Bulletin of Duke University

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2023-2024
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Robotics and Automation Certificate

Science and the Public Certificate

Sustainability Engagement Certificate

Duke Kunshan University Dual-Degree Program

All Courses
About the University Bulletins

The Office of the University Registrar is responsible for compiling, producing, and maintaining the bulletin for each school at Duke University. The content for the bulletins is established by the schools in conjunction with the Duke University Bulletins Policy.

The information in this bulletin applies to the academic year 2023-2024 and is accurate and current, to the greatest extent possible, as of August 2023. All bulletins are published online and serve as static documents for historical records of the university. The university reserves the right to change programs of study, academic requirements, teaching staff, the calendar, and other matters described herein without prior notice, in accordance with established procedures.

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About Duke University

Mission Statement

Approved by the Duke University Board of Trustees October 1, 1994, and revised February 23, 2001, the Mission Statement for Duke University reads as follows:

"James B. Duke’s founding Indenture of Duke University directed the members of the University to ‘provide real leadership in the educational world’ by choosing individuals of ‘outstanding character, ability, and vision’ to serve as its officers, trustees and faculty; by carefully selecting students of ‘character, determination and application;’ and by pursuing those areas of teaching and scholarship that would ‘most help to develop our resources, increase our wisdom, and promote human happiness.’

"To these ends, the mission of Duke University is to provide a superior liberal education to undergraduate students, attending not only to their intellectual growth but also to their development as adults committed to high ethical standards and full participation as leaders in their communities; to prepare future members of the learned professions for lives of skilled and ethical service by providing excellent graduate and professional education; to advance the frontiers of knowledge and contribute boldly to the international community of scholarship; to promote an intellectual environment built on a commitment to free and open inquiry; to help those who suffer, cure disease, and promote health, through sophisticated medical research and thoughtful patient care; to provide wide-ranging educational opportunities, on and beyond our campuses, for traditional students, active professionals and life-long learners using the power of information technologies; and to promote a deep appreciation for the range of human difference and potential, a sense of the obligations and rewards of citizenship, and a commitment to learning, freedom and truth.

"By pursuing these objectives with vision and integrity, Duke University seeks to engage the mind, elevate the spirit, and stimulate the best effort of all who are associated with the University; to contribute in diverse ways to the local community, the state, the nation and the world; and to attain and maintain a place of real leadership in all that we do."

Duke University: A Brief Narrative History

Duke University traces its origins to a small school that opened in 1838 in Randolph County, North Carolina. Originally a preparatory school for young men called the Union Institute Academy, it was then chartered as a teaching college named Normal College by the state of North Carolina in 1851. The school underwent another transformation in 1859 when it turned to the Methodist Church for financial support. Reflecting the new partnership, the school’s name changed to Trinity College.

From 1842 to 1882, Braxton Craven served as the principal and then president of the institution, overseeing its transition from a tiny schoolhouse to a full-fledged college. Shortly before his death, he helped to establish the Cherokee Industrial School at Trinity College, one of numerous schools established in the United States to “westernize” indigenous students, in this case boys and young men from the Eastern Band of the Cherokee. The
Duke University

School at Trinity lasted only a few years. It is worth noting that Craven enslaved several Black people prior to the Civil War, and that a number of other faculty and trustees were also enslavers.

John F. Crowell, Trinity College's president from 1887-1894, suggested that moving the college to an urban setting would attract more students, faculty, and financial support. With Crowell's encouragement, the trustees agreed to move the college, and after a spirited competition among regional cities, Trinity opened in Durham in 1892. Local tobacco magnates Washington Duke and Julian S. Carr assisted in providing land and money to Trinity. In 1897, at Washington Duke's request, the school began admitting women as regular students, making it an early co-educational institution. Carr's support for Trinity College was recognized with a building named in his honor in 1930. His name was removed in 2018 in light of his virulent white supremacist beliefs and actions.

Trinity prospered in its new location, and in 1924 the school was again transformed through philanthropy. Washington Duke's son James Buchanan Duke established the Duke Endowment, and the charitable foundation infused the college with funds. The trustees changed Trinity College's name to Duke University as a memorial to his father. The new funds supported the construction of a new campus, designed in a Gothic style by the Philadelphia architectural firm of Horace Trumbauer. The chief designer of West Campus, as well as the re-envisioned East Campus, was Julian Abele, a Black architect whose role in creating the architecture of Duke University was largely overlooked during his lifetime. In 2016, the main quad on West Campus was renamed Abele Quad in his honor.

President William P. Few (1910-1940) oversaw this metamorphosis of a small college into a complex university. In 1930, the Trinity College site (today's East Campus) became the Woman's College, while the West Campus served as the grounds for the all-male Trinity College. In 1972, Trinity College merged both colleges of men and women into what is now known as Trinity College of Arts and Sciences. Other schools include the School of Religion and Graduate School founded in 1926, the School of Medicine and hospital in 1930, and the School of Nursing in 1931. Originally established in 1904, the Law School reorganized in 1930. In 1938, what is today's Nicholas School of the Environment opened, and in 1939 the university formed what is now known as the Pratt School of Engineering. The last of James B. Duke's desires for the university was fulfilled when what is now the Fuqua School of Business, opened in 1969. The Sanford School of Public Policy became Duke's tenth school in 2005. The school was named for President Terry Sanford, formerly the governor of North Carolina, who supported a number of initiatives in the 1970s and 1980s to build Duke's reputation for excellence, growing the university's national and international profile.

Long a segregated institution, Duke first admitted Black graduate and professional students in 1961 and Black undergraduates in 1963. In 1968, a major student protest known as the Vigil demanded pay increases and better treatment of hourly workers, most of whom were Black. In 1969, Black students protested in what is now known as the Allen Building Takeover, demanding improved services and treatment for Black students. The protest resulted in the formation of what is now called the Department of African and African American Studies.

Faculty at Duke produce influential scholarship across a wide range of disciplines and professions. Two Duke faculty members have received the Nobel Prize in Chemistry: Professor Robert Lefkowitz in 2012 and Professor Paul Modrich in 2015. Duke researchers have mapped the human chromosome and led research into the treatment of HIV and AIDS. Duke faculty also research pressing social issues, producing high-impact scholarship on such topics as election districting and public health. Faculty authors have written books of award-winning nonfiction, fiction, and poetry, and have won awards ranging from the National Book Award to the Pulitzer Prize. Fifty Duke faculty are members of the American Academy of Arts and Sciences. Duke students have many opportunities to work with leading faculty in labs and on projects, ensuring hands-on experience during their course of study.

Duke has a number of notable athletic achievements. Best known is the men's basketball team, coached by Mike Krzyzewski from 1980 to 2022. The team has earned 5 national championships. The women's golf team holds the record at Duke for most national championships, at 7. Duke football has been played since the 1880s, when President Crowell coached the team himself. During the 1930s and 1940s, the football team competed in and won a number of bowl games, earning the nickname "Iron Dukes." The Rose Bowl game of 1942 was played in Durham due to wartime concerns on the West Coast and remains the only Rose Bowl played outside of Pasadena, California.

International programs have expanded over the last several decades, bringing international students to Duke in Durham and expanding international opportunities for Duke students. In 2005, Duke partnered with the National University of Singapore and opened the Duke-NUS Medical School. In 2014, graduate programs at Duke Kunshan University began, followed by undergraduate programs in 2018. DKU is a partnership between Duke and Wuhan University in Kunshan, China.

The university has changed in many ways since its founding, and like other historically white schools it continues to confront issues of racism, sexism, and other inclusion and equity challenges. Students of color and international students now represent more than 50% of the student body. Duke's hometown of Durham has also grown and changed, and Duke and Durham collaborate on topics ranging from community service to downtown development.

Ever evolving, Duke University strives to meet the stated aims of the university: "to foster a lively relationship between knowledge and faith; to advance learning in all lines of truth; to defend scholarship against all false notions and ideals; to develop a love of freedom and truth; to promote a respectful spirit of dialogue and understanding; to discourage all partisan and sectarian strife; and to further the advancement of knowledge in service to society."

Duke University Leadership

Full leadership profiles for those listed below are available at duke.edu/about/leadership.

Executive Leadership
Duke University

Vincent Price, President | president.duke.edu
Daniel Ennis, Executive Vice President
Jennifer Francis, Interim Provost
A. Eugene Washington, Chancellor for Health Affairs, Duke University, President and CEO, DUHS

Academic Leadership
Deans of Schools and Colleges
Kerry Abrams, James B. Duke and Benjamin N. Duke Dean of the School of Law
Suzanne Barbour, Dean, Graduate School
Gary Bennett, Dean, Trinity College of Arts and Sciences
William Boulding, Dean, Fuqua School of Business
Edgardo Colón-Emeric, Dean, Divinity School
Vincent Guillamo-Ramos, Dean, School of Nursing and Vice Chancellor for Nursing Affairs
Judith Kelley, Dean, Sanford School of Public Policy
Mary E. Klotman, Dean, School of Medicine
Jerome P. Lynch, Dean, Pratt School of Engineering
Toddi Steelman, Stanback Dean, Nicholas School of the Environment

Vice Provosts
Edward Balleisen, Vice Provost for Interdisciplinary Studies
Abbas Benmamoun, Vice Provost for Faculty Advancement
John Brown, Vice Provost for the Arts
Yakut Gazi, Vice Provost for Learning Innovation and Digital Education
Mohamed Noor, Interim Vice Provost for Academic Affairs
Mary Pat McMahon, Vice Provost/Vice President of Student Affairs
Amy Oates, Interim Vice Provost for Finance & Administration
Noah Pickus, Associate Provost
Joseph Salem, Rita DiGalianoaldo Holloway University Librarian and Vice Provost for Library Affairs
Candis Watts Smith, Interim Vice Provost for Undergraduate Education

University Administration
Pamela J. Bernard, Vice President and General Counsel
Maggie Epps, Secretary to the Board of Trustees and Chief of Staff to the President
Tracy Futhey, Vice President for Information Technology and Chief Information Officer
Leigh P. Goller, Chief Audit, Risk and Compliance Officer
Kimberly Hewitt, Vice President for Institutional Equity and Chief Diversity Officer
David L. Kennedy, Vice President for Alumni Engagement and Development
Nina E. King, Vice President and Director of Athletics
Jennifer Lodge, Vice President for Research & Innovation
Antwan Lofton, Vice President of Human Resources & Chief Human Resources Officer
John J. Noonan, Vice President for Facilities
Rachel Satterfield, Vice President for Finance
Chris Simmons, Interim Vice President for Public Affairs & Government Relations
Russell Thompson, Interim Vice President for Operations
Neal Triplett, President, DUMAC
Stelfanie Williams, Vice President for Durham & Community Affairs

The Faculty
Duke faculty are chosen from among the most competitive selection processes in the country, having demonstrated excellence in their fields of research. Duke currently has two Nobel Laureates among its faculty. Many others hold appointments in the National Academy of Sciences. Their books and publications are numerous and influential.

Duke professors are also excellent teachers. There is an 8-to-1 ratio of students to faculty. Professors are committed to giving students the individual attention that pushes them to excel while nurturing their ideas. Undergraduates, even in their first year, interact with senior faculty on a regular basis in efforts such as the Focus Program, a series of first-year interdisciplinary seminars focused on a theme. In addition, many serve as advisors to students, including those who choose to design their program of study and as mentors to undergraduates who pursue hands-on research.

Profiles of Duke’s faculty members are available via Scholars@Duke.

University Policies

Accreditation
Duke University is accredited by the Southern Association of Colleges and Schools Commission on Colleges (SACSCOC) to award baccalaureate, masters, doctorate, and professional degrees. Contact the Commission on Colleges at 1866 Southern Lane, Decatur, Georgia 30033-4097 or call (404) 679-4500 for questions about the accreditation of Duke University.

Clery Act
Information that the university is required to make available under the federal Clery Act is available by visiting the Records Division, Duke University Police Department, 502 Oregon Street, Durham, NC 27708, or by calling (919) 684-4602. See police.duke.edu/news-stats/clery for more details.

Duke’s Commitment to Diversity and Inclusion
Duke aspires to create a community built on collaboration, innovation, creativity, and belonging. Our collective success depends on the robust exchange of ideas—an exchange that is best when the rich diversity of our perspectives, backgrounds, and experiences flourishes. To achieve this exchange, it is essential that all members of the community feel secure and welcome, that the contributions of all individuals are respected, and that all voices are heard. All members of our community have a responsibility to uphold these values.

Excellence, Diversity, and Inclusion: A statement by the faculty, Provost, and President
To achieve our mission and meet the needs of a rapidly changing world, Duke strives to create a climate of collaboration, creativity, and innovation within and across disciplines. Our success depends upon the robust exchange of ideas—an exchange that flourishes best when the rich diversity of human knowledge, perspectives, and experiences is heard. We nonetheless acknowledge that our policies and practices have often failed to ensure equality of participation within our community. Our renewed commitment and responsibility to one another is articulated in the following statement.

Duke University Community Commitment
Because diversity is essential to fulfilling the university’s mission, Duke is committed to building an inclusive and diverse university community. Every student, faculty, and staff member—whatever their race, gender, age, ethnicity, cultural heritage or nationality; religious or political beliefs; sexual orientation or gender identity; or socioeconomic, veteran or ability status—has the right to inclusion, respect, agency and voice in the Duke community. Further, all members of the University community have a responsibility to uphold these values and actively foster full participation in university life.

Duke Community Standard
Duke University is a community dedicated to scholarship, leadership, and service and to the principles of honesty, fairness, respect, and accountability. Citizens of this community commit to reflect upon and uphold these principles in all academic and nonacademic endeavors, and to protect and promote a culture of integrity.

To uphold the Duke Community Standard:
- I will not lie, cheat, or steal in my academic endeavors;
- I will conduct myself honorably in all my endeavors; and
- I will act if the Standard is compromised.

Students’ Obligation to Act with Respect to the Duke Community Standard
The Duke Community Standard (DCS) stresses the commitment that students share with all members of the community to enhance the climate for honesty, fairness, respect, and accountability at Duke University. Students affirm their commitment to foster this climate by signing a pledge that includes taking constructive action if they witness or know about behavior they perceive to be inconsistent with the DCS, which may include violation of university policies. Although there are no disciplinary sanctions associated with the failure to act, students are nonetheless expected to take action to do something as a responsibility of membership in the Duke community.
The university recognizes that it is not always easy to act in these situations, but several alternatives are available to suit a student's level of comfort and confidence. These alternatives are not mutually exclusive.

- Speaking directly with the individual exhibiting the behavior, both to gain clarity about the situation and to inform the individual about the concern.
- Publicly calling attention to the behavior as it is occurring.
- For incidents involving social behaviors, alerting residence hall, Student Affairs, or other university staff. The information provided will give staff an opportunity to address the matter informally or through appropriate formal channels.
- For cases involving academic integrity, alerting the instructor that cheating may be occurring in the course. This alert can be in any form, including anonymous notification, and the reporting student will not be identified. The information provided will allow the faculty member to consider corrective measures, in consultation with the Office of Student Conduct and Community Standards, and to address the topic with the class or suspected student(s).
- Directly alerting staff in the Office of Student Conduct and Community Standards at (919) 684-6938 or conduct@duke.edu, who will confer with the faculty member involved, if an academic issue, or with the reporting student(s), strategizing next steps. Maintaining the confidentiality of the source is possible, but may limit the extent of action that can be taken.


Family Educational Rights & Privacy Act (FERPA)

The Family Educational Rights & Privacy Act (FERPA), 20 U.S.C § 1232g; 34 CFR Part 99, is a federal law that guides the release of students’ education records, of which disciplinary records are a part.

Duke University adheres to a policy of compliance with the Family Educational Rights and Privacy Act. The policy (1) permits students to inspect their education records, (2) limits disclosure to others of personally identifiable information from education records without students’ prior written consent, and (3) provides students the opportunity to seek correction of their education records where appropriate.

For additional information about FERPA, see ed.gov/policy/gen/guid/fpco/ferpa/index.html. For Duke’s full FERPA policy, visit registrar.duke.edu/student-resources/family-educational-rights-and-privacy-act-ferpa.

Nondiscrimination Statement

Duke is committed to encouraging and sustaining a learning and work community that is free from prohibited discrimination and harassment. The institution prohibits discrimination on the basis of age, color, disability, gender, gender identity, gender expression, genetic information, national origin, race, religion, sex, sexual orientation, or veteran status, in the administration of its educational policies, admission policies, financial aid, employment, or any other institution program or activity. It admits qualified students to all the rights, privileges, programs, and activities generally accorded or made available to students.

Sexual harassment and sexual misconduct are forms of sex discrimination and prohibited by the institution. Duke has designated the Vice President for Institutional Equity and Chief Diversity Officer as the individual responsible for the coordination and administration of its nondiscrimination and harassment policies. The Office for Institutional Equity is located in Smith Warehouse, 114 S. Buchanan Blvd., Bay 8, Durham, North Carolina 27708, and can be contacted at (919) 684-8222.

Questions or comments about harassment or discrimination can be directed to one of the following administrators in the Office for Institutional Equity.

Discrimination in employment or educational programs and activities:

Cynthia Clinton, AVP Harassment and Discrimination Prevention and Compliance
Title IX Coordinator
Office for Institutional Equity
114 S. Buchanan Blvd., Bay 8
Durham, NC 27708
(919) 684-8222

Sex discrimination in educational programs or activities:

Adrienne Allison, Deputy Title IX Coordinator for Students, Compliance Investigator
Office for Institutional Equity
114 S. Buchanan Blvd., Bay 8
Durham, NC 27708
(919) 684-8222

Additional information, including the complete text of Duke’s Policy on Prohibiting Discrimination, Harassment and Related Misconduct and appropriate complaint procedures, may be found here. For further information visit the U.S. Department of Education Office for Civil Rights, or call 1-800-421-3481.
University Resources, Campus Life & Activities

Agreements with other Universities

Neighboring Universities (Interinstitutional Agreement)

Under a plan of cooperation—the interinstitutional agreement among Duke University and The University of North Carolina at Chapel Hill, North Carolina State University, North Carolina Central University, The University of North Carolina at Charlotte, and The University of North Carolina at Greensboro—a student regularly enrolled in Duke University as a degree-seeking student and paying full fees may enroll for one approved course each semester at one of the institutions in the cooperative program unless an equivalent course is offered at Duke in the same academic term. Under the same conditions, one interinstitutional course per summer may be taken at a neighboring institution participating in this agreement provided that the student is concurrently enrolled at Duke for one full course credit. This agreement does not apply to contract programs such as the American Dance Festival or to study abroad programs.

Approval forms for courses to be taken at these neighboring institutions may be obtained from the offices of the academic deans and the university registrar. Forms are also available online at the Office of the University Registrar website (registrar.duke.edu), in the Registration section. Only those courses not offered at Duke will be approved. Approval must be obtained at Duke from the director of undergraduate studies of the subject of the course and the student's academic dean. Credit so earned is not defined as transfer credit since grades in courses taken under the interinstitutional agreement are entered on the official record and used in determining the grade point average. The courses may be eligible for Areas of Knowledge and Modes of Inquiry coding. The student pays any special fees required of students at the host institution.

Courses taken at The University of North Carolina at Chapel Hill by Duke students in the Robertson Scholarship Program (a joint scholarship program for students at Duke and The University of North Carolina at Chapel Hill) are interinstitutional courses. However, the restriction on the number of courses and the kind of courses (i.e., those not offered at Duke) permitted does not always apply. Robertson Scholars should refer to program materials for specific regulations.

Domestic Exchange Programs

Trinity College has exchange programs with two domestic institutions: Howard University in Washington, DC, and Spelman College in Atlanta, Georgia. Duke students may study for a semester at either institution, while students from these institutions enroll for the same period at Duke. Students may enroll in a wide variety of courses at either Howard University or Spelman College for which they will receive transfer credit at Duke. Transfer credits earned under this exchange program do not count against the maximum allowable domestic or study abroad transfer credits. For more information about these programs, visit 011 Allen.

Career Center

The Career Center, working in partnership with faculty and colleagues, provides career advising to all Duke undergraduates, graduate students, and alumni. Recognizing the unique talents and needs of each individual, the Career Center encourages students to make the most of their Duke experience by accessing relevant campus resources, developing career interests and values, and establishing and maintaining important human relationships with their peers as well as Duke faculty, staff, and alumni. The Career Center works to build and maintain relationships with alumni and employers who can provide internships and learning opportunities, entry-level positions, and opportunities for experienced professionals. For more information, visit careerhub.students.duke.edu.

Continuing Studies

Academic Study

Admission to the Continuing Studies Program is discretionary. For consideration for admission, applicants to the Continuing Studies Program must meet at least one of the following two criteria.

- Earned bachelor's degree from a college or university accredited by a national or regional accrediting body recognized by the Department of Education.
- Age 25 or older, and intend to initiate or complete academic study in a Duke University academic program.

Students are given academic counseling by the Office of Continuing Studies and Summer Session, and are subject to the regulations set forth for degree candidates, unless explicitly noted otherwise. A junior or senior who is currently enrolled at an external college or university who wishes to pursue an academic discipline unique to Duke University, may apply through the Office of Continuing Studies for admission as a nondegree, full-time visiting student for one or two semesters. Students with unique circumstances should contact the Office of Continuing Studies.

Minimum GPA Requirement. Successful applicants are expected to have earned a minimum 3.0 GPA in their most recent program.

Applicants who fail to meet the minimum GPA requirement, are subject to additional review and may be admitted on a provisional basis. As part of the additional review, the following will be taken under consideration:

- the applicant has not been enrolled as a full-time student in the last 4 years, and
- the applicant demonstrates the ability to successfully complete college level coursework by earning a passing grade (B or better) in a minimum of 4 courses during the last 2 years.
As part of a provisional admission, a student must earn a minimum 3.0 GPA in the semester immediately following the provisional admission.

Withdrawal. If a student enrolled in a Duke University program withdraws from the program, or is no longer in good academic standing, they must wait two academic terms before re-applying to any Duke program, including Continuing Studies (see the Satisfactory Continuation Requirements outlined on page 51 of the Bulletin of Undergraduate Instruction).

Semester Continuation Requirements. Semester continuation requires that you earn a passing grade (C or better) in a minimum number of courses to remain in good standing. Students who receive at least one failing grade (D, D-, F) are subject to academic probation or academic dismissal.

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<td>• Earned D or D-in at least one course</td>
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<th>Academic Dismissal</th>
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<td>• Earned F in one course, and C or better in at least two courses</td>
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Students placed on academic probation must acknowledge their probationary status in writing to the academic dean for Continuing Studies students, in order to continue into the next academic term. They are also expected to seek assistance from campus resources and have their course selection approved by their academic dean. In the probationary term they must earn grades of C or better in all courses to continue. Students who withdraw from all courses must wait two semesters to submit a request to return to study.

Program and application information is available from Duke Continuing Studies. Application deadlines: August 1 for the fall semester, December 1 for the spring semester, April 15 for Term 1 of the summer session, and June 1 for Term 2 of the summer session.

Certificate Programs
Professional certificate programs offered include human resource management, management accounting, digital media and marketing, big data and data science, technical communications, business communications, business ethics, paralegal studies, financial planning, event development, Six Sigma Green Belt, entrepreneurship, supply side management, sustainable management, online learning, finance essentials, legal nurse consulting, and others.

Nonprofit Management Program
Students interested in the nonprofit sector or in community development are invited to explore the noncredit course offerings of this program. Taught by experts and practitioners, these short courses offer instruction concerning financial and resource management, management of personnel and volunteers, leadership development, fundraising, planning and evaluation, board development/governance, and media relations.

Osher Lifelong Learning Institute (OLLI) at Duke
OLLI at Duke began in 1977 as the Duke Institute for Learning in Retirement. Since 2004 the membership organization has been a member of the Osher Lifelong Learning Network, a group of more than 120 institutes across the country dedicated to meeting the needs of older learners and extending the demographic served by traditional universities. OLLI sponsors noncredit course offerings in the fall, winter, and spring as well as fall and spring retreats, language tables, reading groups, film and lecture series, and volunteer opportunities.

Duke Youth Programs
For more than thirty-five years, Duke Youth Programs has offered academic enrichment opportunities for middle and high school students in the summer. Current offerings range from camps in biosciences and engineering, forensic science, game design, drones, math, cryptography, neurosciences, creative writing, SAT preparation, video production, and a college admissions boot camp.

For more information, call the Office of Continuing Studies and Summer Session at (919) 684-6259, or visit learnmore.duke.edu.

Institutes, Initiatives & Centers

University Institutes

• **Bass Connections** bridges the classroom and the world beyond the university, giving students from all of Duke’s schools a chance to tackle complex societal problems alongside our superb faculty. For more information, visit bassconnections.duke.edu.

• **The Duke Global Health Institute (DGHI)** brings together knowledge and resources from across the university to address the most important global health issues of our time. DGHI faculty, staff and students are engaged in research and educational projects in more than 40 countries, including the United States. For more information, visit globalhealth.duke.edu.

• **The Duke Institute for Brain Sciences (DIBS)** provides a vibrant hub for all who share our vision of making neuroscience greater than the sum of its parts by integrating schools, disciplines, analysis and education to accelerate breakthroughs and benefit society. For more information, visit dibs.duke.edu.

• **The John Hope Franklin Humanities Institute (FHI)** is built on a fundamentally collaborative model befitting the Duke University emphasis on knowledge in the service of society. Through interdisciplinary cross-fertilization, we seek to encourage the conversations, partnerships, and collaborations that continually stimulate creative and fresh humanistic research, writing, teaching, and practice at Duke. For more information, visit fhi.duke.edu.
Duke University

- The Kenan Institute for Ethics is an interdisciplinary think tank committed to promoting moral reflection and commitment, conducting interdisciplinary research, and shaping policy and practice at Duke and beyond. For more information, visit kenan.ethics.duke.edu.

- The Nicholas Institute for Energy, Environment & Sustainability advances the University's mission to build a more sustainable world by developing transformative educational experiences; galvanizing and conducting impactful research; and engaging with key decision makers at the global, national, state, and local levels. For more information, visit nicholasinstitute.duke.edu.

- The Social Science Research Institute (SSRI) brings together researchers with interests in problems that cross the various social and behavioral sciences, including problems that connect with the humanities and natural sciences. For more information, visit ssri.duke.edu.

Initiatives

- The Duke Initiative for Science & Society ("Science & Society") fosters research, education, communication, democratic deliberation, and policy engagement on the ethical progress of science and technology in society. For more information, visit scienceandsociety.duke.edu.

- Innovation & Entrepreneurship Initiative (I&E) believes Duke students benefit from learning about innovation and entrepreneurship—from those who wish to found a company, to those who want to change the world with innovation, to those who simply want to cultivate a more creative and entrepreneurial mindset. I&E partners with schools and departments across Duke to offer interdisciplinary, experience-based education. For more information, visit entrepreneurship.duke.edu.

- MEDx (Medicine + Engineering at Duke) was forged in 2015 to enhance existing ties and foster new interdisciplinary collaborations between the School of Medicine and Pratt School of Engineering. An initiative rather than an institute, MEDx is structured to enhance existing ties and encourage new collaborations among faculty from both schools as well as other schools, institutes and initiatives at Duke. For more information, visit medx.duke.edu.

- The Rhodes Information Initiative at Duke (iiD) is an interdisciplinary program designed to increase "big data" computational research and expand opportunities for student engagement in this rapidly growing field. For more information, visit bigdata.duke.edu.

Centers

- The Center for Documentary Studies (CDS) offers an interdisciplinary program in the documentary arts—photography, audio, film/video, narrative writing, new media, and other means of creative expression—that emphasizes active engagement in the world beyond the university campus. For more information, visit documentarystudies.duke.edu.

- The Dewitt Wallace Center for Media and Democracy (DWC) is Duke University's hub for the study of journalism. DWC studies the interaction between news media and policy, supports watchdog and accountability reporting in the United States and around the world, and teaches about the media's role in democracy. The center is part of the Sanford School of Public Policy, and shares in the Sanford School's mission of teaching, research, and policy engagement, with the goal of putting knowledge in service to society. For more information, visit dewittsanford.duke.edu.

- Duke Civic Engagement (DCE) strengthens and connects the ways in which Duke partners with communities. DCE supports Duke's collaborations on pressing social challenges by increasing the capacity of the campus to sustain partnerships and sharing best practices in community engagement. For more information, visit civic.duke.edu.

- The Duke University Center for International and Global Studies (DUCIGS) grounds its research, teaching, and programming on the deep, region and culture-specific knowledge and experience of its organizational units while exploring global topics, pursuing interdisciplinary and cross-regional collaboration, and welcoming new approaches within areas studies and global studies. DUCIGS is home to various international area studies centers, councils, and initiatives. Visit the DUCIGS website at igs.duke.edu to learn more about the many centers and initiatives it houses.

- DukeEngage provides fully-funded opportunities that enable students and faculty to collaborate with organizations across the globe to address critical societal needs through an immersive summer of civic engagement. For more information, visit dukeengage.duke.edu.

- The Margolis Center for Health Policy catalyzes Duke University's leading capabilities including interdisciplinary academic research and capacity for education and engagement, to inform policy making and implementation for better health and health care. The Center has offices and staff on Duke University's campus in Durham, North Carolina and at the Duke in DC offices in the heart of the nation's capital. For more information, visit healthpolicy.duke.edu.

Libraries & Technology

Duke University Libraries

The Duke University Libraries are the shared center of the university's intellectual life. The William R. Perkins Library, Bostock Library and Rubenstein Rare Book & Manuscript Library comprise the main West Campus library complex, which is joined by Lilly and Music libraries on East Campus, the Pearse Memorial Library at the Duke Marine Lab and the separately administered libraries serving the schools of Business, Divinity, Law and Medicine. Together they form one of the nation's top ten private university library systems.

All Libraries
- Perkins & Bostock Libraries (library.duke.edu)
The Student Disability Access Office (SDAO) recognizes disability as an aspect of diversity that is integral to society and to our campus community. Accessibility is an essential feature of the Duke campus, and we strive to create an inclusive community for our students. We strive to ensure that students with disabilities are provided the tools they need to fully access all aspects of student life inside and outside of the classroom.

Core Functions of SDAO

- Partner with students with disabilities to establish services for their access and inclusion on campus
- Manage, coordinate, implement and evaluate accommodation/service programs
- Serve as a resource to students/faculty/staff to ensure effective provision of services
- Provide educational and resource support to the campus community to increase awareness regarding how to create and sustain access and inclusion for students with disabilities in all aspects of the university
- Provide resource and referral information to the campus community and prospective student and their families

SDAO works with each student individually to establish academic adjustments and auxiliary aids and services, more frequently referred to as academic accommodations for the purpose of eliminating the environmental barriers impacting the student's equitable access to the campus facilities, programs and activities. To find out more information about how to establish services with SDAO you can contact us in the following ways.

In order to receive consideration for reasonable accommodations under Section 504 of the Rehabilitation Act of 1973, the Americans with Disabilities Act of 1990 (ADA), and the ADA Amendments Act of 2008, a student must have a physical or mental impairment that substantially limits one or more major life activities. Students requesting accommodations under the provisions of the ADA, ADA Amendments Act of 2008, and Section 504 of the Rehabilitation Act of 1973 (e.g., academic, accessibility, housing) must contact the Student Disability Access Office to explore possible coverage. Students with medical conditions not covered under the provisions of the ADA and the ADA Amendments Act may wish to contact Duke Student Health Service. Additional information and requests for accommodations may be found on the SDAO website.

For more information, visit access.duke.edu/students.

Housing, Dining, & Transportation

Housing and Residence Life (HRL)

Undergraduate Housing. Housing, Dining and Residence Life manages all aspects of the university's three-year undergraduate residency requirement. Residential programs are designed to build positive communities that value learning, create new opportunities for faculty engagement, and generate positive social connections. HRL, student residents and others in the Duke community develop and maintain environments that support classroom learning and encourage students to seek learning opportunities in the world around them. HRL promotes opportunities for students to connect with others and develop a strong and enduring sense of belonging; and intentionally provide opportunities for students to grow and develop as they continue to negotiate developmental issues related to identity, autonomy, and responsibility. HRL programs are rooted in the concepts of mutual respect and civility, and recognize and celebrate the dignity and self-worth of all members. For more information, visit studentaffairs.duke.edu/hlrl.

Graduate and Professional Student Apartments. Limited on-campus housing is available to full-time graduate students. For more information on graduate student housing application timeline and facility amenities, visit students.duke.edu/living/housing/graduate-professional-housing. Assignments are made in the order of receipt of completed applications.
Off-Campus Housing. The Duke Community Housing Office maintains a listing of rental apartments, rooms, and houses provided by property owners or real estate agencies in Durham at durhamgradhousing.com.

Duke Housing and Residence Life (HRL) operates a website specifically to simplify the off-campus housing search for students, parents, faculty and staff, and for area property owners and managers at nearduke.com/housing.

Duke Dining. Duke is home to one of the most innovative, dynamic, and cutting edge collegiate dining programs in the country, with access to over 50 dining locations that include 33 on-campus locations, Merchants-on-Points (off-campus restaurants that deliver), and food trucks. Find more information at students.duke.edu/living/dining.

DukeCard

All Duke students are issued electronic Duke University identification cards through their mobile devices. This identification should be carried at all times. DukeCards are the means of identification for library privileges, athletic events, and other university functions or services open to them as university students. Students will be expected to present their cards on request to any university official or employee. DukeCards are not transferable and fraudulent use may result in loss of student privileges or suspension. For more information, visit dukecard.duke.edu.

Parking & Transportation

Duke Parking & Transportation provides the Duke community with parking options that balance price and convenience while managing supply and demand across the parking system. A valid permit is required in all locations; most locations are gated and the permit activates the entry and exit gates. Visitors who do not have a permit pay by the hour in facilities specially set aside for them. Accommodations are also available for patrons that require accessible parking or transportation.

Options include annual permits and short-term permits that allow for flexible or occasional parking. Anyone affiliated with Duke is eligible to purchase on-campus parking in available locations. There are also many transportation options available at Duke, including Duke Transit (buses), vans, city and regional buses, private taxi service, and a ride-hailing program. For more information, visit parking.duke.edu.

Student Affairs & Organizations

The Division of Student Affairs is critically engaged in supporting the holistic engagement and personal growth of all students who attend Duke. The Division collaborates with student leaders, faculty, families, community members and many others in the delivery of key services.

Its programs and services are designed to support holistic wellbeing, foster an inclusive and dynamic community, and complement Duke’s commitment to academic excellence. For more information, visit studentaffairs.duke.edu.

The Student Affairs Identity and Cultural Centers also serve as important resources and places of connection and support for many of our students. The centers are offering programming and support throughout the year, including summer. ICCs include:

- Center for Multicultural Affairs
- Center for Muslim Life
- Center for Sexual and Gender Diversity
- Duke International Student Center
- Jewish Life at Duke
- Mary Lou Williams Center for Black Culture
- Women’s Center

Graduate and Professional Student Government

The Graduate and Professional Student Government of Duke University (GPSG) is the umbrella student government organization for Duke’s nine graduate and professional schools. Its purpose is to: represent and advocate on behalf of graduate and professional students at Duke University; serve as a liaison among the student governments of the graduate and professional schools of the University; serve as a liaison between graduate and professional students and the University Administration; nominate graduate and professional student representatives to University committees; program events of interest to the graduate and professional student community; and financially support the programming of graduate and professional student groups.

Visit the GPSG website at gpsg.duke.edu. Contact GPSG (gpsgexec@duke.edu) for additional details on how students can become involved.

The Black Graduate and Professional Student Association

The Black Graduate and Professional Student Association (BGPSA) represents all minority graduate and professional students on the Duke University campus. The association’s primary mission is to enhance the Duke experience for its members through community service, social, and academically based programming events. As an umbrella organization, the association welcomes students from groups including the Black & Latino MBA Organization, Black Law Students Association, Black Seminarians Union, Bouchet Society, Hurston-James Society, and Student National Medical Association. Through its academic forums, luncheons, community service initiatives, social events, and recognition ceremony the group hopes to assist in the development of future minority leadership in the Duke community and in the world.

Religious Life
In partnership with the Division of Student Affairs, the Chapel convenes, supports, and advocates for all of the officially recognized Religious Life groups on campus that serve students, including Buddhist, Catholic, Hindu, Jewish, Latter-Day Saints, Muslim, Orthodox, and Protestant organizations and groups. There are about two dozen Religious Life groups at Duke; find a listing of them at chapel.duke.edu/religiouslife.

With a mission of “bridging faith and learning,” the Chapel holds ceremonies, concerts, Christian worship services, and more. It is a sanctuary open to all people for important personal moments of prayer, reflection, grief, and gratitude. The Chapel’s Student Ministries provides opportunities for undergraduate students to hear and respond to God’s call for their lives on campus, in Durham, and beyond through study, artistic expression, counsel, service, and community. Learn more at chapel.duke.edu.

Intercollegiate Athletics
The Athletic Department fosters intercollegiate athletics by striving for excellence and by providing the best possible framework within which highly accomplished student-athletes can compete. The department has a dual responsibility to provide a high-quality athletic program and environment so that all students have the opportunity to compete to the fullest extent of their abilities. Duke is a member of the National Collegiate Athletic Association (NCAA) and the Atlantic Coast Conference (ACC).

Student Health & Safety

Campus Police
It is the mission of the Duke University Police Department to protect and serve the people and property of Duke. We are guardians of a community of world class education, research and healthcare and must prevent violence, reduce fear, and build relationships. For more information, visit police.duke.edu.

Counseling & Psychological Services (CAPS)
CAPS helps Duke students enhance their strengths and learn to cope with the trials of living, growing, and learning. CAPS offers many services to Duke undergraduate, graduate, and professional students, including brief individual counseling/psychotherapy, consultation, couples and group counseling, and assistance with referrals. CAPS’ staff also provide outreach education programs to student communities, promoting an empathic and supportive culture. Staff members are available for consultation with faculty concerning students or other matters relating to mental health in the university community. The CAPS staff includes psychologists, clinical social workers, and psychiatrists experienced in working with college-age adults. CAPS’ staff carefully adhere to professional standards of ethics, privacy, and confidentiality. For more information, visit studentaffairs.duke.edu/caps.

DukeReach
DukeReach provides direct case management services including interventions, advocacy, referrals and follow-up services for students who are experiencing significant difficulties related to mental health, physical health, and/or psycho-social adjustment. The Assistant and Associate Deans in DukeReach coordinate student services and provide connections with campus departments as well as outside agencies and providers. For more information, visit studentaffairs.duke.edu/dukereach.

DuWell
DuWell works to enhance the educational experience for Duke students by addressing substance use and abuse issues and promoting healthy physical, emotional and social development, including issues related to sexual health. It offers one-on-one screening (for substance use) and health coaching, workshops and trainings on the different topic areas of wellness (including Social Host Education, Stress and Sexual Health workshops) and programs for student groups upon request. Consultation on prevention of high-risk behavior and promotion of wellness is available to students, faculty, professionals and staff. DuWell is dedicated to fostering a living/learning environment on campus and within the surrounding community that encourages the full development of the individual as an engaged member of the community. For more information, visit studentaffairs.duke.edu/duwell.

Student Health
Student Health Services at Duke University is jointly supported by the Division of Student Affairs and the Department of Pediatrics. The Duke Student Health Center is the primary source for a wide range of healthcare services, many of which are covered by the Student Health Fee. Its mission is to provide evidence-based, patient-centered health care to the Duke student community in a professional and compassionate manner that directly contributes to the student’s well-being and overall success. For more information, visit studentaffairs.duke.edu/studenthealth.

Academic Calendar

<table>
<thead>
<tr>
<th>SUMMER 2023</th>
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<tbody>
<tr>
<td>February</td>
</tr>
<tr>
<td>February 20 (M) Registration begins for all summer sessions</td>
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<tr>
<td><strong>SUMMER 2023</strong></td>
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<tr>
<td><strong>May</strong></td>
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<tr>
<td>May 17 (W) Term 1 classes begin (Monday class schedule is followed on this day)</td>
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<tr>
<td>May 19 (F) Drop/Add for Term 1 ends</td>
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<tr>
<td>May 29 (M) Memorial Day holiday. No classes</td>
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<tr>
<td><strong>July</strong></td>
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<tr>
<td>July 3 (M) Term 2 classes begin</td>
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<tr>
<td>July 4 (Tu) Independence Day holiday. No classes</td>
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<tr>
<td>July 6 (Th) Drop/Add for Term 2 ends</td>
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<tr>
<td>July 31 (M) Last day to withdraw with W from Term 2 classes</td>
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<tr>
<td><strong>September</strong></td>
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<tr>
<td>September 4 (M) Labor Day. No classes</td>
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<tr>
<td>September 8 (F) Drop/Add ends</td>
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<tr>
<td>September 28-October 1 (Th-Su) Founders' Weekend</td>
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<tr>
<td><strong>October</strong></td>
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<tr>
<td>October 1 (Su) Founders' Day</td>
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<tr>
<td>October 14-17 (Sa-Tu) Fall break</td>
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<td>October 23 (M) Shopping carts open for Spring 2024</td>
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<tr>
<td><strong>November</strong></td>
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<tr>
<td>November 1 (W) Registration begins for Spring 2024</td>
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<tr>
<td>November 10 (F) Last day to withdraw with W from fall classes</td>
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<tr>
<td>November 22-26 (W-Su) Thanksgiving recess</td>
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<tr>
<td><strong>December</strong></td>
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<tr>
<td>December 8 (F) Undergraduate classes end</td>
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<tr>
<td>December 9-12 (Sa-Tu) Undergraduate reading period</td>
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<tr>
<td>December 13-18 (W-M) Final exams</td>
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<td><strong>SPRING 2024</strong></td>
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<tr>
<td><strong>January</strong></td>
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<tr>
<td>January 10 (W) Spring semester classes begin (Monday class schedule is followed on this day)</td>
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<tr>
<td>January 15 (M) Martin Luther King Jr. Day holiday. No classes</td>
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<tr>
<td>January 24 (W) Drop/Add ends</td>
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<tr>
<td><strong>February</strong></td>
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<tr>
<td>February 19 (M) Registration begins for Summer 2024</td>
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<tr>
<td><strong>March</strong></td>
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<tr>
<td>March 27 (W) Last day to withdraw with W from spring classes</td>
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</table>
**SUMMER 2023**

**April**
- April 3 (W) Registration begins for Fall 2024
- April 24 (W) Undergraduate classes end
- April 25-28 (Th-Su) Undergraduate reading period
- April 29-May 4 (M-Sa) Final exams

**May**
- May 10 (F) Commencement begins
- May 12 (Su) Graduation exercises; conferring of degrees

**SUMMER 2024**

**February**
- February 19 (M) Registration begins for Summer 2024

**May**
- May 15 (W) Term 1 classes begin
- May 17 (F) Drop/Add for Term 1 ends
- May 27 (M) Memorial Day holiday. No classes

**June**
- June 12 (W) Last day to withdraw with W from Term 1 classes
- June 19 (W) Juneteenth holiday. No classes
- June 24 (M) Term 1 classes end
- June 25 (Tu) Reading period
- June 26-27 (W-Th) Final exams

**July**
- July 1 (M) Term 2 classes begin
- July 3 (W) Drop/Add for Term 2 ends
- July 4 (Th) Independence Day holiday. No classes
- July 29 (M) Last day to withdraw with W from Term 2 classes

**August**
- August 8 (Th) Term 2 classes end
- August 9 (F) Reading period; Final exams begin at 7:00 PM
- August 10-11 (Sa-Su) Final exams

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**Administration**

**Trinity College of Arts and Sciences Academic Leadership**

Gary G. Bennett, PhD, Dean of Trinity College of Arts & Sciences

Martin P. Smith, PhD, Dean of Academic Affairs and Associate Vice Provost for Undergraduate Education

William A. Johnson, PhD, Dean of the Humanities

Jerry Reiter, PhD, Interim Dean of the Natural Sciences

Kerry L. Haynie, PhD, Dean of the Social Sciences

Justin Wright, PhD, Dean of Graduate Education

**Trinity College of Arts & Sciences**

Patrice Barley, JD, Academic Dean

Milton A. Blackmon, EdD, Academic Dean

Dean Bruno, PhD, Academic Dean

Amanda Curtin Soydan, PhD, Academic Dean

Mark Dalhouse, PhD, Academic Dean

Andrea Marritt-Pabalate, PhD, Academic Dean

Rachael Murphey, PhD, Academic Dean

Alyssa Perz, PhD, Academic Dean

Virginia Ramirez-DelToro, PhD, Academic Dean

Sarah Russell, PhD, Academic Dean
Undergraduate students in the Trinity College of Arts & Sciences and the Pratt School of Engineering take advantage of the rich resources available across the schools and institutes that make Duke such a distinguished research university. Undergraduates learn, engage, and connect with committed professors and mentors whose innovative research is recognized around the world. Trinity and Pratt students interact with these faculty members not only in the classroom and the laboratory, but in a variety of settings, both formal and informal. This gives students the opportunity to exchange ideas with professors, graduate students, and broader communities.

Duke students are empowered to learn, expected to change, and encouraged to lead. A Duke education is based on the understanding that students grow intellectually and personally through successive experiences that are often transformative. Duke provides undergraduates with rewarding learning experiences during which they generate, evaluate, integrate, and apply knowledge; develop fluency across cultures; learn to value diversity and difference; and become active and ethical agents of change in their communities and in the world.

One of Duke’s core values is applying knowledge in the service of society. With the schools of the arts and sciences, environment, engineering, and public policy each offering undergraduate instruction, students can approach real-world problems from different fields of inquiry. Duke also offers many service and learning opportunities such as Global Education, DukeEngage, student organizations, and research opportunities that involve students directly with the many major challenges confronting society.

Duke College of Arts & Sciences

Trinity is Duke’s liberal arts college. Steeped in academic tradition and infused with a sense of dynamic engagement, the college embraces the enduring philosophy of teaching and learning that empowers students with a broad base of knowledge and a strong sense of values and ethics. The college enhances the liberal arts tradition with robust opportunities to participate in independent research as well as civic and global engagement.

Trinity College provides students with the opportunity to connect directly with the scholarship of Duke’s faculty. Faculty mentors guide undergraduates in their research, much of it at the cutting edge of scholarship in the humanities, natural sciences, and social sciences. In fact, undergraduates are integral to the production of knowledge as well as artistic productions.
Duke University

Trinity students learn to communicate persuasively, bring meaning to information, discern competing claims, and develop a capacity for reasoning, analysis, and empathy. Students join academic conversations grounded in values of integrity, freedom of inquiry and expression, respect for diversity and difference, and reliance on reason and evidence.

Trinity College's 671 faculty members teach in thirty-eight departments and programs. Many teach and collaborate across traditional disciplinary boundaries, which create distinctive interdisciplinary opportunities for students to learn without limits. The innovative course of study Trinity College students pursue encourages inquiry in and outside the classroom, laboratory, and studio. Global education, service learning, internships, and research opportunities complement classroom instruction to infuse students with the excitement of discovery and the opportunity to use knowledge in the service of society.

Pratt School of Engineering

The undergraduate engineering program at Duke University is designed both for students who intend to become professional engineers and for those who desire a modern, general education based on the problems and the promises of a technological society. The environment in which students are educated is as important in shaping their future as their classroom experiences. In the Pratt School of Engineering this environment has two major components: one is modern technology derived from the research and design activities of faculty and students in the school; the other is the liberal arts environment of the total university, with its humanitarian, social, and scientific emphases.

Engineering is not a homogeneous discipline; it requires many special talents. Some faculty members in the Pratt School of Engineering are designers; they are goal-oriented, concerned with teaching students how to solve problems, how to synthesize relevant information and ideas, and apply them in a creative, feasible design. Other engineering faculty members function more typically as scientists; they are method-oriented, using the techniques of their discipline in their teaching and research to investigate various natural and artificial phenomena.

QuadEx: Duke's Residential Model

QuadEx builds a residential and community link between East and West Campus, which defines where students live and the community they build there. QuadEx is organized around seven West Campus Quads that support students throughout their four years at Duke. Each Quad is linked to an East Campus neighborhood, comprising two first-year residence halls. Students are assigned their Quad affiliation before arriving at Duke and will remain a Quad member for life. The Quads are also the source of strong residentially-based communities, which are student-driven and promote inclusion and belonging for all. Students govern their Quad communities and drive the development of each Quad’s identity and traditions. Students work to co-create shared experiences in ways that celebrate the unique features of each Quad through signs, symbols, rituals, and traditions. These identities foster an enduring sense of connection to bridge past, present, and future generations of Quad members. Equitable access to financial and administrative resources support fun and engaging on-campus social and intellectual events, but the different ways students use those resources result in the development of seven unique Quad cultures.

QuadEx also offers the targeted delivery of programs and resources that are critical to student success and well-being. These include health and wellness support, career guidance, academic resources, alumni programs, and intellectual exploration opportunities. QuadEx signature programs include experiential orientation, the Faculty in Residence Program, the Faculty Fellows, Academic Guides, and Sophomore Spark.

Duke's Undergraduate Instruction

History

Duke University was created in 1924 by James Buchanan Duke as a memorial to his father, Washington Duke. The Dukes, a Durham family that built a worldwide financial empire in the manufacture of tobacco products and developed electricity production in the Carolinas, had long been interested in Trinity College. Trinity traced its roots to 1838 in nearby Randolph County when local Methodist and Quaker communities opened Union Institute. That school, whose name changed to Trinity College, moved to Durham in 1892, where Benjamin Newton Duke served as a primary benefactor and link with the Duke family until his death in 1929.

Women entered Trinity College as regular students in 1892, and Washington Duke's gift to the school's endowment in 1896 required that it would treat women "on an equal footing with men" by creating an on-campus residence for them. In December 1924, the provisions of indenture by Benjamin's brother, James B. Duke, created the family philanthropic foundation, The Duke Endowment, which provided for the expansion of Trinity College into Duke University. Duke maintains a historic affiliation with the United Methodist Church.

As a result of the Duke gift, Trinity underwent both physical and academic expansion. The original Durham campus became known as East Campus when it was rebuilt in stately Georgian architecture. The Philadelphia architectural firm of Horace Trumbauer and Julian Abele, the firm's chief designer in the 1920s, played a central role in the creation of East and West Campuses. West Campus, Gothic in style and dominated by the soaring 210-foot tower of Duke Chapel, opened in 1930. East Campus served as the home of the Woman's College of Duke University until 1972, when the men's and women's undergraduate colleges merged. In 1963, the first five Black undergraduates enrolled at Duke. In 1995, East Campus became the home for all first-year students. In 2016, the main quad on West was named after Abele, an African American architect whose contributions were not widely known on campus until the mid-1980s.

Engineering courses were first taught intermittently starting in 1882. Engineering became a permanent department in 1910, an undergraduate College of Engineering in 1939, and a School of Engineering in 1966 after the addition of graduate courses. The school was renamed the Edmund T. Pratt Jr. School of Engineering in 1999. Academic expansion of the university throughout its history has included the establishment of other graduate
Duke University

and professional schools, as well. The first divinity degree was awarded in 1927, the first PhD in 1928, and the first MD in 1932. The School of Law, founded in 1904, was reorganized in 1930. The following year, the undergraduate School of Nursing was established, transforming in 1985 to a graduate school. The School of Forestry, which was founded in 1938, became the School of Forestry and Environmental Studies in 1974 and was renamed the Nicholas School of the Environment in 1995. The business school was established in 1969 and renamed The Fuqua School of Business in 1980. In 2009, the Sanford School of Public Policy became Duke University's tenth school. All undergraduates now enroll in either the Trinity College of Arts & Sciences or the Pratt School of Engineering.

Today, Duke is a global leader. It consists of a community of learners from around the nation and world, including more than 6,700 undergraduates and 10,000 graduate and professional students. Students come from diverse geographic, racial, and socioeconomic backgrounds. The Class of 2026, with only 6 percent acceptance rate, is composed of 11 percent international students and 55 percent female students. Self-reported race and ethnicity numbers for the class show 10 percent identify as Black, 25 percent as Asian, 14 percent as Latino, 1 percent as Indigenous, 41 percent as White, and 9 percent as more than one race. Also, more than 50 percent of undergraduate students receive some form of financial aid, which includes need-based aid, athletic aid, and merit aid. About 10 percent are "first-generation" or the first in their family who will graduate from a four-year university.

About half of Duke undergraduates study abroad, many in Duke-run programs. The Duke-NUS Medical School in Singapore was established in 2005 as a strategic collaboration between Duke University and NUS. In 2014, Duke partnered with Wuhan University in China to open Duke Kunshan University, with the goal of creating a world-class liberal arts and research university. In 2018, Duke Kunshan fully launched its four-year undergraduate degree program. In recent years, DKU classes have been drawn from 25+ countries, including a strong representation from China and the United States.

Academic Resources

Academic Guides Program

Academic Guides work to promote the academic excellence and well-being of undergraduates in the residence halls on West Campus. By collaborating with campus partners, we offer one-on-one meetings, quad-based programming, and broader community engagement opportunities that provide a context for deeper engagement with the issues that matter to students. We embrace the idea that true academic success comes from overall well-being, which means we listen to students' concerns, support students in and out of the classroom, and connect students with any and all resources needed to thrive at Duke. For more information, visit academicguides.duke.edu.

Academic Resource Center

Being a Duke student can be inspiring, rewarding, and demanding. There are challenging classes and many exciting opportunities in and out of the classroom. The Academic Resource Center (ARC) offers resources to maximize students' capabilities so they can cultivate successful academic experiences at Duke. ARC services are free to all Duke undergraduate students, in any year, studying in any discipline.

Learning Consultations give students an opportunity to meet one-on-one with a professional staff member to enhance their academic skills and learn strategies tailored to how they learn and to their specific courses. Consultations can address many of the challenges students may face, including time management; procrastination, and motivation; how to balance study, work, and co-curricular activities; effective note-taking; exam preparation; and more.

Peer Tutoring offers group tutorials for select courses. Group tutorials provide one-hour, sessions for groups of two to five students with an assigned tutor.

STEM Advancement through Group Engagement (SAGE) learning communities provide opportunities for students to enhance their course experience, build community, and develop scholarship and leadership skills in certain STEM courses. Students work in small groups facilitated by upper-level undergraduate students. Currently, SAGE learning communities support introductory chemistry, biology, biochemistry, economics, mathematics, and computer science courses. See the ARC website for current courses.

Study Connect facilitates connecting students with their classmates to form course study groups. Students can also find other students interested in study groups for the GRE and MCAT.

LD/ADHD Support for students with learning and attention challenges provides course specific and tailored learning strategies through learning consultations, ADHD coaching, and tutoring.

For more information, call the ARC at (919) 684-5917, visit arc.duke.edu, or email ARC@duke.edu.

Duke Testing Center

The Duke Testing Center provides a secure, comfortable, and minimally distracting testing environment for Duke undergraduates who qualify and are enrolled in a course with an instructor who uses the Testing Center. Students who qualify include those granted testing accommodations by the Student Disability Access Office, or who need to complete make-up exams due to an approved absence. Students will schedule in advance to take their Duke course exams in the proctored environment at the Center. For more information about the Testing Center, visit testingcenter.duke.edu.

Undergraduate Research
Undergraduate Research Support Office

Duke University encourages connections between the academic experience and the research endeavors of its faculty scholars and investigators. The Undergraduate Research Support (URS) Office in Trinity College promotes student involvement in research by advising and by providing financial support for research engagements in many disciplines. The office provides research assistantships and grants through the academic year, research grants and fellowships for the summer, and travel grants for presentations at professional conferences. The URS Office also organizes symposia of undergraduate research and it administers summer research programs. For detailed information, visit undergradueresearch.duke.edu.

Research Laboratories

Duke researchers on campus and in the medical center perform about $1.2 billion a year in research, most of it in clinical medicine and discovery science. Their work consistently places Duke among the top ten research universities in the nation. More than half of Duke undergraduates complete faculty-mentored research projects, working with professors from every department across campus. Students can pursue collaborative or individual research in programs and campus facilities. These include but are not limited to the medical center; the Levine Science Research Center; the Fitzpatrick Center for Engineering, Medical and Applied Sciences; the French Family Science Center; the Humanities Labs at the Franklin Humanities Institute; the Media Arts + Science Complex; the Duke Collaboratory for Classics Computing; and the Social Sciences Research Institute, as well as the teaching and research laboratories throughout Trinity College of Arts & Sciences, the Pratt School of Engineering, the Nicholas School of the Environment, and the Sanford School of Public Policy. Undergraduates also conduct research at the Duke University Marine Laboratory in Beaufort, NC, Duke Forest, adjacent to the campus; and the Duke Lemur Center.

Deans & Advisors

Academic Deans

Academic deans play many roles in undergraduate education. Primarily, they

1. monitor academic progress of all students,
2. interpret academic policies,
3. guide and advise students for success, and
4. support students of concern.

Students have the same academic dean for the duration of their academic career at Duke. Students consult with their academic dean whenever needed: for discussion of long-term goals, issues concerning graduation requirements, special course enrollments or withdrawals, personal or medical problems that affect academic work, and general oversight of progress to the degree.

Academic deans also celebrate success by recognizing students who make the Dean’s list and connecting them with other opportunities like the Undergraduate Research Support Office, Grand Challenge Scholars Program, and the Dean’s Summer Research Fellowship program. They also help students navigate graduate and professional school opportunities.

Advising

At Duke, students are supported by a network of advisors who help them find the academic path that is right for them. Central to this network is their college advisor. The college advisor’s role goes beyond helping a student choose classes and understand requirements to include helping the student think about their overall educational and personal goals, as well as possible majors and careers and interesting co-curricular opportunities. Students are required to meet with their college advisor each semester before registration but are encouraged to meet more regularly to discuss academic goals, plans for achieving them, and any other issues related to their academic experience.

In addition to their college advisor, students can consult with their academic dean, specialized advisors called directors of academic engagement, pre-professional advisors, faculty, and peer success leaders. Good advising can also be informal and often occurs in conversation with members of the faculty. Students have a responsibility to understand and meet the requirements for the curriculum under which they are studying and should seek advice as appropriate. Students will benefit from using the wide range of advising resources that are available to them.

Preparation for Graduate and Professional Schools

Students planning to enter a graduate or professional school should consult published information from the relevant advising programs or offices at advising.duke.edu/preprofessional-advising.

For specific information regarding courses and curriculum choices, students should seek input from their faculty advisors and pregraduate or preprofessional advisors where appropriate. Information specific to particular graduate and professional schools can be obtained from the website of each school. Graduate and professional schools require standardized tests for students seeking admission. Information on the tests can be obtained from the appropriate preprofessional school or pregraduate school advisor in Trinity College of Arts & Sciences.

Graduate Schools of Arts and Sciences
Students interested in obtaining a master of science, master of arts, or doctor of philosophy degree should discuss their plans as early as possible with faculty in the proposed field of advanced study. As undergraduates, they should become involved in research which may involve laboratory work, advanced seminars, or independent study. Graduate schools look favorably upon evidence that a student has conducted mentored research such as an honors thesis, leading to Graduation with Distinction. Many graduate schools require a reading knowledge of a foreign language. A research mentor, faculty advisor, and the director of graduate studies in the major department are the best resources for advice about graduate school in the arts and sciences.

**Graduate Schools of Engineering**

Students interested in graduate work in engineering should consult the associate dean of Pratt School of Engineering or the director of graduate studies in one of the engineering departments. Most engineering graduate schools require that a candidate have the equivalent of a bachelor of science in engineering degree; however, students in the natural and social sciences may obtain conditional admission if they have a sufficient background in mathematics.

**Graduate Business Schools**

Students seeking information about graduate business schools should consult the Graduate Business Advisor in Trinity College. In preparing for graduate business school, students should gain a good liberal arts background, by choosing courses that will help them develop communication skills and an understanding of human nature. Students should sharpen their analytical and quantitative skills. Most often this is done through courses in calculus, statistics, microeconomics, accounting, and computer science. Calculus, however, is the course of choice. Students should seek to develop their leadership skills through participation in classroom projects and by becoming active in any student organization of their choice.

**Medical and Dental Schools**

Students planning to enter schools of medicine and dentistry can prepare for admission by taking the courses required by the professional schools of their choice. Health professions schools place a priority on well-rounded achievement. Medical schools and most dental and veterinary schools require two semesters each of inorganic chemistry, organic chemistry, biology, and physics (each with corresponding labs), and English. Some schools also require or recommend biochemistry, math, and/or statistics, or additional biology courses. The MCAT requires students to have, in addition to the above courses, a background in biochemistry, statistics, psychology, and sociology.

For a complete listing of course requirements set by each school, consult the Medical School Admissions Requirements, published by the Association of American Medical Colleges, or the Official Guide to Dental Schools, published by the American Dental Education Association. Students should discuss their programs of study with their major advisors, academic deans, and an advisor for the health professions from the Office of Health Professions Advising.

**Graduate Programs in the Health Professions**

Students interested in careers as physical therapists, health administrators, or others of the allied health professions should prepare with coursework in the natural sciences and behavioral sciences within a liberal arts curriculum. Up-to-date information on allied health professions and programs is best accessed through the Internet. An advisor in the Office of Health Professions Advising is available to meet with students interested in allied health professions.

**Law Schools**

Students who plan to prepare for law school and a career in law should seek breadth in their undergraduate courses. They may choose to major in any field. Students should select courses that encourage thinking analytically and synthetically, as well as courses that strengthen oral and written communication skills. For a fuller discussion of undergraduate preparation for the study of law, students should refer to the Duke Pre-Law Handbook or the Law School Admission Council (LSAC).

**Theological Study and Professional Religious Work**

Students interested in studying theology are encouraged to enroll in a Duke Divinity School course to explore topics of interest and engage with faculty members and other administrative staff about possibilities for further study.

Preparation for graduate theological study often prioritizes a strong background in the humanities with broad knowledge in the areas of biblical and modern languages, religion, English, history, and philosophy. Most theological schools do not require languages for admission at the master degree level; however, doctoral programs in theological fields ordinarily require proficiency in two modern languages prior to completing the program. Additionally, doctoral programs in biblical studies ordinarily require biblical language skills in Greek and Hebrew as a prerequisite for admission.

While theological degrees have most often been sought by persons desiring training for ordained ministry or other professional religious roles, theological degrees are also pursued by persons in other disciplines such as medicine, nursing, law, business, public policy, education, environmental studies, and social work to complement their studies and training.

More detailed information about theological study may be obtained from the Duke Divinity Office of Admissions by calling (919) 660-3436, sending an email to admissions@div.duke.edu, or visiting divinity.duke.edu.
Special Programs

Bass Connections
Bass Connections brings together faculty, graduate students, and undergraduate students to tackle complex societal challenges in interdisciplinary research teams. The program exemplifies Duke’s commitment to interdisciplinary research and teaching as a vital part of the university’s mission.

Through Bass Connections project teams, courses, and summer programs, students and faculty engage in interdisciplinary, collaborative research focused on societal challenges, often in partnership with external organizations. Many participants choose to take their research further through grants and other opportunities within Duke and beyond.

Project Teams
Interdisciplinary research teams tackle complex societal challenges over two semesters (some teams add a summer component). Students can receive course credit during the academic year and funding during the summer. For more information, visit bassconnections.duke.edu/project-teams.

One-Semester Courses
Numerous courses highlight interdisciplinary thinking, collaborative assignments, and interaction with community partners. For more information, visit bassconnections.duke.edu/courses.

Summer Programs
Students spend six to ten weeks immersed in mentored research through a range of summer programs, including Data+, Story+, Global Health Student Research Training, and the Summer Neuroscience Program. Summer funding is available. For more information, visit bassconnections.duke.edu/summer-programs.

Student Research Awards
Students may apply for funding for student-driven research projects, collaborative or individual. For more information, visit bassconnections.duke.edu/student-research-awards.

Duke Immerse
Duke Immerse offers 4.0-course-credit, semester-long academic experiences in which a small cohort of undergraduates enrolls in a set of four interrelated seminars focused around a significant global challenge or issue. Examples of current Duke Immerse themes include pandemics and health, urban governance, food studies, human rights, and migration. Duke Immerse programs are research intensive and often include travel, fieldwork, and experiential learning. All course credits and codes apply toward a student’s graduation requirements. Each Duke Immerse offering has intensive faculty-student interaction, and many Duke Immerse students leverage their research for a senior thesis. Student experience data indicate that the Duke Immerse program offers students a strong sense of academic belonging and that Duke Immerse students are much more likely to have a deeply meaningful connection with a faculty mentor.

Different Immerse themes are offered in the spring and fall each year. The Duke Immerse Program requires participants to enroll in a set of four seminars. The seminars fulfill general curriculum, major, minor, and certificate requirements. Courses are often cross-listed in more than one department. For more information about courses in the Duke Immerse Program, visit immerse.duke.edu.

The Focus Program
The Focus Program creates a vibrant intellectual community involving faculty and first-year students embedded in a living-learning context during the fall semester. Students are postured for success from the very beginning in courses that focus on the scientific method, problem solving, and primary research. The Focus Program allows incoming first-year students to enroll in two of their four courses prior to starting at Duke. This early enrollment makes entry into Duke much less stressful for incoming students by providing access to faculty, their own cohort, and former Focus students from their cluster.

The Focus Program is an example of transformational education, where the boundaries of the classroom are fundamentally redefined. Many seniors note that the Focus Program is one of the most influential experiences of their college career.

The Focus Program draws its offerings from courses taught by more than sixty Duke University professors in twenty-nine cooperating departments and centers within two institutes and four schools. Courses have been designed specifically for the program to help place the topics chosen for specialization in a broad interdisciplinary and global perspective. Classes are small, interrelated, and mutually reinforcing; they provide opportunities for discussion and individualized research. The program is administered by a faculty director, program staff, and a faculty advisory committee representing the various clusters.

Since one of the aims of the Focus Program is to encourage the integration of academic life with residential life, participants of each cluster live in the same residence hall together with other first-year students.

Current Focus Program information may be found on the program website at focus.duke.edu. Questions and comments may be directed to the Focus Program Office at (919) 684-9370 or focus@duke.edu.
Reserve Officer Training Corps

Duke University and the military services cooperate in offering officer education programs to provide opportunities for students to earn a commission in the United States Air Force, Space Force, Army, Navy, or Marine Corps. These programs are described below, and detailed information on scholarships, entrance requirements, and commissioning requirements is available from the offices of the Department of Aerospace Studies (Air Force and Space Force), the Department of Military Science (Army), and the Department of Naval Science (Navy and Marine Corps). Courses offered in these departments are described on the Courses page.

The Air Force Reserve Officer Training Corps (AFROTC)

The Air Force Reserve Officer Training Corps (AFROTC) functions as the Department of Aerospace Studies at Duke University. AFROTC's mission is "Develop Leaders of Character for tomorrow's Air Force and Space Force." AFROTC offers students the unique opportunity to earn a commission as a Second Lieutenant in the United States Air Force or Space Force upon successful completion of the program and graduation. AFROTC selects, educates, trains, and commissions college men and women through a three-year to four-year curriculum. The program consists of both the General Military Course (GMC), a course sequence normally taken during the freshman and sophomore years, and the Professional Officer Course (POC) taken during the junior and senior years. The GMC program is open to freshman and sophomore students who meet AFROTC selective military eligibility requirements.

Students who complete the GMC program may compete for selective entry into the POC. Becoming a POC requires successful completion of a 13-day intensive leadership program. Field Training is generally offered the summer between sophomore and junior years. Also, during summer breaks, students are given the opportunity to volunteer for Air Force sponsored advanced training programs and internships in a variety of different areas.

Students may compete for various types and lengths of scholarships. These scholarships pay up to full tuition, a monthly tax-free stipend of $300-$500, and an annual book allowance of $900. All members of the POC receive the tax-free stipend even if not on scholarship. Upon program completion and graduation, students are commissioned and assigned to active duty units within the United States Air Force and Space Force for a service commitment of at least four years.

For further information, please direct inquiries to the Department of Aerospace Studies Recruitment Officer at Room 265 Trent Hall Building, (919) 660-1869, email det585@duke.edu, or visit their website at afrotc.duke.edu.

The Army Reserve Officers' Training Corps (AROTC)

Army ROTC provides students of strong character with an opportunity to develop themselves as scholars/athletes/leaders and earn a commission as an Army Officer. Two programs are available, the three- or four-year progression program and the two-year lateral entry program.

The three- or four-year program consists of the Basic Course (first-year and sophomore year) and the Advanced Course (junior and senior years). Students who enroll at the start of their sophomore year have the option to compress the Basic Course into one year. Direct entry into the Advanced Course (a two-year program) is possible by attending four weeks of training at Fort Knox, Kentucky, during the summer before the student's junior year. Students may also be allowed direct entry into the Advanced Course if they have completed Basic Training through the Active Army, Army Reserve, or Army National Guard. Students wishing to register for the two-year program should confer with the Department of Military Science before March of their sophomore year to sign up for summer training and maintain eligibility to compete for a two-year scholarship. There is currently one mandatory summer training requirement: Advanced Camp at Fort Knox, which takes place over a five-week period between the junior and senior years. All uniforms, equipment, and texts are provided.

Detailed information on Army ROTC is available from the Department of Military Science at arotc@duke.edu or on the departmental website at arotc.duke.edu.

The Naval Reserve Officer Training Corps (NROTC)

The Department of Naval Science offers students the opportunity to become Navy and Marine Corps officers upon graduation. Selected students will receive up to four years of tuition, fees, uniforms, and textbooks at government expense under the auspices of the Scholarship Program. In addition, scholarship students receive subsistence pay and summer active duty pay of approximately $3,000 a year. Each summer they participate in four weeks of training either aboard a ship or a shore facility to augment their academic studies. A minimum of five years of active duty service is required upon graduation.

A two-year program is available to rising juniors. Students wishing to join the two-year program must meet with the Department of Naval Science no later than March 1 of their sophomore year in order to qualify for the summer training and two-year scholarship, which covers full tuition, fees, uniforms, and textbooks.

Non-scholarship students wishing to join the NROTC Battalion may be enrolled in the College Program at any time before the spring semester of their junior year. They take the same courses and wear the same uniforms, but attend the university at their own expense. Uniforms and Naval Science textbooks are provided by the government.

College Program students may compete for scholarship status through academic performance, demonstrated aptitude for military service, and nomination by the professor of Naval Science. Students in either program may qualify for a commission in the United States Marine Corps through the Marine Corps Option Program.

For further information on the NROTC program, contact the Department of Naval Science at (919) 660-3700 or visit nrotc.duke.edu.
Service-Learning and Community-Engaged Courses (SLCE)

Service-learning and community-engaged (SLCE) courses build a strong academic foundation by incorporating collaborations with local community partners and translating theory into real-world experience. By exploring the rich diversity of our local and global communities, SLCE courses provide students with opportunities to engage effectively with communities on issues such as the environment, socioeconomic inequities, public policy, health, immigration, education, and more.

Service-learning courses require a commitment to engage in a service project determined by the needs of the community partner. Community-engaged classes may or may not require a service-component, but provide opportunities to interact with community members, organizations, and events.

All SLCE courses support students in developing a wide range of skills, from cross-cultural awareness and critical thinking to problem-solving and leadership skills. The courses also help students discover the specific ways they want to be agents of change in the world. To learn more about Duke Service-Learning, go to servicelearning.duke.edu.

Academic Policies

Academic & Financial Obligations

Students are expected to meet academic requirements and financial obligations, as specified in the school bulletin, to remain in good standing. Failure to meet these requirements and to abide by the rules and regulations of Duke University may result in summary dismissal.

Degrees and Academic Credit

Duke University offers in Trinity College of Arts & Sciences the degrees of bachelor of arts and bachelor of science, and in Pratt School of Engineering the degree of bachelor of science in engineering. Within the curriculum of each college or school, students have the major responsibility for designing and maintaining a course program appropriate to their background and goals. They are assisted by faculty advisors, departmental directors of undergraduate studies, and academic deans. Students must accept personal responsibility for understanding and meeting the requirements of the curriculum. Credit toward a degree is earned in units called course credits, which ordinarily consist of three to four hours of instruction each week of the fall or spring semester or the equivalent total number of course credits in a summer term. Double (2.0) course credits, half (.5) course credits, and quarter (.25) course credits are also recognized.

Course Numbering

Introductory-level courses are numbered 100 to 199; mid- to advanced-level courses are numbered 200 and above; courses numbered from 400 to 499 are primarily for seniors; courses numbered from 500 to 699 are graduate-level courses open to advanced undergraduate students. Special Topics courses may be repeated (if the subtitles of the courses are different), subject to any limitation set forth in the course description in this bulletin.
The following sections contain detailed academic policy information for undergraduate students in Trinity College of Arts & Sciences and Pratt School of Engineering.

**Attendance**

**Class Attendance & Missed Work**

Responsibility for class attendance rests with individual students, and since regular and punctual class attendance is expected, students must accept the consequences of failure to attend. Instructors may refer students to their academic dean when students accumulate excessive numbers of absences.

Absences from class and missed work are accommodated (excused) in five circumstances: 1) significant illness, 2) personal instances of distress or emergency, 3) religious observance, 4) varsity athletic participation, and 5) required court or legal appearances.

Detailed information about the policy and the notification procedure is available at trinity.duke.edu/undergraduate/academic-policies/class-attendance-and-missed-work for students in Trinity College, or pratt.duke.edu/undergrad/students/policies/3486 for students in the Pratt School of Engineering.

Missed work associated with any other absence is not covered by this policy. In courses where a defined number of absences is permitted, students should make judicious use of them and save them for unavoidable circumstances. Students are encouraged to discuss any absence, planned or unexpected, with their instructor to determine whether accommodation is possible. The nature of the accommodation, if any, is to be determined by the faculty member in accordance with their attendance policy as outlined in the course syllabus.

**Changes in Status**

**Withdrawal and Readmission**

Students who wish to withdraw from the college must give official notification to the Time Away Office. Notification must be received prior to the beginning of classes in any term, or tuition will be due on a pro-rata basis. (See the section Fall and Spring Refunds in Financial Policies.) For students withdrawing on their initiative after the beginning of classes and up to the first day of the last four weeks of regular classes in the fall or

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<table>
<thead>
<tr>
<th>CATALOG NUMBER</th>
<th>COURSE TYPE</th>
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<tbody>
<tr>
<td>0-99</td>
<td>Advanced Placement credit</td>
</tr>
<tr>
<td></td>
<td>House courses</td>
</tr>
<tr>
<td></td>
<td>First-year seminars</td>
</tr>
<tr>
<td></td>
<td>First-year writing courses</td>
</tr>
<tr>
<td></td>
<td>Registrar/department special purpose</td>
</tr>
<tr>
<td>100-199</td>
<td>Introductory-level undergraduate courses</td>
</tr>
<tr>
<td></td>
<td>Basic skills/activity courses</td>
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<tr>
<td></td>
<td>Foundation courses</td>
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<tr>
<td></td>
<td>Focus Program courses</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>SUFFIX</th>
<th>COURSE TYPE</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>Courses that are taught away from Duke’s Durham campus, e.g., study abroad or domestic away programs.</td>
</tr>
<tr>
<td>D</td>
<td>Course has a discussion section (for a larger class).</td>
</tr>
<tr>
<td>FS</td>
<td>Course is part of the Focus Program (Special Programs).</td>
</tr>
<tr>
<td>L</td>
<td>Course includes laboratory experience.</td>
</tr>
<tr>
<td>P</td>
<td>Preceptorial (small class)</td>
</tr>
<tr>
<td>S</td>
<td>Seminar (small class)</td>
</tr>
<tr>
<td>T</td>
<td>Tutorial (small class)</td>
</tr>
</tbody>
</table>

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spring term, or before the last two weeks of regular classes in a summer term, a W is assigned in lieu of a regular grade for each course. After these dates, an F grade is recorded unless withdrawal is caused by an emergency beyond the control of the student, in which case a W is assigned as part of the time away process. Withdrawals from the university during a semester will not be approved after the last day of classes.

Students may be involuntarily withdrawn for academic reasons, financial reasons, violation of academic regulations, disciplinary reasons, as well as administratively. Their withdrawal will be noted accordingly on the official academic record. Students with a dismissal pending are not in "good standing" and therefore are ineligible to undertake coursework scheduled to be taught during the pending dismissal period. Students who received an I or X grade during a semester in which they experienced a voluntary or involuntary separation from Duke, may, at the discretion of their academic dean, be advised to complete the outstanding work prior to returning to school.

Students who are placed on academic probation after returning to Duke may not be eligible to participate in particular university programs such as, but not limited to, study abroad and DukeEngage.

Return requests are made to the appropriate school or college through the Time Away Office. Each request is reviewed by the Time Away Office and other relevant campus partners. A return decision is made based on information shared by the student on the return request form, information shared by relevant providers, and general readiness to return. Students who are returned must meet residential requirements. All returning students are eligible to live in on-campus housing unless they have been deemed ineligible due to a university sanction.

Return requests must be completed by November 1 for enrollment in the spring, by April 1 for enrollment in the summer, and by June 1 for enrollment in the fall. For more information, visit the Time Away Office website at undergrad.duke.edu/student-success/time-away-office.

**Leave of Absence**

Personal leave is planned and must be requested before the semester starts by submitting a Time Away Inquiry Form to the Time Away Office. A personal leave of absence is not granted for a term in which classes have begun. In extreme cases such as family death or a recent diagnosis of terminal illness, an administrative leave of absence will be granted.

A medical leave is a voluntary time away that occurs during the course of the semester when a student's medical situation is causing them to put a pause in their academics to focus on their health. Students must submit a Time Away Inquiry Form and the required documentation from their medical provider. The Time Away Office will review the documentation and meet with the student to review the treatment recommendations established by the student's provider. After the student has reviewed the recommendations they will decide if they want to move forward with the medical time away. If the student wants to move forward, the Time Away Office will notify relevant university offices, and professors and process the required documentation. The deadline for requesting a medical time away and submitting the provider form is by 5:00 pm on the last day of class of that term.

Students who request a medical leave of absence for a current term and submit their leave request prior to the last day of classes will be assigned W in lieu of a regular grade for each course. A medical leave of absence will not be retroactively granted for a term for which the last day of classes has already occurred.

Registration information will be provided by the university registrar to all students who are approved to return from a leave of absence. All returning students must register prior to the first day of classes for the term of intended enrollment. Students returning from time away and desiring housing on campus will be placed in the general housing lottery, provided they have submitted the appropriate information to the Office of Housing, Dining & Residential Life by its published deadline and provided that they lived on campus before taking their approved leave. Detailed information about requesting and returning from a leave of absence is provided on the Time Away Office website. Students returning to Trinity College of Arts & Sciences or the Pratt School of Engineering should visit the Time Away Office website at undergrad.duke.edu/student-success/time-away-office.

Students who undertake independent study under Duke supervision and for Duke credit are not on leave of absence even if studying elsewhere. Students register at Duke as a nonresident students and pay the appropriate fees or tuition at Duke. This policy also applies to Duke programs conducted away from the Durham campus.

**Transfer between Duke University Schools**

Students in good standing may be considered for transfer from one Duke undergraduate school or college to another, upon completion of the transfer process found at pratt.duke.edu/undergrad/students/policies/3537. The review of requests to transfer involves consideration of a student's general academic standing, citizenship records, and relative standing in the group of students applying for transfer. The school or college to which transfer is sought will give academic counseling to a student as soon as the intention to apply for transfer is known, although no commitment will be implied. A student may apply to transfer at any time prior to receiving a baccalaureate degree, and transfers may become effective as early as the completion of the first semester. A student transferring to Trinity College of Arts & Sciences from Pratt School of Engineering, prior to receiving a baccalaureate degree, may not use more than six professional school credits toward the bachelor of arts or bachelor of science degree. If admitted to either Trinity College or Pratt School of Engineering after having earned a baccalaureate degree at another institution, a student must complete in the new school/college a total of seventeen additional courses and fulfill degree requirements in order to be eligible for a second undergraduate degree at Duke.

**Transfer from Duke to Another Institution**
Students who enroll at Duke and subsequently transfer to another institution as degree-seeking students, will be eligible to request a return to Duke in future semesters. Former Trinity College students cannot transfer more than the equivalent of two domestic transfer credits back to Duke. Former Pratt School of Engineering students cannot transfer more than the equivalent of 4.0 course credits back to Duke. For both Trinity and Pratt students, any transfer credits will count toward the maximum allowable transfer credits from another institution as stipulated under the policy Work Taken after Matriculation at Duke on the page Transfer & Entrance Credit. Students considering transferring to another institution should discuss this with their academic dean in the early stages of their planning. Students must submit a Time Away Inquiry Form to begin the transfer process. The Time Away Office will assist students through the process and complete all necessary documentation.

**Full-Time and Part-Time Degree Status**

Candidates for degrees must enroll in a normal course load (i.e., at least 4.0 course credits) each semester unless they are eligible and have received permission from their academic dean to be enrolled in fewer than 4.0 course credits (see Course Load and Eligibility for Courses). Students who intend to change from full-time to part-time status must request permission from their academic dean. Except for extraordinary circumstances, such permission is given only to students for the final semester of their senior year. Students must submit their online request for part-time status by the last day of classes in the semester that immediately precedes their final semester of enrollment at Duke. Part-time students may register for no less than 1.0 and no more than 2.5 course credits. Part-time students may be denied university housing. Degree candidates who matriculated through continuing education or are employees should confer with their academic dean about course load requirements.

**Resident and Nonresident Status**

See the section Living Expenses.

**Nondegree to Degree Status**

A nondegree student must apply to the Office of Undergraduate Admissions for admission to degree candidacy.

**Undergraduate Status**

An undergraduate student admitted to Trinity College or Pratt School of Engineering officially becomes a Duke undergraduate student at the point of matriculation and is accorded all the rights, privileges, and responsibilities of a Duke student at that time. When an undergraduate has completed all of the requirements of the bachelor's degree and is no longer enrolled in coursework toward the degree, the student ceases to be a Duke undergraduate student in the strict sense of the word. Their rights and privileges are then defined by the Duke Alumni Association. (This definition also applies to nondegree-seeking visiting students during the period of their enrollment at Duke.)

**Continuation**

Students must achieve a satisfactory record of academic performance each term and make satisfactory progress toward graduation each year to continue at Duke University. Students who fail to meet the minimum requirements to continue will be dismissed from the university for at least two semesters. (A summer session may be counted as a semester.) Those desiring to return after the dismissal period may submit a petition to return to the Time Away Office. Visit undergrad.duke.edu/student-success/time-away-office for more information. If after returning the student fails again to meet minimum continuation requirements, the student will be dismissed for six terms, which includes the combination of consecutive summer, fall, and spring terms. Students admitted to degree programs from continuing education should consult their academic dean concerning continuation.

**Satisfactory Performance Each Term (Semester Continuation Requirements)**

A student who does not receive a passing grade in all courses must meet the following minimum requirements or be withdrawn from the college.

**In the Fall or Spring Semester**

1. In the first semester of enrollment at Duke, a student must pass at least 2.0 course credits; 2. after the first semester at Duke, a student must pass at least 3.0 course credits; 3. a student enrolled in an underload after the first semester at Duke must earn all passing grades. Students may not carry an underload without the permission of their academic dean. For the purposes of continuation, incomplete work in any course is considered a failure to achieve satisfactory performance in that course. Therefore, where continuation is in question, incomplete work in any course must be completed with a passing grade in time for final grades to be submitted to the Office of the University Registrar no later than the weekday preceding the first day of classes of the spring semester, or one week prior to the first day of classes of the second term of the summer session, as appropriate. In the case of incomplete work in the spring semester, this requirement applies whether or not the student plans to attend one or more terms of the summer session. The student, however, may not enroll in a summer term at Duke unless the requirement of satisfactory performance each semester has been satisfied.

**In the Summer Session**

To continue enrollment at Duke in the fall, a student enrolled at Duke in any previous semester must not fail more than one full course taken during that summer. For purposes of continuation, incomplete work is considered a failure to achieve a satisfactory performance in that course. Therefore, when eligibility to continue from the summer session to the fall is in question, incomplete courses must be satisfactorily completed in
time for a passing grade to be submitted to the Office of the University Registrar no later than the business day preceding the first day of fall classes.

Any student excluded from the college under the provisions of these regulations may on request have the case reviewed by the lead academic dean of Trinity College of Arts & Sciences.

**Satisfactory Progress toward Graduation (Annual Continuation Requirements)**

Each year prior to the beginning of fall term classes, a student must have made satisfactory progress toward fulfillment of curricular requirements to be eligible to continue in the college; i.e., a certain number of courses must have been passed at Duke according to the following schedule:

<table>
<thead>
<tr>
<th>Trinity College of Arts &amp; Sciences</th>
<th>TO BE ELIGIBLE TO CONTINUE TO THE:</th>
<th>A STUDENT MUST HAVE PASSED:</th>
</tr>
</thead>
<tbody>
<tr>
<td>2nd semester at Duke</td>
<td></td>
<td>2.0 course credits at Duke</td>
</tr>
<tr>
<td>3rd semester at Duke</td>
<td></td>
<td>6.0 course credits at Duke</td>
</tr>
<tr>
<td>4th semester at Duke</td>
<td></td>
<td>10.0 course credits at Duke</td>
</tr>
<tr>
<td>5th semester at Duke</td>
<td></td>
<td>14.0 course credits at Duke</td>
</tr>
<tr>
<td>6th semester at Duke</td>
<td></td>
<td>19.0 course credits at Duke</td>
</tr>
<tr>
<td>7th semester at Duke</td>
<td></td>
<td>22.0 course credits at Duke, plus two additional course credits</td>
</tr>
<tr>
<td>8th semester at Duke</td>
<td></td>
<td>26.0 course credits at Duke, plus two additional course credits</td>
</tr>
</tbody>
</table>

Note: The additional courses in 7th and 8th semesters may be earned through placement and/or transferred courses.

<table>
<thead>
<tr>
<th>Pratt School of Engineering</th>
<th>TO BEGIN ENROLLMENT IN THE:</th>
<th>A STUDENT MUST HAVE PASSED:</th>
</tr>
</thead>
<tbody>
<tr>
<td>2nd semester at Duke</td>
<td></td>
<td>2.0 course credits at Duke</td>
</tr>
<tr>
<td>3rd semester at Duke</td>
<td></td>
<td>6.0 course credits at Duke</td>
</tr>
<tr>
<td>4th semester at Duke</td>
<td></td>
<td>10.0 course credits at Duke</td>
</tr>
<tr>
<td>5th semester at Duke</td>
<td></td>
<td>13.0 course credits at Duke</td>
</tr>
<tr>
<td>6th semester at Duke</td>
<td></td>
<td>17.0 course credits at Duke</td>
</tr>
<tr>
<td>7th semester at Duke</td>
<td></td>
<td>22.0 course credits at Duke</td>
</tr>
<tr>
<td>8th semester at Duke</td>
<td></td>
<td>26.0 course credits at Duke</td>
</tr>
</tbody>
</table>

Note: The Pratt School of Engineering will count up to four post-matriculation transfer course credits (in addition to study abroad) for students entering the 7th or 8th semester of Annual Continuation Requirements.

For students who have interrupted their university studies, the continuation requirement must still be satisfied before the beginning of each fall term. For such students, the number of courses needed to satisfy the continuation requirement is determined from the table above, based on which semester they will enter in the fall term.

Courses taken in the summer term at Duke may be used to meet this requirement; except as noted, Advanced Placement may not be used to satisfy it. AP credits are not counted when determining annual continuation, however, they are counted toward graduation requirements. No more than two courses completed with D grades, 1.0 total course credit of PE; 1.0 course credit of activity courses (no house courses); 2.0 course credits of military science (junior/senior year only); and 6.0 course credits of professional or graduate school courses may be counted toward fulfilling this annual continuation requirement.

**Academic Warning and Probation**

A student whose academic performance satisfies continuation requirements, but whose record indicates marginal scholarship, will be subject either to academic warning or academic probation. Failure to clear probationary status in the semester of probation will result in a student’s dismissal for academic reasons. Students admitted to degree programs from continuing education should consult their academic deans concerning warning and probation.

In determining whether a student should be placed on academic warning, probation, or dismissed for academic reasons, a grade of U earned in a course, whether that course is offered only S/U or the student elects to take it on the S/U basis, is considered equivalent to a grade of F.

**Academic Warning**

A student who receives a single grade of F while enrolled in four or more courses or a second (or more) D will be issued an academic warning by the academic dean.
Academic Probation

For a student enrolled in 4.0 or more course credits, the following grades will result in academic probation for the succeeding semester: during the first semester of the first year, grades including DD, DF, or FF; during any subsequent semester, grades including DDD, DF or FF (as long as the student has passed 3.0 other course credits); and during two consecutive semesters, grades including DDDD, DDDF, or DDDF. For a student enrolled in an authorized underload (i.e., fewer than 4.0 course credits), the following academic performance will result in academic probation: during the first semester of the first year, grades of DD or F; during any subsequent semester, grades including DDD or DF (as long as 3.0 course credits have been passed in that semester); and during two consecutive semesters, grades including DDDD, DDDF, or DDDF. In a case where probation may be in question because of an incomplete grade, the student will be notified by the dean of the need to have the incomplete replaced by a satisfactory grade to avoid probation.

The probation status will be reflected on those academic records used for internal purposes only. Students placed on academic probation must acknowledge their probationary status in writing to their academic dean to continue in the college. They are also expected to seek assistance from campus resources, have their course selection approved by their academic deans, and meet periodically with them. They may not study abroad during the probation period. Students are expected to clear their probationary status during the semester of probation. In order to do so, they must enroll in four full-credit courses, of which no more than one may be taken on a Satisfactory/Unsatisfactory basis. Grades of C, S, or better must be earned in each course, or a C average must be achieved in that semester.

Probationary status cannot be cleared in a semester in which students seek permission and are allowed to withdraw to an underload. In such cases, the probationary status continues through the next semester of enrollment or in both terms of the summer session. Students on probation, whether in a normal load or an underload, are required to meet continuation requirements. Students whose probationary status for the reason of an underload continues to a second semester must adhere to the conditions and standards previously outlined for clearing probation. Failure to do so will result in academic dismissal.

Declaration of Major

Declaration of Major in Trinity College of Arts & Sciences

All students enter Trinity College without a major. Before declaring a major at Trinity College, students work with their college advisor and others to develop a long-range academic plan. This plan lays out the courses they anticipate taking in their remaining semesters and is reviewed by their advisor to confirm that it will meet established college requirements for graduation.

Students may declare a major after completing their first year and must declare a major no later than the last day of class prior to the mid-semester break of their fourth semester. Students who do not declare their major may be prevented from registering for classes for their fifth semester and from participating in study abroad programs.

After students have declared their major, primary advising responsibility shifts to their major department and they will work with an advisor in their major. However, many students choose to continue a relationship with their college advisor throughout their time at Duke.

Students who have declared a major and wish to change, add, or delete a major, minor, or certificate may do so through the Office of the University Registrar’s Academic Plan Change form, which is available at registrar.duke.edu/student-resources/student-forms.

Seniors who have completed the Intention to Graduate Form, which is distributed via email during the fall of the senior year, can change a major, minor, or certificate at trinity.duke.edu/undergraduate/academic-policies/notification-intent-to-graduate. Seniors who have not received or completed the Intention to Graduate Form can change a major, minor, or certificate by emailing trinity_graduation@duke.edu from a duke.edu email address. Only one undergraduate degree may be earned; however, a notation of a second major will appear on the transcript. A student may not declare more than two majors. Majors offered within each degree are listed below.

Interdepartmental Major. A student may declare a student-originated interdepartmental major in two Trinity College departments or programs that offer a major after receiving the approval of the directors of undergraduate studies of the departments involved. A student who is interested in a student-originated interdepartmental major should consult with the academic dean responsible for students completing an interdepartmental major. Students proposing an interdepartmental major must present a written plan that has the signed approval of the two directors of undergraduate studies to the academic dean for interdepartmental majors; the plan must include a descriptive title and rationale as well as a list of courses that will be taken in both departments. Any subsequent changes to the course of study must be jointly approved by the directors of undergraduate studies. A student may declare a department-originated interdepartmental major the same way as declaring any other major. For more information, visit trinity.duke.edu/undergraduate/academic-policies/majors-minors-certificates-interdepartmental-major.

Program II. Program II provides an alternative, self-designed degree program for undergraduates at Trinity College. This can be an excellent option for students who feel that a self-designed program will best enable them to pursue their intellectual interests. Students interested in Program II should speak with their college advisor and with the academic dean who oversees Program II. For more information, visit program2.duke.edu.

Declaration of Major in the Pratt School of Engineering

Duke University
A Pratt student is urged to declare a major before registration for the first semester of the sophomore year, and is required to do so by the time of registration for the first semester of the junior year. Declaration of major is accomplished by completing an online form available at registrar.duke.edu/student-resources/student-forms.

Degree Requirements

Trinity General Education Requirements (Program I)

Programs I and II provide a variety of approaches to obtaining a liberal arts education. Both programs lead to the bachelor of arts (AB) or bachelor of science (BS) degree, and both involve completing 34.0 course credits to satisfy the requirements for the degree.

Trinity College of Arts & Sciences curriculum is meant to encourage breadth as well as depth and provide structure as well as choice. It reflects Duke's desire to dedicate its unique resources to preparing its students for the challenging and rapidly changing global environment. It supports a cross-cultural and interdisciplinary approach to knowledge and fosters the development of students' abilities to read and think critically and in historically and ethically informed ways, to communicate lucidly and effectively, and to undertake and evaluate independent research.

The curriculum has two components: general education requirements and the major requirements. Students must complete the requirements of the curriculum listed below—and explained more fully in the following sections—to satisfy the requirements for the degree. Students who receive an S (Satisfactory) grade will receive credit toward general education requirements, including curriculum codes, and the course will count toward the requirements of any major, minor, or certificate program (including prerequisites), unless the Director of Undergraduate Studies gives special permission.

General Education Requirements

The general education requirements include two interrelated features: Areas of Knowledge and Modes of Inquiry, which are described in more detail in the following sections. Since a course may have several intellectual goals and intended learning outcomes, it may simultaneously satisfy more than one general education requirement, as well as requirements of a major, minor, or certificate program.

Required Courses

Areas of Knowledge. 2.0 course credits must be completed in each of the following five areas. Courses satisfying one Area of Knowledge cannot be reused to complete requirements in a second Area.

Historically, the ways in which knowledge has been organized reflect both differences in subject matter and methods of discovery. This delineation is dynamic, marked by increasing differentiation and an array of academic disciplines. Disciplines have traditionally been grouped into three divisions: humanities, social sciences, and natural sciences. Duke has chosen to divide the humanities and natural sciences further to assure that undergraduates engage the full range of substantive concerns and approaches there. Thus, the curriculum adopts the following division of courses (into the five areas of knowledge): arts, literatures, and performance; civilizations; natural sciences; quantitative studies; and social sciences. Because Duke believes that engagement with each is essential, not optional, for an informed and educated person in the twenty-first century, students must satisfactorily complete 2.0 course credits in each area.

- **Arts, Literatures, and Performance (ALP).** Through courses in arts, literatures, and performance, students learn about the creative products of the human intellect.
- **Civilizations (CZ).** Courses about civilizations ask students to engage in analysis and evaluation of ideas and events that shape civilizations past and present.
- **Natural Sciences (NS).** Through courses in natural sciences, students learn about the interpretation or application of scientific theories pertaining to or models of the natural world.
- **Quantitative Studies (QS): one of the QS courses must be in math, statistical science, or computer science.** Courses in quantitative studies, including computer science, mathematics, and statistical science, help develop skills of inference and analysis.
- **Social Sciences (SS).** Through courses in the social sciences students learn about patterns of human behavior and about the origins and functions of the social structures in which we operate.

Modes of Inquiry. Credits must be obtained in courses designated as offering exposure to each of the following inquiries, as indicated below. A single course can be used to satisfy up to three Modes of Inquiry, as well as one Area of Knowledge.

The first three of the six required Modes of Inquiry address important cross-cutting intellectual themes that represent enduring focal points of inquiry and involve the application of knowledge to which many disciplines speak. Students need to be prepared to engage in a critical analysis of world issues pertaining to cross-cultural, ethical, and science and technology matters throughout their lives and careers. Students must take 2.0 course credits in each of these three modes.

- **Cross-Cultural Inquiry (CCI): 2.0 course credits.** This Mode of Inquiry provides an academic engagement with the dynamics and interactions of culture(s) in a comparative or analytic perspective. It involves a scholarly, comparative, and integrative study of political, economic, aesthetic, social, and cultural differences. It seeks to provide students with the tools to identify culture and cultural differences
across time or place, and/or between or within national boundaries. This includes, but is not limited to, the interplay between and among material circumstances, political economies, scientific understandings, social and aesthetic representations, and the relations between difference/diversity and power and privilege within and across societies. In fulfilling this requirement, students are encouraged to engage in comparisons that extend national boundaries and their own national cultures and explore the impact of increasing globalization.

- **Ethical Inquiry (E): 2.0 course credits.** Undergraduate education is a formative period for engaging in critical analysis of ethical questions arising in human life. Students should be able to assess critically the consequences of actions, both individual and social, and to sharpen their understanding of the ethical and political implications of societal and personal decision-making. Thus, they need to develop and apply skills in ethical reasoning and to gain an understanding of a variety of ways in which, across time and place, ethical issues and values frame and shape human conduct and ways of life.

- **Science, Technology, and Society (STS): 2.0 course credits.** Advances in science and technology have brought profound changes to the structure of society in the modern era. They have fundamentally changed the world, both its philosophical foundations, as in the Copernican or Darwinian revolutions, and in its practical everyday experience, as in the rise of the automobile and television. In the second half of the last century, the pace of such change has accelerated dramatically, science and technology play an even greater role in shaping the society of the future. If students are to be prepared to analyze and evaluate the scientific and technological issues that will confront them and to understand the world around them, they need exposure to basic scientific concepts and to the processes by which scientific and technological advances are made and incorporated into society. They must understand the interplay between science, technology, and society—that is, not only how science and technology have influenced the direction and development of society, but also how the needs of society have influenced the direction of science and technology.

The six required Modes of Inquiry also include Foreign Language, Writing, and Research.

- **Foreign Language (FL): 1.0 to 3.0 course credits in the same language, determined by level of proficiency.** Duke has set internationalization as an institutional priority to prepare students to live in an increasingly diverse and interdependent world. By developing proficiency in a foreign language, students can develop cross-cultural competency and become more successful members of their increasingly complex local, national, and international communities. Students should have an awareness of how language frames and structures understanding and effective communication. To satisfy the foreign language competency requirement students must complete one of the following:
  - For students who enter their language study at Duke at the intermediate level or above, and intend to complete the requirement in the same language:
    - Completion of a 300-level course that carries the FL designation is required. Therefore, students who place into the first semester of the intermediate level take three full courses, students who place into the second semester of the intermediate level take two full courses, and students who place into the 300 level take one course.
    - Russian requires an official written and oral proficiency examination at Duke for foreign language placement. Students who plan to continue studying any other language should consult with the director of undergraduate studies in that language or see the table "College Board Tests" here.
  - For students who begin the study of a foreign language at Duke at the elementary level (first or second semester) course and intend to complete the requirement in that language: The successful completion of three full sequential courses in the same language that carry the FL designation is required.

Students are encouraged to register for an FL designated course no later than the first semester of their sophomore year.

- **Writing (W): 3.0 course credits, including Writing 101 in the first year and two writing-intensive (W) courses in the disciplines, at least one of which must be taken after the first year.** Effective writing is central to both learning and communication. To function successfully in the world, students need to be able to write clearly and effectively. To accomplish this, they need to have a sustained engagement with writing throughout their undergraduate career. Thus, students must take at least 3.0 course credits’ worth of writing courses at Duke: a) Writing 101 in their first year and b) two writing-intensive courses (W) in the disciplines, at least one of which must be taken after their first year. Through the latter type of courses, students become familiar with the various modes and genres of writing used within an academic discipline, participate in multiple rounds of drafting and feedback, and learn how the conventions and expectations for writing differ among the disciplines.

- **Research (R): 2.0 course credits.** As a research university, Duke seeks to connect undergraduate education to the broad continuum of scholarship reflected in its faculty. Such a rich setting provides students with opportunities to become involved in a community of learning and to engage in the process of discovery that allows them to be active participants in the acquisition, critical evaluation, and application of knowledge. Engagement in research develops in students an understanding of the process by which new knowledge is created, organized, accessed, and synthesized. It also fosters a capacity for the critical evaluation of knowledge and the methods of discovery. This is important not only for undergraduates who wish to pursue further study at the graduate level, but also for those who seek employment in a rapidly changing and competitive marketplace. Students are required to complete 2.0 course credits’ worth of research exposures; one Research Independent Study (coded R) may be submitted for approval for the Writing in the disciplines (W) designation.

Advanced Placement credits, international placement credits, and prematriculation credits for college courses taken elsewhere before matriculation in the first-year class at Duke cannot satisfy Areas of Knowledge or Modes of Inquiry requirements.
Independent Study courses do not carry Areas of Knowledge or Modes of Inquiry designations, except for a research independent study course, which may carry the Research (R) designation. A maximum of one research independent study (coded R) may also count toward the requirement of writing-intensive courses (W) in the disciplines.

Transfer courses and interinstitutional courses may be considered for approval to satisfy Areas of Knowledge requirements.

**Small Group Learning Experiences**

During the first year: one full-course seminar (i.e., a 1.0-credit course, not partial credit courses). After the first year: a total of 2.0 course credits designated as seminars, tutorials, independent studies, and/or thesis courses. (The total may include partial credit courses.)

By supplementing the classroom and lecture methods of instruction, small group learning experience courses assure students have opportunities to engage in discussion, develop skills, refine judgment, and defend ideas when challenged. A seminar (indicated by the suffix S) is an independent course of twelve to fifteen (exceptionally to eighteen) students who, together with an instructor, engage in disciplined discussion. The number of meeting hours per term is the same as for regular courses of equivalent credit. A tutorial (indicated by the suffix T) is a group of one to five students and an instructor meeting for discussion which is independent of any other course. For independent study, students pursue their own interests in reading, research, and writing, but meet one-on-one with an instructor for guidance and discussion. See the section "Independent Study."

To meet the first-year seminar requirement, students who transfer to Duke with sophomore standing are required to meet the first-year seminar requirement. The first-year seminar requirement is waived for students who transfer to Trinity with sophomore standing, are required to complete a seminar by the end of their sophomore year at Duke or to submit documentation that they completed a seminar course at the college they attended previously.

While discussion sections (D) and preceptorials (P) do not satisfy the formal Small Group Learning Experience requirement in Trinity, they offer additional opportunities for students to participate in small classes. A discussion section, with an enrollment limit set by the individual department, is an integral part of a larger regular course, and every member of the class is enrolled. A preceptorial (P) is a group of usually no more than twelve students and an instructor in which discussion is the primary component; it is an additional and optional unit attached to a regular course involving one or more extra meetings per week. No additional course credit is given for discussion sections or preceptorials.

Instructors in all courses that satisfy the requirements for small group learning experiences, including independent study, must meet with the students at least once every two weeks during the spring/fall semesters and at least once every week during the summer terms. The requirements for small group learning experiences are listed under Program 1, above.

A course may carry up to two Areas of Knowledge and up to three Modes of Inquiry. A course may count toward only one Area of Knowledge, but toward multiple Modes of Inquiry.

**34.0 Course Credits**

There are specific requirements concerning course credits at Trinity College of Arts & Sciences. Thirty-four (34.0) course credits are required for graduation, at least twenty-four of which must be Duke-originated courses. Duke-originated courses are defined as courses taught by Duke or Duke-affiliated faculty, offered through Duke University, and subject to the approval processes of Duke's schools. Duke-originated courses include some Duke Kunshan University courses and the Duke-originated courses offered in Duke-In study abroad/away programs. The 34.0 course credits required for graduation are subject to limitations described elsewhere in this bulletin.

Of the 34.0 course credits required for graduation, a maximum of 2.0 course credits passed with a D grade (D, D+, D-) can be used toward the 34.0 course credits requirement. (Courses for which a D grade is earned do, however, satisfy all other requirements.) The 34.0 course credits may include:

1. no more than 1.0 course credit in physical education activity courses (i.e., two half-credit activity courses, including military science physical activity courses)
2. no more than 4.0 course credits in dance/American Dance Festival technique/performance courses (i.e., eight half-credit courses)
3. no more than 2.0 course credits in house courses (i.e., four half-credit courses)
4. no more than 4.0 course credits in military science
5. no more than 4.0 course credits electively taken on a Satisfactory/Unsatisfactory grading basis (not including courses offered only on that basis)
6. no more than four interinstitutional courses
7. no more than 6.0 course credits in graduate and professional school courses not listed in the Duke University Bulletin of Undergraduate Instruction. These courses include all courses offered by the schools of business, law, divinity, nursing, and all graduate courses numbered 700 and above. These courses are generally not open to undergraduates and require special permission to enroll. Independent Study may not be taken in a professional school, unless listed as a course in the Duke University Bulletin of Undergraduate Instruction or offered through a Trinity College of Arts & Sciences department or program. (See policies in the section Independent Study.)

For limitations on transfer credit and Advanced Placement credit, see the section “Entrance Credit and Placement,” the section “Transfer of Work Taken Elsewhere,” and the “Residence” section immediately below.

**Residence**
Undergraduates at Duke are expected to complete either the bachelor of arts or the bachelor of science degree in eight semesters of enrollment. This period may be extended for one semester by a student's academic dean for legitimate reasons. Very rarely, a student will be granted a tenth semester of study by an academic dean. Students are not permitted to complete more than ten undergraduate semesters at Duke.

For purposes of establishing the length of residence of a student admitted in transfer, the semesters completed at the institution previously attended are counted as semesters of residence at Duke.

For the minimum residence period, at least seventeen courses must be satisfactorily completed at Duke. If only seventeen courses are taken at Duke, they must include the student's last eight courses.

The Major
The requirements for majors in the department or program in which a student wishes to obtain a bachelor's degree are described after the course listings for each department or program.

Students are expected to acquire some mastery of a particular discipline or interdisciplinary area as well as to achieve a breadth of intellectual experience. They, therefore, complete a departmental major, a program major, or an interdepartmental major. Majors, including interdepartmental majors, are designed to give students breadth and depth in a particular discipline or interdisciplinary area. The courses required for majors are specified by the department or academic program, and include a progression from lower to upper level courses. Departmental and program majors require a minimum of ten courses; interdepartmental majors require a minimum of fourteen courses. The courses for a departmental major may include introductory or basic prerequisite courses and higher level courses in the major department or in the major department and related departments. The total number of courses that a department/program may require at any level in the major and related departments may not exceed 17.0 course credits for the bachelor of arts degree and 19.0 course credits for the bachelor of science degree. At least half the courses for a student's major field must be taken at Duke, although individual departments and programs offering majors may require that a greater proportion be taken at Duke. Although no more than two D grades can count toward the 34.0-course-credit requirement, courses in which D grades are earned satisfy major, minor, and certificate requirements. Students are responsible for meeting the requirements of a major as stated in the bulletin for the year in which they matriculated in Trinity College; however, they have the option of meeting requirements in the major changed subsequent to the students' matriculation. A student who declares and completes the requirements for two majors may have both listed on the official record. A maximum of two majors may be recorded on a student's record. See the page Declaration of Major for procedures on declaring a major.

Interdepartmental Major. A student may pursue an interdepartmental major in two Trinity College departments or programs that offer a major. The student works with an advisor in each department to adopt an existing interdepartmental major or to design a new one. The major must be approved by the directors of undergraduate studies in both departments who define a course of study covering core features of each discipline, such as theory, methodology, and research techniques. The criteria must include at least fourteen courses split evenly between the departments. At least four of the seven courses required by each department are to be taught within the department. All courses must be among those normally accepted for a major in the two departments. The directors of undergraduate studies in the two departments must agree to an initial list of courses that the student will take in the two departments and jointly approve any subsequent changes to that course of study. Students proposing an interdepartmental major must present a descriptive title for the major and a rationale for how the program of study will help them realize their intellectual goals. The academic dean for the interdepartmental Major must also give final approval for the proposal.

The directors of undergraduate studies in two Trinity College departments or programs that offer a major may also propose an interdepartmental major (IDM). The proposed IDM will define a course of study covering core features of each discipline, such as theory, methodology, and research techniques. Current active departmental IDMs and their dates of inception are as follows:

- Ancient Religion & Society — Classical Studies and Religious Studies (Fall 2018)
- Computational Media — Computer Science and Visual and Media Studies (Fall 2021)
- Data Science — Computer Science and Statistical Science (Fall 2018)
- Data Science — Computer Science and Mathematics (Fall 2020)
- Global Gender Studies — Gender, Sexuality, and Feminist Studies and International Comparative Studies (Fall 2020)
- Linguistics and Computer Science — Computer Science and Linguistics (Fall 2019)

Additional information about IDMs can be found at trinity.duke.edu/undergraduate/academic-policies/majors-minors-certificates-interdepartmental-major.

The Minor
Minors are available, though not required. They are described after the course listings for each department or program.

The courses required for a minor are specified by the department/academic program. Minors require a minimum of five courses. Further information about specific minors is available on their program pages in this bulletin. Students may not major and minor in the same department/program with the exception of four departments in which multiple majors or concentrations are possible: (1) Asian and Middle Eastern studies, (2) art, art history, and visual studies, (3) classical studies, and (4) romance studies. At least half the courses taken to satisfy a minor must be taken at Duke although individual departments may require that a greater proportion be taken at Duke.
Certificate Programs

A certificate program is a course of study that affords a distinctive, usually interdisciplinary, approach to a subject that is not available within any single academic unit. All certificate programs have a required introductory course as well as a required culminating capstone course. There are two versions of certificate programs: the traditional certificate, consisting primarily of academic coursework (minimum six courses), and the experiential certificate, consisting of a combination of coursework (minimum four courses) and immersive co-curricular experiences. Eligible undergraduates electing to satisfy the requirements of a traditional certificate program may use, for that purpose, no more than two courses that are also used to satisfy the requirements of any major, minor, or other certificate program; for experiential certificates, no more than one course may be used to satisfy the requirements of any other major, minor, or certificate program. Individual programs may prohibit such double counting or restrict it to one course. At least half the courses taken to satisfy a certificate must be taken at Duke, although individual programs may require that a greater proportion be taken at Duke. More complete descriptions of these certificate programs appear in the Programs section.

Restrictions on Majors, Minors, Certificates

A student must declare one major and may declare a second (although not a third) major. The combined number of majors, minors, and certificate programs may not exceed three. Thus, a student may declare as a maximum: two majors and either a minor or a certificate program; a major and two minors; a major and two certificate programs; or a major, a minor, and a certificate program.

Elective Courses

Advanced placement credits, international placement credits, and prematriculation credit for college courses taken elsewhere before entering the first-year class may function only as elective courses and do not satisfy general education requirements aside from counting toward the 34.0-course-credit requirement (with limitations). Elective courses taken after a student matriculates may or may not carry general education designations.

Degree Requirements

Program II: Trinity College of Arts & Sciences

Programs I and II provide a variety of approaches to obtaining a liberal arts education. Both programs lead to the bachelor of arts (AB) or bachelor of science (BS) degree, and both involve completing 34.0 course credits to satisfy the requirements for the degree.

Nature and Purpose

Students in Trinity College who believe that their intellectual interests and talents would be better served outside the regular curriculum options under Program I are encouraged to consider Program II. Students admitted into Program II follow individualized degree programs to explore a topic, question, or theme not available as a course of study within Program I. As degree candidates in Program II, students separate themselves from the requirements and options of Program I, including the requirement for a major and the options of multiple majors and minors.

Program II typically best serves the needs of students who find that their intellectual interests cross departmental boundaries or who perceive areas of learning in clusters other than those of the current departmental units of the university. Program II graduates have gone on to graduate and professional schools around the country and to satisfying positions in many areas of employment. They have won important awards, including Rhodes and Fulbright scholarships, and have received national recognition for career success. Among the many topics for Program II have been architectural design, bioethics, dramatic literacy, the epic in music and literature, planetary and evolutionary biology, and US national security. Full information is available on the Program II website at program2.duke.edu.

Admission

If interested in Program II, students should first attend an information session, and confer with the academic dean for Program II. Students will select a regular rank faculty advisor in one of the departments or programs of Trinity College; with approval of the director of undergraduate studies, that department or program will become the sponsor for the student. Application to Program II requires students to propose a topic, question, or theme for the degree program and to plan a special curriculum adapted to their interests and talents. The student and faculty advisor together assess the student's background, interests, and ambitions and evaluate the resources at the university, or outside it, to support those ambitions.

The curricular program proposed by a Program II candidate must address the student's specific interests and offer a coherent plan for learning rather than a sampler of interesting courses. It should incorporate the depth and breadth of study expected of a liberal education at Trinity College. This is achieved in Program II through carefully selected interdisciplinary coursework focused on the student's theme. Programs may be proposed for either the bachelor of arts or the bachelor of science degree; in the latter case, the sponsoring department must offer a Program I major within the BS degree option. The program must be approved by the sponsoring department or program and also by the committee on Program II of the Faculty Council of Arts and Sciences.

Upon endorsement by the Program II Committee, the program becomes an obligation assumed by the student. Until formally accepted into Program II, a student should register for courses to satisfy the curricular requirements for Program I. Students who withdraw from Program II for any reason assume all requirements of Program I. Students will be accepted into Program II only after their first year at Duke; they are ineligible for
admission after the midpoint of their junior year. Further information may be obtained from the Academic Advising Center and from the office of the academic dean responsible for Program II.

**General Requirements**

Apart from the requirements arising from the approved plan of work, a Program II student must satisfy certain general requirements to satisfy the requirements for the degree: 34.0 course credits for graduation; curricular breadth; the regulations on military science, house, professional school, and physical activity and dance courses; and residence, although the regulation relating to the last eight courses may be adjusted to suit the student's approved plan of work. Graduation with Distinction is available for qualified students in Program II. See the section Academic Recognition and Honors.

**Pratt School of Engineering Degree Requirements**

Duke University offers the Edmund T. Pratt Jr. School of Engineering programs of study which lead to the degree of bachelor of science in engineering. Five programs are accredited by the Engineering Accreditation Commission of ABET, abet.org. These programs are biomedical engineering, civil engineering, environmental engineering, electrical and computer engineering, and mechanical engineering. These accredited programs, as well as minors in energy engineering and electrical & computer engineering, and special programs of study in interdisciplinary fields, are offered by the departments of biomedical engineering, civil and environmental engineering, electrical and computer engineering, and mechanical engineering and materials science.

For graduation with a bachelor of science in engineering degree, a student must successfully complete a minimum of 34.0 course credits. These 34.0 course credits (c.c.) must include the following:

<table>
<thead>
<tr>
<th>GENERAL REQUIREMENTS*</th>
<th>1.0 c.c.</th>
<th>This requirement is met by completing Writing 101.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mathematics</td>
<td>5.0 c.c.</td>
<td>This requirement is typically met by completing Mathematics 111L, 112L, 218D-2, 219, and 353.**</td>
</tr>
<tr>
<td>Natural Science</td>
<td>3.0 c.c.</td>
<td>This requirement is met by completing Chemistry 101DL, Physics 151L and 152L***</td>
</tr>
<tr>
<td>Mathematics or Natural Science</td>
<td>1.0 c.c.</td>
<td>The department administering the major field of study will specify this requirement.</td>
</tr>
<tr>
<td>Humanities and Social Sciences</td>
<td>5.0 c.c.</td>
<td>This requirement is met by completion of five courses offered by Social Science and Humanities Departments in Trinity College. Three of the five courses must include three of the following four areas of knowledge: Arts, Literatures, and Performance (ALP), Civilizations (CZ), Foreign Languages (FL), and Social Sciences (SS). At least one course of the five must be classified SS. In order to provide depth in a subject matter, at least two courses must be selected from a single department and at least one of those courses must be 200-level or above. Courses selected must be those which present essential subject matter and substance of the discipline. No skill courses can be used to fulfill this requirement.****</td>
</tr>
<tr>
<td>Digital Computation</td>
<td>1.0 c.c.</td>
<td>Students are expected to have acquired digital-computer programming capability before their sophomore year. The programming capability may be satisfied by passing Engineering 103L.</td>
</tr>
<tr>
<td>Engineering and Applied Sciences</td>
<td>4.0 c.c.</td>
<td>This requirement is met by completion of one course from four of the following seven areas: digital systems, electrical science, information and computer science, mechanics (solid and fluid), materials science, systems analysis, and thermal science and transfer processes. The department administering the major field of study will specify this requirement.</td>
</tr>
<tr>
<td>Departmental Specifications</td>
<td>14.0 c.c.</td>
<td>The department administering the major field of study will specify this requirement. In general, it will consist of both required courses and electives to be planned in consultation with the departmental advisor. Including the 4.0 credits in engineering and applied sciences listed under general requirements, a minimum of 13.0 credits in engineering work are required. Individual departmental requirements can be found in the section “Pratt School of Engineering” on page 816.</td>
</tr>
<tr>
<td>Total Minimum Requirement</td>
<td>34.0 c.c.</td>
<td></td>
</tr>
</tbody>
</table>

Notes on the above table:

*Free electives are included in the 14.0 course credits listed under departmental requirements. Depending on the major, no more than 1.0 course credit in physical education activity and 1.0 course credit in music activity can be used to meet bachelor of science in engineering degree requirements. House courses may not be used to meet BSE requirements. A maximum of 2.0 course credits of junior or senior level air science, military science, or naval science coursework may be counted in satisfying the minimum requirements of 34.0 course credits for a BSE degree. These courses must be included in the 14.0 course credits listed under departmental requirements. All other courses completed in air, military, or naval science are taken in addition to the minimum program.
**Students placing out of any of these classes must take a suitable substitute. AP credit can be used as a substitute for Mathematics 111L and Mathematics 112L.**

***Students entering with AP, IPC, or PMC credits for both Physics 25 and 26 are required to take a Physics course after matriculation that is at or above the level of Physics 153L, or waive credit for Physics 26 and take Physics 152L, or waive both Physics prematriculation credits and take Physics 151L and Physics 152L.***

****A maximum of 2.0 courses that are either offered with mandatory S/U grading or are pre-matriculation credits may be used to meet humanities and social sciences requirements for the bachelor of science in engineering degree. Courses must be chosen from humanities and social science departments. Science and engineering courses with SS, CZ, FL, or ALP codes will not count toward this requirement unless they are cross-listed with humanities or social science courses. 200-level AP credits will not count toward satisfying depth in a humanities or social sciences subject area.****

**Residence Requirement**

At least 17.0 course credits must be completed satisfactorily at Duke. This must include the work of the final two semesters, with the following exceptions: the student who has completed more than four full semesters of work at Duke may take the last two courses elsewhere; others may take the last course elsewhere. The courses taken elsewhere must be approved in advance by the student’s major advisor and academic dean.

**Grade Requirement for Graduation**

Of the 34.0 course credits which fulfill the specified categories in the bachelor of science in engineering degree requirements, thirty-two (32.0) or their equivalent in number must be passed with grades of S, C, or better.

**The Pratt First-Year Curriculum**

The first year of study in the Pratt School of Engineering is largely common to all engineering students, with seven of the eight first-year courses being required by all engineering majors. The first-year curriculum offers:

- a general education in the fundamentals of mathematics, physics, and chemistry, on which the science and practice of engineering are based;
- instruction in modern engineering problem solving skills, including the use of digital technology for both computational and laboratory applications; and
- the opportunity to explore intellectual opportunities at Trinity College, through satisfaction with the university writing requirement.

Students predisposed toward a particular Pratt major use the eighth course to begin fulfilling degree requirements for that major as indicated below, while undecided students are encouraged to use this eighth course to aid in their subsequent selection of a major. The general layout for the curriculum is as follows (assuming no AP credit and Writing permission for the second semester):

<table>
<thead>
<tr>
<th>FIRST SEMESTER</th>
<th>COURSES</th>
<th>SECOND SEMESTER</th>
<th>COURSES</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mathematics 111L</td>
<td>1.0</td>
<td>Mathematics 112L</td>
<td>1.0</td>
</tr>
<tr>
<td>Chemistry 101DL</td>
<td>1.0</td>
<td>Physics 151L</td>
<td>1.0</td>
</tr>
<tr>
<td>Engineering 103L</td>
<td>1.0</td>
<td>Writing 101</td>
<td>1.0</td>
</tr>
<tr>
<td>Engineering 101L</td>
<td>1.0</td>
<td>Technical Course</td>
<td>1.0</td>
</tr>
<tr>
<td>Total</td>
<td>4.0-4.5</td>
<td>Total</td>
<td>4.0-4.5</td>
</tr>
</tbody>
</table>

In the event that prematriculation credit is granted for one or more of the above courses, substitutions of upper level technical requirements can be made or other curricular interests may be pursued (including first-year Focus Programs or initiation of a Trinity second major, minor, or certificate program).

The first-year technical course should be selected according to the student’s intended major:

<table>
<thead>
<tr>
<th>INTENDED MAJOR</th>
<th>SUGGESTED TECHNICAL COURSE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Biomedical Engineering</td>
<td>Biology 201L</td>
</tr>
<tr>
<td>Civil Engineering</td>
<td>Civil and Environmental Engineering 132L</td>
</tr>
<tr>
<td>Electrical and Computer Engineering</td>
<td>Electrical and Computer Engineering 110L</td>
</tr>
<tr>
<td>Environmental Engineering</td>
<td>Civil and Environmental Engineering 132L</td>
</tr>
<tr>
<td>Mechanical Engineering</td>
<td>Engineering 121L</td>
</tr>
<tr>
<td>Undecided</td>
<td>Select from all above</td>
</tr>
</tbody>
</table>

**Second Major**

If an engineering student completes simultaneously the requirements for a departmental major in arts and sciences and the requirements for a bachelor of science in engineering degree, or satisfies simultaneously the requirements for two engineering majors, the official record will indicate this fact.
The director of undergraduate study for each major must certify that all major requirements have been met. In Pratt, each major must identify at least nine technical courses fundamental to the discipline of that major that are different from those of other majors. Each major must have at least five of these technical courses fundamental to the discipline that are not used to satisfy the requirements of the other major (free electives excluded). Any of the other fundamental courses may be counted for both majors if the directors of undergraduate study agree they have equivalent technical content. The remaining requirements for each major may be satisfied by taking additional courses associated with the approved academic unit, cross-listed courses, or upon agreement of the directors of undergraduate study, other courses with approved content.

The student must initiate the procedure, by completing a Declaration of Major form (online) in which the second major is declared. It is highly recommended that the student meet with the director of undergraduate studies in the second major to review the requirements for that major. The completion of the requirements for the major in this department must be confirmed no later than the time of registration for the final semester.

Minors
Two engineering minors are offered at the Pratt School of Engineering. The energy engineering minor is only open to students with an engineering major. The electrical and computer engineering minor is open to engineering and non-engineering majors. More information can be found on the program pages for these minors.

A minimum of five technical courses are required for a minor. Courses that are used to fulfill the student’s primary major are excluded from the additional courses counted for the minor; this exclusion also applies to courses with content substantially equivalent to courses in the student’s primary major. As an exception, at most one upper-level elective course cross-listed with the student’s primary major may be counted toward the minor.

If the minor area of study does not otherwise exist as a primary major, then the five technical courses counted for the minor are excluded from courses used to fulfill the student’s major; this exclusion also applies to courses with content substantially equivalent to courses in the student’s major. As an exception, at most one upper-level elective course cross-listed with the student’s primary major may count toward the minor if topically relevant. At least three of the minor courses must be upper-level courses.

For all minors, introductory-level courses intended as an early educational experience may not be used to fulfill the minor requirement, unless such courses contain substantial technical content that is a prerequisite for later courses, and that material is not otherwise covered in the student’s primary major. No more than one semester of independent study, supervised by an advisor in the unit offering the minor, may be used for the minimum five-course minor requirement.

IDEAS (Interdisciplinary Engineering & Applied Science) Program
Non-ABET-accredited majors that are interdisciplinary in scope and include engineering and applied science are available. These majors are proposed by the student, approved by a faculty committee, and result in a bachelor of science in engineering degree. Programs with a broad foundation in the engineering sciences also may be developed under this program by those who intend to enter non-engineering professions. Although not individually accredited, these programs satisfy the national general engineering accreditation criteria.

Any student, in consultation with their advisor or another faculty member, may propose a unique combination of courses designed to meet particular career objectives. A proposal must be submitted to the associate dean of Pratt School of Engineering and the Engineering Faculty Council for approval; it may be submitted as early as the second semester of the first year and must be submitted before the beginning of the senior year. The proposal must include a letter stating the students’ reasons for pursuing the suggested program of study.

Certificate Programs in Engineering
Two certificate programs are offered only to students enrolled in the Pratt School of Engineering. These certificates are the aerospace engineering certificate and the architectural engineering certificate. The aerospace engineering certificate is intended to educate students in the engineering principles related to the conceptualization, design, analysis, and performance of aerospace vehicles and systems. The objective of the architectural engineering certificate is to provide students with an understanding of the design elements of buildings and construction processes.

Bachelor of Science in Engineering/Master of Science Program
This 4+1 program provides students with an opportunity to plan a coordinated five-year program of studies in the Pratt School of Engineering leading to both the bachelor of science in engineering and master of science degrees. Application for admission to this integrated program may be made during the senior year. Provisional admission to The Graduate School may be granted when the student enrolls for the semester during which the bachelor of science in engineering degree requirements will be completed. Graduate-level courses during this period which are in excess of bachelor of science in engineering requirements may be credited toward fulfillment of the master of science degree requirements.

Bachelor of Science in Engineering/Master of Engineering Program
This 4+1 program provides students with an opportunity to plan a coordinated five-year program of studies in the Pratt School of Engineering leading to both the bachelor of science in engineering and master of engineering degrees. Application for admission to this program may be made as early as the spring of the junior year or as late as the spring of the senior year. Although admitted to the master of engineering program while
undergraduates, 4+1 students will remain in undergraduate status for four years and will become a master of engineering students in the fifth year. Graduate-level credits, where a grade of B or better was earned and which are in excess of the bachelor of science in engineering requirements, may be transferred toward fulfillment of the master of engineering degree requirements.

**Bachelor of Science/Master of Engineering Management**

This 4+1 program provides students with an opportunity to plan a coordinated five-year program of studies in the Pratt School of Engineering leading to both the bachelor of science in engineering and master of engineering management degrees. This program offers engineering students exposure to both business and law as well as advanced engineering and requires completion of an engineering internship, four graduate-level engineering courses, three business courses, and one law course. Specific program requirements and application forms may be obtained from the master of engineering management program office in The Wilkinson Center for Engineering Management, 3120 Fitzpatrick Center (CIEMAS).

**Pratt-Specific Academic Policies**

Some of the academic policies described in the next chapter will differ for Pratt students relative to their counterparts enrolled in the Trinity College of Arts & Sciences. In particular, the following policies vary slightly between undergraduate schools:

- Forfeiture of Precollege Credit
- Work Taken After Matriculation at Duke
- Repetition of Courses
- Declaration of Major Annual Continuation Requirements

**Combination Programs of Trinity College and Duke Professional Schools**

There are programs available that allow a student to combine the undergraduate experience with the beginning of a second degree. The format and length of the program and how it dovetails with undergraduate work varies across programs.

A student interested in attending the Nicholas School of the Environment may (upon meeting certain requirements), combine their senior year in Trinity College of Arts & Sciences with the first year in the professional school. This is known as the Nicholas School 3/2 Program. To qualify the student must:

1. successfully complete 26.0 course credits in Trinity College
2. fulfill all degree requirements in Trinity College except for eight elective courses
3. obtain approval from the appropriate liaison Academic Dean at Trinity College
4. be admitted to the professional school

If the student's application to the professional school is accepted, the student essentially takes a leave of absence from Trinity College to enroll in the professional school for what would have been the fourth year of undergraduate study and the student begins work on the professional degree. Upon successful completion of the work in the first year of the professional school, the baccalaureate degree is awarded to the student. The undergraduate record notes the student's enrollment in the combination program, the name of the professional school, the date of graduation from Trinity College, and the undergraduate degree awarded. However, it does not include courses taken in the professional school. Please contact Dean Claire Siburt (cps7@duke.edu) for questions regarding the Nicholas School 3/2 Program.

**Grading and Grade Requirements**

Final grades on academic work are provided to students via DukeHub after the examinations at the end of each term. Midterm advisory grades for first-year students are issued in the fall and spring and are provided to students via DukeHub.

**Passing Grades**

These grades (except S) may be modified by a plus or minus. A Z grade may be assigned for the satisfactory completion of the first term of a two-course sequence, and the final grade for both courses is assigned at the end of the second course of the sequence.

Although the D grade represents a low pass, no more than two courses passed with D grades may be counted among those required for year-to-year continuation or among the 34.0 course credits required for graduation. Courses for which a D grade is earned, however, satisfy other requirements. For information on repeating a course with a D grade, see the section Course Load and Eligibility for Courses.

**Failing and Unsatisfactory Grades**

A grade of F or U (see Satisfactory/Unsatisfactory grading system below) indicates that the student has failed to meet the requirements for the course. The grade is recorded on the student's record. If the student registers for the course again, a second entry of the course and the new grade earned is made on the record, but the first entry is not removed. All grades that appear on the record, with the exception of S and U, are included in the calculation of the cumulative grade point average.
Grade Point Average

The grade point average is based on grades earned in courses offering credit at Duke and may be calculated based on the following numerical equivalencies to the grading system:

<table>
<thead>
<tr>
<th>Letter Grade</th>
<th>Numerical Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>A+</td>
<td>4.0</td>
</tr>
<tr>
<td>A</td>
<td>4.0</td>
</tr>
<tr>
<td>A-</td>
<td>3.7</td>
</tr>
<tr>
<td>B+</td>
<td>3.3</td>
</tr>
<tr>
<td>B</td>
<td>3.0</td>
</tr>
<tr>
<td>B-</td>
<td>2.7</td>
</tr>
<tr>
<td>C+</td>
<td>2.3</td>
</tr>
<tr>
<td>C</td>
<td>2.0</td>
</tr>
<tr>
<td>C-</td>
<td>1.7</td>
</tr>
<tr>
<td>D+</td>
<td>1.3</td>
</tr>
<tr>
<td>D</td>
<td>1.0</td>
</tr>
<tr>
<td>D-</td>
<td>1.0</td>
</tr>
<tr>
<td>F</td>
<td>0</td>
</tr>
</tbody>
</table>

With Satisfactory/Unsatisfactory courses, neither S nor U are calculated into the grade point average. The semester and cumulative grade point averages are determined at the end of each semester and displayed for students on the academic history reports made available to them via DukeHub.

Satisfactory/Unsatisfactory Grading System

With the consent of the instructor and academic dean, a student may register for grading on a Satisfactory/Unsatisfactory (S/U) basis in one course each semester and summer session, although only four courses taken on this basis may be counted toward the 34.0 course credits required for graduation. The limit of four does not apply to courses that are designated as mandatory S/U grading basis. A grade of S will be awarded if the student has earned the equivalent of a letter grade of C- or better, while a U will be awarded for the equivalent of a D+ or worse grade. Neither an S nor a U will be factored into the grade point average. Students who receive a U will receive no credit for the course and will be ineligible for Dean’s List in that semester.

Students who receive an S will receive credit towards general education requirements, including curriculum codes, and the course will count toward the requirement for 34.0 course credits and continuation requirements. No other degree requirements (major, minor, certificate, including prerequisites) may be met by a course passed under the S/U option, unless by permission of the director of undergraduate studies of the department or program. Taking a course on the S/U basis may make one ineligible for the Dean’s List (see the section on Academic Recognition and Honors). Students studying abroad or on domestic study away programs may not receive credit for courses taken on an S/U or Pass/Fail basis.

Students who wish to take a course on an S/U basis must obtain permission from the instructor and their academic dean. Students must enroll in a course on a graded basis and may be allowed to switch to an S/U basis before the deadline by filing a request with the Office of the University Registrar. Students are advised to wait to switch to S/U grading until they are certain. An S grade earned in a course may not be converted subsequently to a letter grade, and the course may not be retaken.

Students who, via accommodation by the Student Disabilities Access Office (SDAO), register for 3.0 course credits per semester may take a maximum of one S/U course per semester.

Effects of Incomplete Work

For purposes of determining satisfactory progress each term and toward graduation, incomplete work in a course indicated by a grade of I or X is not presumed to be satisfactory performance in that course. Furthermore, an incomplete (I grade) or X grade during the academic year cancels eligibility for semester honors in the term the I or X grade was issued; i.e., Dean’s List and Dean’s List with Distinction. See the section Incomplete Coursework.

The W and WA Designations

The designation W is recorded when a student officially withdraws from a course after the Drop/Add period. (See the section Course Changes after Classes Begin in the Fall and Spring Terms on Registration & Courses.) WA indicates withdrawal from an audited course.

Grading and Grade Requirements

Academic Recognition and Honors

In determining a student’s eligibility for academic recognition and honors, only grades earned in Duke courses, including those earned in Duke Study Abroad programs and courses covered by the interinstitutional agreement are considered.

Dean’s List accords recognition of academic excellence achieved during each semester. To be eligible for this honor, undergraduates in Trinity College of Arts & Sciences must earn a grade point average for a semester that places them in the highest third of undergraduates in their respective college and in addition must (1) complete at least 4.0 course credits, including at most two academic half courses (excluding dance performance/technique, physical education activity, music activity, and house courses) for a regularly assigned grade (i.e., no
Satisfactory/unsatisfactory courses; and (2) receive no incomplete or failing grades. Undergraduates who in addition earn semester grade point averages that place them in the highest ten percent of undergraduates in their respective college will receive the Dean’s List with Distinction honor, while the remainder of those placing in the highest one third will receive the Dean’s List honor as noted above.

In the Pratt School of Engineering, undergraduates must earn a grade point average placing them in the highest one third of their class and in addition must: (1) complete at least 4.0 course credits, including at most two academic half courses (excluding dance performance/technique, physical education activity, music activity, and house courses) for a regularly assigned grade (i.e., no Satisfactory/Unsatisfactory courses); and (2) receive no incomplete or failing grades. Undergraduates who in addition earn grade point averages that place them in the highest ten percent of their class also will receive the Dean’s List with Distinction honor, while the remainder of those placing in the highest one third will receive the Dean’s List honor as noted above.

**Graduation with Distinction** accords recognition to students who achieve excellence in their major area of study as determined by the departments and who demonstrate excellence on the basis of a thesis or other substantive scholarly project not anchored in a major but rather in a certificate program, a minor, or any other elective field of study. In Trinity College all academic units offering a major have eligibility requirements and procedures leading to Graduation with Distinction, as does Program II. Some may offer a double honors option, that is, honors in two academic units for a single thesis, though this is expressly precluded in the case of students pursuing Graduation with Distinction based on a project not associated with a major. Graduation with Distinction is separate and distinct from Latin Honors (see below). Interested students should consult the relevant directors of undergraduate study or Program II dean for information about specific requirements of and eligibility for Graduation with Distinction. In general, students seeking to graduate with distinction will participate during their junior and/or senior years in a seminar and/or a directed course of reading, laboratory research, or independent study that results in substantive written work. Each student’s overall achievement in the major or Program II, including the written work, is assessed by a faculty committee. Graduation with Distinction may be awarded at one of three levels: highest distinction, high distinction, or distinction, though not all academic units offer all levels.

In the Pratt School of Engineering, students in biomedical engineering, civil and environmental engineering, electrical and computer engineering, and mechanical engineering must have a 3.5 grade point average and complete a significant independent study project during their senior year. The results of the research project must be summarized in a formal written report and defended in an oral presentation before a committee of faculty members. Departmental requirements for an oral presentation and written report may vary.

**Latin Honors by Overall Academic Achievement** accords recognition for academic excellence achieved over the duration of an entire undergraduate career. The Latin Honors program recognizes academic excellence achieved over the duration of an entire undergraduate career. Unlike the Dean’s List honor, which recognizes academic excellence achieved over the short term (one semester), eligibility for the three categories of Latin Honors (summa cum laude, magna cum laude, and cum laude) is based on the cumulative grade point average for all coursework at Duke. The bachelor’s degree will be awarded summa cum laude to no more than the top five percent of the graduating class; it will be awarded magna cum laude to no more than the next ten percent of the graduating class; and it will be awarded cum laude to no more than the next ten percent of the graduating class. Thus, about 25 percent of each graduating class will receive Latin Honors. Latin honors cutoffs are based on the spring academic term for spring graduates, or the preceding spring academic term for summer and fall graduates.

**Other Honors**

Trinity College of Arts & Sciences and the Pratt School of Engineering officially recognize the following national academic honor societies, each of which has a long and distinguished reputation at Duke and throughout the United States. Because the past several years have seen a proliferation of academic societies in America, undergraduates at Duke should be careful to scrutinize invitations to join national honor societies with which they are unfamiliar.

**Phi Beta Kappa**

Phi Beta Kappa, the national academic honor society founded at William and Mary on December 5, 1776, elects undergraduate students in Trinity College and the Pratt School of Engineering each spring. Eligibility for election is determined not by the university but by the bylaws of the local chapter (Beta of North Carolina) on the basis of outstanding academic achievement and good moral character. Reviews of the academic record of all prospective candidates are conducted in the junior and senior years as well as up to one year after graduation. The academic record must not contain an unresolved incomplete (I). For early election, students must have completed at least eighteen but fewer than twenty-four graded courses taken at Duke. Regular election requires at least twenty-four graded courses taken at Duke. Those who have earned their undergraduate degree at Duke will be considered for deferred election in the first spring after they have received their degree; deferred election also considers those who have graduated magna cum laude and who have been awarded Graduation with Distinction in their first or second major. Additional information is available on the Office of University Scholars and Fellows website at undergrad.duke.edu/office-university-scholars-fellows. The total number of persons elected annually is limited by chapter bylaw to no more than one percent of the graduating class, of whom no more than one percent can be selected by early election. Eligibility requires a course of study with a breadth that characterizes a liberal education. The Program I curriculum meets those expectations; Program II and engineering students must demonstrate comparable breadth in order to be eligible. Inquiries concerning distribution requirements for students in the Pratt School of Engineering should be directed to Professor Michael Gustafson, Department of Electrical and Computer Engineering. All other inquiries may be directed to the Secretary of Phi Beta Kappa, care of The Office of University Scholars and Fellows at phi-beta-kappa@duke.edu.

**Tau Beta Pi**
Duke University

Elections to the national engineering honor society, Tau Beta Pi, are held in the fall and spring. Eligibility is determined on the basis of distinguished scholarship and exemplary character. Engineering students whose academic standing is in the upper eighth of the junior class or the upper fifth of the senior class have earned consideration by their local chapter.

Grading and Grade Requirements

Incomplete Coursework

If, because of illness, emergency, or reasonable cause, a student cannot complete work for a course, the student may request in writing to their academic dean the assignment of an I (incomplete) for the course. (Forms are available at trinity.duke.edu/undergraduate/academic-policies/courses-incomplete-course-work; Pratt students must see their Academic Dean for a form.) If the request is approved by the instructor in the course and by the student's academic dean, then the student must satisfactorily complete the work by the last class day of the fifth week of the subsequent regular semester except when an earlier deadline has been established by the instructor or the academic dean. An earlier deadline will be established when there is a question of the student's ability to meet continuation requirements, or the professor decides an earlier deadline date is appropriate. If an I is assigned in the fall, spring, or summer terms, these terms must be resolved in the succeeding spring or fall term, respectively. If the I is not completed by the deadline, it will convert to an F grade. If a student whose work is incomplete is also absent from the final examination, an X is assigned for the course (see below). A student not enrolled in the university or studying away during the semester following receipt of an I or X will have until the end of the fifth week of classes of the next semester (fall or spring) of matriculation to clear the I or X unless an earlier due date is established by the instructor and/or the academic dean. Students may not complete work in a course after graduation. Once recorded, a notation of the I or X will remain permanently on the student's record, even after the final grade is assigned for the course. In addition, an I or X cancels eligibility for Dean's List and Dean's List with Distinction. Finally, students who receive an I or X during a semester in which they experience a voluntary or involuntary separation from Duke may, at the discretion of their academic dean, be required to complete the outstanding work prior to returning to school.

Final Examinations and Excused Absences

The times and places of final examinations for the fall and spring terms are officially scheduled by the University Schedule Committee, generally according to the day and hour of the regular course meeting; changes may not be made to the schedule without the approval of the committee. If a final examination is to be given in a course, it will be given at the time scheduled by the University Schedule Committee. Take-home examinations are due at the regularly scheduled hour of an examination, based on the time period of the class. In courses in which final examinations are not scheduled, an exam that substitutes for a final examination may not be given in the last week of classes. Hourly tests may be given in the last week of classes, whether or not a final examination is administered during the exam period. In the summer session, final examinations are held on the last two days of each term and may not be scheduled within the last three days before the examination period. Final examinations for short courses are held on the last day of the course.

No, later than the end of the first week of classes of the fall and spring terms, the instructor is required to announce plans for the final examination exercise. Unless departmental policy stipulates otherwise, the form of the final exercise is determined by the instructor. However, a final written examination may not exceed three hours in length and a final take-home examination may not require more than three hours in the actual writing.

If a student is absent from a final examination, an X is given instead of a final grade unless the student's grade in the class is failing, in which case the instructor may submit an F. The student must present an acceptable explanation for the absence to the appropriate academic dean within forty-eight hours after the scheduled time of the examination. Because end-of-term travel arrangements are not the basis for changing a final examination, students are advised to consult the final examination schedule when making such arrangements. Deferral of a final examination will not be authorized by the academic dean if it is ascertained that the student has a history of excessive absences or failure to complete coursework in a timely fashion in the course in question. The X is converted to an F if the academic dean does not approve the absence. If the absence is excused by an academic dean, the student arranges with the dean and the instructor for a makeup examination to be given at the earliest possible time. It should be noted that uncleared grades of X may have significant ramifications regarding continuation in the university. An excused X not cleared by the end of the fifth week of the following semester is converted to an F. Once recorded, a notation of the X will remain permanently on the student's record, even after the final grade is assigned for the course. A student not enrolled in the university or studying away during that following semester has until the end of the fifth week of the next semester of enrollment to clear the X unless an earlier deadline has been established by the instructor and/or the academic dean.

Grading and Grade Requirements

Multiple Submissions of a Term Paper

Students who wish (under unusual circumstances) to submit a single paper for credit in more than one course must receive prior written permission from each course instructor. The student must indicate the multiple submission on the title page of the paper.

Graduation

Notification of Intention to Graduate
The Diploma Form submitted by students in Trinity College of Arts & Sciences and Pratt School of Engineering is an official notification that they expect to have completed all requirements for the degree and to receive the diploma on a particular graduation date. They will be confirmed for that specific graduation if basic requirements, i.e., general education and one major, have been completed. Duke confers only one undergraduate degree to a student, that which is confirmed by the department of the first major. Students wishing to change expected graduation terms to complete additional requirements for second majors, minors, or certificates, must notify their academic deans by the end of the final exam period. It is the responsibility of students to submit the form on or before established deadlines. For students in Trinity College and Pratt School of Engineering, information regarding the location and date of availability of the online diploma form is sent to prospective graduates at their Duke email address.

Graduation and Commencement
Commencement exercises are held once a year in May when degrees are conferred upon and diplomas are issued to those who have completed degree requirements by the end of the spring term. Students who complete requirements by the end of the summer term or by the end of the fall term receive diplomas dated September 1 and December 30, respectively. Students who are within 5.0 course credits of graduation at the end of the spring term may request to participate in the annual commencement exercises.

Registration
Students are expected to register at specified times for each successive term. Prior to registration, each student receives instructions via email. Students prepare a course program via DukeHub and discuss it at a scheduled time with their advisor. The advisor must approve the schedule and mark the student eligible to enroll for the term prior to registration.

Students who expect to obtain certification to teach in secondary and elementary schools should consult an advisor in the education program prior to each registration period to ensure that they are meeting requirements for state certification and that they will have places reserved for them in the student teaching program.

Those who register late are subject to a $50 late registration fee. In the case of students enrolled in continuing education, late fees are assessed after the first day of classes. Students who fail to register for the fall or spring semester are administratively withdrawn and must apply for readmission if they wish to return. Those students who have not paid any fees owed to or fines imposed by the university (such as laboratory fees, library fines, and parking fines) by the date specified for registration for the following term will not be permitted to register for the following term until such fees and fines have been paid in full, notwithstanding the fact that the student may have paid in full the tuition for the following term.

Students planning to register for a course under the interinstitutional agreement must have the course approved by the appropriate director of undergraduate studies and their academic dean. Further information about registration procedures may be obtained from the Office of the University Registrar, and at its website at registrar.duke.edu.

Concurrent Enrollment
A student enrolled at Duke may not enroll concurrently in any other school or college. See, however, the statement regarding the reciprocal agreement with The University of North Carolina at Chapel Hill, North Carolina Central University, North Carolina State University, The University of North Carolina at Charlotte, and The University of North Carolina at Greensboro in the Duke University Bulletin. Students participating in one of Duke’s domestic exchange programs may not concurrently enroll in another university under the interinstitutional agreement.

Course Changes after Classes Begin
Fall and Spring Terms. During the Drop/Add period, changes may be made in course schedules through DukeHub. Students may drop and add courses during the first week of classes in the fall and spring terms at their discretion; during the second week of the semester they may drop courses at their discretion, but a permission number provided by the appropriate instructor or department is required for adding a course. After the Drop/Add period, no course may be added; also, a course may not be changed to or from the audit basis.

Students have until the withdrawal deadline (usually set four weeks before the end of courses) to request to switch a course to a Satisfactory/Unsatisfactory grading basis by filing a request with their academic dean. Once approved by their academic dean, this decision will not be reversed. An "S" grade earned in a course may not be converted subsequently to a letter grade, and the course may not be retaken.

To withdraw from a course, students must obtain permission from their academic dean. After the Drop/Add period, students permitted to withdraw receive a designation of W on their academic record. Coursework discontinued without the dean’s permission will result in a grade of F. When students note errors in their course schedules, they should immediately consult with their academic deans during the schedule correction period that occurs immediately after Drop/Add ends.

Summer Terms. Courses may be added before or during the first three days of the term. After the third day of the term, no course may be added. Prior to the first day of the term, students may drop a course or courses for which they have registered without penalty. With the permission of the academic dean, students with compelling reasons may withdraw from a course through the twentieth day of a regular term (sixteenth day at the Marine Laboratory); and a designation of W will be recorded on their academic record. Coursework discontinued without the approval of the dean will result in a grade of F. (See also the section beginning "Because Duke University participates in the Title IV federal aid programs..." in Refund Policy.)
Course Load and Eligibility for Courses

Students are reminded that it is their responsibility to be certain that their course load conforms with academic requirements. In fall and spring terms, students must enroll in at least 4.0 course credits. In their first semester, students are limited to a maximum of 4.5 course credits, 4.0 of which must be in full-credit courses. After their first semester, students can enroll in a maximum of 5.5 course credits per semester without special permission from their academic dean. With permission of their academic dean, a student can enroll in a maximum of 6.0 course credits. During the same period, students in the Pratt School of Engineering may register for up to 5.0 course credits, and up to 5.5 or 6.0 course credits with the approval of their academic dean. In no case will students be allowed to register for more than 6.0 course credits. Students should note that an additional 2.0 course credits are needed beyond the standard four courses for eight semesters in order to earn 34.0 course credits required for graduation.

Students may make a request to their academic dean to be in an underload (defined as a course load between 3.0 and 3.75 course credits) twice during their time at Duke. That is, the number of semesters a student may be in an underload may not exceed two semesters. Seniors may request an underload, including part-time status, for the last semester (see the section Full-Time and Part-Time Degree Status on the page Changes in Status). Students must be enrolled in at least 3.0 course credits per semester in order to be considered full-time status for loan deferment and athletic eligibility purposes.

The maximum course program for any session of the summer term is two courses, one of which may be a laboratory course. Students at Pratt School of Engineering may enroll in two laboratory courses. With permission of their academic dean, a student may enroll in an additional 0.25 or 0.5 credit course provided that it is a physical education activity or technique/performance activity course.

Eligibility for Courses

The rules established by The Graduate School provide that sophomores who have declared a major, juniors, and seniors may enroll in a 500- to 600-level (graduate-level, open to advanced undergraduates) course. Undeclared sophomores wishing to enroll in a 500- to 600-level course must secure the permission of the instructor of the course and their academic dean. Undergraduates are normally not allowed to enroll in 700-900-level courses. Under exceptional circumstances, however, permission to do so may be granted to a junior or senior, provided the instructor, the director of graduate studies, their academic dean, and the dean of The Graduate School give their signed permission.

Students are responsible for ensuring that they have the stated prerequisites for a course. DukeHub prevents registration for some, but not all, courses when the prerequisite is not fulfilled. Students must check the course description to determine if they have taken the necessary prerequisites before enrolling in the course.

In certain subjects, such as the sciences, mathematics, and foreign languages (particularly at the introductory and intermediate levels), some lower-level courses must be taken in sequence because the content presented at one level is necessary for successful work at the next level. Given this circumstance, it follows that students who complete a higher-level course in a sequence may not subsequently enroll in a lower one in that sequence. Information about course eligibility is often contained in the official description of the course (see the Courses page). Students may direct additional questions about course sequencing to their academic dean or to the director of undergraduate studies of the department in question.

Students may not register for two courses officially listed as meeting at the same time or overlapping times. No course may be repeated for credit or a grade if a C- or higher has been earned previously, except where noted in the course description. Furthermore, a course taken at another institution with a grade of C- or above and not transferred to Duke may not be repeated at Duke. If it is determined such a course has been taken elsewhere and repeated at Duke, the Duke course will be removed from the academic record. A course previously passed at another educational institution, however, may be audited at Duke. Physical education activity courses may be repeated, but only one full credit of these courses counts toward graduation.

Students who receive a D-, D, or D+ in any course in Trinity College are allowed to repeat the course only at Duke and with the permission of their academic dean. The original grade, as well as the grade earned in the repeated course, appear on the transcript, the latter identified as a repeat; both grades count in the grade point average, but the credit for only one counts toward the required number of courses for continuation and the 34.0 course credits required for graduation. Course repeat request forms are available online at trinity.duke.edu/undergraduate/academic-policies/repeat-course.

Students who audit a course are not required to submit daily work or take examinations, but are expected to attend class sessions. They do not receive credit for the course. With the written consent of the instructor, a full-time degree student is allowed to audit one or more courses in addition to the normal program. Students must register for audit courses by submitting a signed permission note from the instructor to the Office of the University Registrar. The prohibition against registering for two courses meeting at the same time applies. After the Drop/Add period in any term, no student classified as an auditor in a particular course may take the course for credit, and no student taking a course for credit may be
reclassified as an auditor. Physical education activity, studio art, applied music, and dance technique/performance courses may not be audited. In the fall or spring term, a part-time degree student may audit courses by payment for each course audited. A student in a summer term carrying less than a full program for credit may secure permission to audit (above exceptions apply) but is required to pay an audit fee for the course. A student may not repeat for credit any course previously audited. Undergraduates who have been dismissed, suspended, or placed on a leave of absence may not audit or enroll in a course for credit at Duke.

Courses may be audited by faculty members, staff, alumni, employees, and their spouses, as well as spouses of currently enrolled students, members of the Osher Lifelong Learning Institute at Duke, and other members of the Triangle community. Undergraduates who are currently separated from Duke for any reason, may not audit or enroll in courses through the Office of Continuing Studies. Formal application is not necessary; written permission from the instructor must be obtained and an approval form must be signed by the director of the Office of Continuing Studies. Additional information about auditing by community members can be found at learnmore.duke.edu/academics/auditing.

Independent Study

Independent study enables a student to pursue course credit and individual interests under the supervision of a faculty member. Independent study is of two types: Independent Study (non-research) and Research Independent Study. Both require approval of the instructor involved as well as the director of undergraduate studies in the relevant department or program; student-faculty meetings at least once every two weeks during the fall or spring semester and once each week during the summer semester; completion of a final product to be completed during the semester for which a student is registered for the course; and evaluation by the instructor of the work, including the final product, associated with the independent study. The independent study form is available at trinity.duke.edu/undergraduate/academic-policies/independent-study.

Courses entitled Independent Study are individual non-research directed study in a field of special interest on a previously approved topic taken under the supervision of a faculty member and resulting in an academic and/or artistic product. Such independent study courses do not bear a Research (R) code and do not satisfy any general education requirement aside from the 34.0-course-credit requirement. Courses entitled Research Independent Study are individual research in a field of special interest under the supervision of a faculty member; the central goal of which is a substantive paper or written report containing significant analysis and interpretation of a previously approved topic. Such research independent study courses bear a Research (R) code and satisfy general education Research requirements. One research independent study may be submitted and approved for a Writing (W) code in addition to the R code designation, but no other curriculum code designations are permitted for research independent study courses. Students who wish to request a W code for one research independent study course must take the appropriate form to coursesrequests@duke.edu by the end of the Drop/Add period of the semester they are enrolled in the course. The request form is available at trinity.duke.edu/undergraduate/academic-policies/research-independent-study-w-code.

Students in the Pratt School of Engineering should consult their Academic Dean and departmental office for information about completing an Independent Study.

Academic Internships

At Trinity College, internship courses carry zero credits. To receive credit related to an internship, students must enroll in an independent study or companion course in which the student distills from the internship a certifiable academic experience that qualifies for course credit. Academic courses related to internships must be offered under the auspices of an academic unit in Trinity College. Further information about procedural requirements may be obtained from the academic deans.

The Pratt School of Engineering does not give course credit for internships.

Procedure for Resolution of Students' Academic Concerns

Trinity College provides formal educational opportunities for its students under the assumption that successful transmission and accumulation of knowledge and intellectual understanding depend on the mutual efforts of teachers and students. Ideally, the college offers a range of learning experiences in which students strive to learn enough to be able to test their ideas against those of the faculty, and faculty, through the preparation of course materials and the freshness of view of their students, discover nuances in their disciplines.

Sometimes, however, student-faculty interrelationships in certain courses give rise to concerns that, for whatever reason, can inhibit successful teaching and learning. When this occurs, students often need assistance in resolving the issues.

The faculty and administration of Trinity College attempt to be genuinely responsive to all such matters and a student should not hesitate to seek assistance from faculty and administrative officers in resolving problems.

Questions about course content, an instructor's methods of presentation, the level of discourse, criteria for evaluation of students, or administrative procedures in a course should be directed to the instructor of the course. (See the following section, Undergraduate Grade Review Procedure, when concerned about a grade.) If a student believes that productive discussion with the instructor is not possible, courtesy requires that the instructor be informed before the student refers questions about the course to the director of undergraduate studies or, in their absence, to the chair of the department. If a student's concern involves a departmental policy rather than an individual course, the student should first confer
Exclusion of Disruptive Students from a Course

The successful conduct of courses depends upon a basic spirit of mutual respect and cooperation among the participants. If a student disrupts a class in such a way that it seriously compromises the educational experience of the course for other students or prevents the instructor from accomplishing the goals of the course as outlined in the syllabus, the instructor may ask the student to leave the class meeting.

The instructor and the student are then expected to meet to discuss and prepare in writing the conditions under which the student may return to the course. If the disruptive behavior continues, the instructor may report the matter to the student's academic dean. The academic dean will investigate the matter to determine whether the student should be referred to the Office of Student Conduct for consideration of formal charges of violation of university policies including “Classroom Disruption,” “Disorderly Conduct,” and/or “Failure to Comply.” If probable cause resulting in further judicial action is not found, the matter is to be referred to the student's academic dean who will make a decision concerning the status of the student in the course.

If the student or the faculty member wishes to appeal the decision of the academic dean, an appeal is to be directed to the senior associate dean of Trinity College, the academic appellate officer for the college. The decision of the senior associate dean in such a case is final. If the student is permanently excluded from the course, a notation of W will be recorded on the student's academic record.
Global Education Office for Undergraduates

During the academic year or summer, a Duke student may earn Duke or study abroad/away transfer credit, depending on the program type, for approved work completed (1) on a Duke-administered program; (2) at an approved foreign university; or (3) on an approved program abroad that is sponsored by another US college or university. No credit will be awarded for college coursework completed on a study abroad program undertaken prior to matriculation at Duke.

A student who wishes to receive credit for study abroad/away should take into account the following criteria established by the faculty and administered by the Global Education Committee for Undergraduates:

- A scholastic grade point average of at least 2.7 for semester or academic year study abroad/away—a student lacking this average may request a GPA waiver from their academic dean if there are unusual circumstances;
- Pre-departure approval of the program and courses by the Global Education Committee and the Global Education Office for Undergraduates (GEO);
- Confirmation of eligibility to study off campus from the Office of Student Conduct and the student’s academic dean;
- Approval by the appropriate directors of undergraduate studies for the courses to be taken abroad/away.

Please note that a student on academic or disciplinary probation or one who does not meet academic continuation requirements will not be permitted to study abroad/away, regardless of the student’s acceptance to a program.

Generally, there are two types of study abroad/away programs available to Duke undergraduates: Duke-administered and Duke-approved programs. Duke-administered programs have varying degrees of academic and logistical oversight from Duke; offer a mixture of Duke credits and study abroad/away transfer credits, depending on the program; and charge Duke tuition, a program fee, and a housing fee (when applicable). Duke-approved programs are administered by other US institutions or foreign universities; offer study abroad transfer credits that do not compute in the Duke GPA, but are eligible for credit toward certain curricular requirements at Duke; and charge tuition and fees entirely apart from Duke. For Duke-approved programs, Duke charges a per semester Study Abroad Fee (see the section Fees for Study Abroad for details about fees charged for Duke-approved study abroad programs).

Students in Duke-administered and Duke-approved programs are expected to enroll in the equivalent of 4.0 Duke course credits each semester. No underloads and no overloads are permitted. To receive the maximum amount of transfer credit at Duke—generally 4.0 course credits for a full semester, 8.0 course credits for a full academic year, 2.0 course credits for a summer—students on Duke-approved programs are expected to take a full, normal course load, as defined by the GEO and the Duke University Registrar. Students should confirm the required course load for each program with GEO advisors.

Study abroad/away transfer credit will be awarded for work satisfactorily completed in Duke-administered and Duke-approved programs abroad in accordance with GEO policies and procedures found at globaled.duke.edu/about/forms-policies. Study abroad/away transfer credit courses may, upon evaluation, carry Areas of Knowledge codes. The foreign language (FL) mode of inquiry is only available to transfer courses through a separate approval process upon return.

Students should consult the section on Academic Recognition and Honors or their academic dean to determine the eligibility of study abroad courses for honors such as the Dean's List. Seniors planning to spend their final semester studying off campus may face postponed graduation because study abroad/away semester dates may differ from Duke’s, and transcripts may be delayed.

Duke-Administered Semester Study Abroad/Away Programs

Duke currently administers a number of its study abroad/away programs. In these programs, Duke faculty and/or academic departments are involved in the academic design and implementation of the programs, and the courses receive Duke credit, as courses on campus do, unless otherwise noted. Information on these programs is available from GEO at globaled.duke.edu/programs/duke-in-programs.

Transfer & Entrance Credit

Transfer of Work Taken Elsewhere

Work Taken during High School

College-level courses taken elsewhere before matriculation at Duke may be considered for prematriculation credit provided they meet each of the following criteria: was taken after the commencement of the junior year of high school and yielded a grade of B- or better, not used to meet high school diploma requirements, taken on the college campus, taken in competition with degree candidates of the college, taught by a regular member of the college faculty, part of the regular curriculum of the college, not taken on a study abroad program completed before matriculation at Duke, and not precalculus or English composition courses. A formal review of courses meeting these criteria will proceed after an official transcript of all college courses taken and documentation pertaining to these criteria are received by the university registrar. (See also the section on entrance credit on this page for a discussion of the number of prematriculation credits that can transfer and how they may be used at Duke.)

Work Taken after Matriculation at Duke
After matriculation as a full-time degree-seeking student at Duke, a student in Trinity College may receive transfer credit for no more than two courses taken at another accredited four-year institution, whether in the summer, while withdrawn from Trinity, or while on leave of absence for personal, medical, or financial reasons. A student in the Pratt School of Engineering is limited to four of these types of transfer courses. In cases that involve transferring study abroad credit, a student in Trinity or Pratt may transfer up to four credits for a semester or eight credits for a full year, plus two for a summer. In no instance, however, may a student transfer more than ten courses when combining study abroad and the allowable number of transfer courses. No credit will be accepted for coursework taken while a Duke student is withdrawn involuntarily.

Only those courses taken in which grades of C- or better have been earned are acceptable for transfer credit; courses taken at other institutions with P/F grading or the equivalent are not accepted for transfer credit. The course credit unit of credit awarded at Duke for satisfactorily completed courses cannot be directly equated with semester-hour or quarter-hour credits. Credit equivalency is determined by the university registrar. Courses for which there is no equivalent at Duke may be given a 100 or a 300 number, lower to upper level. All courses approved for transfer are listed on the student’s permanent record at Duke, but grades earned are not recorded. Once the limit of transferred credit has been reached, no additional transferred work will be displayed on the record or used as a substitute for a previously transferred course. Further information is available from the university registrar.

Courses taken at other institutions that, upon evaluation, yield transfer credit at Duke may be given Areas of Knowledge but not Modes of Inquiry. (The same is true of courses taken as a part of a study abroad program, except the FL Mode of Inquiry, for which students may apply upon completion of the course). They could count toward the major, minor, or certificate if approved by the relevant academic unit. For purposes of this regulation, interinstitutional credits (see the section Agreements with Other Universities in the Duke University Bulletin) are not considered as work taken at another institution.

At least half of the courses submitted toward fulfillment of a student's major field must be taken at Duke, but departments may make exceptions to this rule in special circumstances. No credit is given for work completed by correspondence, and courses taken online are not eligible for transfer credit. Credit for not more than 2.0 course credits is allowed for extension courses.

Approval forms for Duke students taking courses at institutions other than Duke may be obtained online or from the offices of the academic deans. Students wishing to transfer credit for study at another accredited college while on leave or during the summer must present a catalog of that college to the appropriate dean and director of undergraduate studies and obtain their approval prior to taking the courses. Students wishing to receive the FL Mode of Inquiry code for transfer coursework taken in study abroad must apply for the FL code using the Transfer Course FL Mode of Inquiry Request Form available at trinity.duke.edu/undergraduate/academic-policies/transfer-credit.

**Transfer Credit for Students Transferring to Duke**

Students transferring from a degree program in another accredited institution may be granted credit for up to 17.0 course credits. Courses accepted for transfer in this circumstance may be given, upon evaluation, Areas of Knowledge and Modes of Inquiry codes. They may count toward a major, minor, or certificate program if approved by the relevant academic unit. See the section above for information on the evaluation of courses for transfer and the limitation on transfer courses for the major. For questions about transfer credit for transfer students that have been offered admission to Duke, please email transferstudents@duke.edu.

**Transfer Credit and the Foreign Language Requirement**

The same rules that apply to the transferring of courses to meet other curriculum requirements apply to foreign language courses. Foreign language courses taken elsewhere and approved for transfer as credit to Duke may be used for language placement. Students who request placement on the basis of non-Duke courses will be required to show their work (including books, syllabus, writing samples, and exams) to the director of undergraduate studies in the department of that language, and/or to pass an in-house proficiency exam appropriate to the level.

**Entrance Credit & Placement**

Scores on the tests discussed below and documented previous educational experience are the criteria used to determine a student’s qualifications for certain advanced courses. In addition, a limited amount of elective course credit may be awarded in Trinity College of Arts & Sciences on the basis of precourse examination and/or credits earned of the following three types: Advanced Placement (AP), international placement credit (IPC), and prematriculation college credit. Trinity College will record on students’ permanent Duke records courses of these three types completed prior to matriculation at Duke. The three types of precourse work are regarded as equivalent and may be used for placement into higher-level coursework and to satisfy departmental major and minor requirements at Duke to the extent allowed by the individual departments. Additionally, Trinity College students may be granted up to two elective course credits toward the degree requirement of 34.0 course credits for any combination of AP, IPC, or prematriculation credits. Up to six additional credits may be awarded for acceleration toward the degree. Acceleration is defined as completing the requirements for the bachelor's degree one or two semesters earlier than the original expected graduation date. Specifically, the two electives, as well as up to two acceleration credits, may be included in the graduation total for students graduating in seven consecutive semesters. The two elective credits, as well as up to six acceleration credits, may be included in the graduation total for students graduating in six consecutive semesters. Students may not use acceleration credits in order to compensate for time taken away from their studies due to a leave of absence, voluntary or involuntary withdrawal from the university, or a period of practice-oriented education that does not include credit-bearing coursework taken to satisfy graduation requirements. Students wishing to graduate early must complete an early graduation form, available from their academic dean, by the end of the fifth semester of enrollment. AP, IPC, and prematriculation credits may not be used to satisfy general education requirements—the Areas of Knowledge or the Modes of Inquiry.
Duke University

The Pratt School of Engineering evaluates AP and IPC credits as Trinity College does. These courses, with limitations, may be used to satisfy general education requirements toward the BSE degree. The criteria for evaluating such work are the same as in Trinity College (see the section Work Taken during High School on the previous page). Enrollment in a course for which AP or IPC credit has been given will cause the AP credit to be forfeited.

Forfeiture of Precollege Credit Awarded

Students who successfully complete a course at Duke for which they received precollege credit may not use that or any higher precollege credit in that subject to satisfy degree requirements, but the precollege work will remain on the Duke transcript. A Trinity College student who enrolls in a course for which precollege credit was awarded and who subsequently fails or withdraws from the course after the Drop/Add deadline will be allowed to apply the precollege credit toward graduation requirements according to the policy governing use of such credits (see above). A Pratt School of Engineering student enrolled in a course for which precollege credit was awarded and who subsequently fails or withdraws from the course after the Drop/Add period will not be allowed to use the precollege credit nor any higher credit in that subject to satisfying degree requirements.

College Board Advanced Placement Program (AP) Examinations

A score of four or five on College Board Advanced Placement Program Examinations, taken prior to matriculation in college, is the basis for consideration of placement in advanced courses in some departments. Departmental policies regarding Advanced Placement may vary. Approval of the director of undergraduate studies or supervisor of first-year instruction in the appropriate department is required before final placement is made. Scores must be submitted directly from the appropriate testing service to the Office of the University Registrar. The expectation is that they will be sent prior to matriculation.

Advanced Placement courses completed with a score of four or five will be recorded on a student's permanent Duke record. Students may use all of these courses for placement into higher-level courses and to satisfy departmental major and minor requirements at Duke to the extent allowed by individual departments. AP credit is usually not accepted to satisfy introductory physics course requirements for Physics and Biophysics majors. In the Pratt School of Engineering, AP or IPC courses count toward the general requirements, and the student is required to take one physics course at Duke. If awarded AP, IPC, or PMC credit for Physics 25 and 26, the student must take one of the following physics courses here at Duke: Physics 152L, 153L, 264, 361, or 362. Students have the option of taking Physics 152L which will result in forfeiture of Physics 26L AP. This AP will remain on the transcript. In Trinity College, AP courses do not count toward the general education requirements, i.e., the Areas of Knowledge or the Modes of Inquiry.

Advanced Placement in Physics. Neither credit nor Advanced Placement is given for a score below five on the Advanced Placement (AP) Physics-B exam. Trinity College students with a score of five on the AP Physics-B exam may be placed out of Physics 141L with consultation and approval of the physics director of undergraduate studies, although no credit will be granted for these courses. This option is not available to students in the Pratt School of Engineering. Entering students with a score of four or five on the AP Physics-C Mechanics exam will receive credit for Physics 25; students with a score of four or five on the AP Physics-C Electricity and Magnetism exam will receive credit for Physics 26. This policy applies to students entering either the Pratt School of Engineering or Trinity College. For more details about AP course credits and international AP course credits in physics, see physics.duke.edu/undergraduate/prospective-students/transfer-credit/college-board-advanced-placement-ap.

International Placement Credit (IPC)

Duke University recognizes the International Baccalaureate Program; the French Baccalauréat; the British, Hong Kong, or Singapore A-Level Examinations; the Cambridge pre-U; the Caribbean Advance Proficiency Examination; the German Abitur; the Swiss Federal Maturity Certificate; the All India Senior School Certificate Examination; the Indian School Certificate Examination; and the Israeli Matriculation Certificate. Scores acceptable for consideration are determined by the faculty and evaluated by the university registrar. Course equivalents for these programs may be recorded on a student's permanent Duke record for placement and credit according to the same policy governing the use of AP and prematriculation credits (see above). In Trinity College, these credits do not satisfy the general education requirements and, thus, may not be used for the Areas of Knowledge or the Modes of Inquiry. Any combination of two IPC, AP, or prematriculation credits may be used toward the 34.0 course credits required for graduation. Additional IPC, AP, and prematriculation credits may be used to accelerate. In the Pratt School of Engineering, these courses may be used to satisfy general education requirements toward the BSE degree.

Prematriculation Credit

First-year Duke students may submit for evaluation college courses taken at another US regionally accredited college or university after the commencement of the student's junior year of high school. (For details concerning transferring this work, see the section Work Taken during High School on the previous page.) In Trinity College, prematriculation credits awarded for such work may be used as electives and may not be used to satisfy the general education requirements—the Areas of Knowledge or the Modes of Inquiry. Any combination of two prematriculation, IPC, or AP credits may be used toward the 34.0 course credits required for graduation (credits do not have to be designated by the student). Additional IPC, AP, and prematriculation credits may be used to accelerate if early graduation is intended and if there has been no gap in the student's studies at Duke. In the Pratt School of Engineering, these courses may be used to satisfy general education requirements toward the BSE degree. No prematriculation credit will be awarded for college coursework completed on a study abroad program undertaken prior to matriculation at Duke.

Placement in Languages and Mathematics
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**Placement in French, German, Latin, and Spanish.** Newly admitted students who wish to continue the study of French, German, or Latin begun in secondary school should take a College Board Advanced Placement (AP) Examination in that language by June of their senior year in secondary school. Students who do not take these tests or submit test scores should refer to the placement guidelines on the website of the relevant department, or consult with the relevant language program director. In Spanish, French, and German, a score of four or five on the AP literature exam, or a score of five on the AP language exam qualifies students to enroll in a 300-level course. Students who plan to take mathematics at Duke are expected to present College Board Scholastic Achievement Tests (SAT), Mathematics Achievement (Level I or Level II), or Advanced Placement Program (AP, either level AB or level BC) scores.

In French and Spanish students must receive permission from the relevant language program director to enroll in a course one level below their placement (e.g., from 300 to 204 or from 204 to 203, in French; from 305S to 204 or from 204 to 203 in German). Without permission, no credit will be allowed for courses two levels below the achievement score; similarly, no credit will be given for French 101 or Spanish 101 to students who have completed more than two years of French or Spanish in high school without permission from the relevant language program director.

Students should check the Self-Placement Guidelines:
- French (romancesstudies.duke.edu/undergraduate/languages/french)
- German (german.duke.edu/undergraduate/language-program/placement)
- Latin (classicalstudies.duke.edu/undergraduate/placement-latin-greek)

**Placement in Languages Other than French, German, Spanish, and Latin.** Students who wish to continue in any language other than French, German, Spanish, or Latin should consult with the appropriate director of undergraduate studies. In the case of Russian, Polish, and Turkish, the department offers a written examination and oral interview, which are used in conjunction with other criteria for placing students at the appropriate level. In the case of Asian and African languages, students should consult with the appropriate language coordinators.

**Placement in Mathematics.** All students who plan to take mathematics during their first semester at Duke, and who do not submit the College Board SAT or Achievement Test or Advanced Placement Program score in mathematics, should refer to the placement guidelines on the website of the Department of Mathematics, or consult with the supervisor of first-year instruction in mathematics during New Student Orientation. New students who have been placed in Mathematics 105L or 111L on the basis of College Board SAT, Achievement, or Advanced Placement Examinations but who believe that their background in mathematics justifies a higher placement should also confer during New Student Orientation with the supervisor of first-year instruction or with the director of undergraduate studies in the Department of Mathematics. Placement testing in mathematics is not offered during New Student Orientation.

**Admissions**

**Principles of Selection**

James B. Duke, in his Indenture of Trust, requested that “great care and discrimination be exercised in admitting as students only those whose previous record shows a character, determination, and application evincing a wholesome and real ambition for life.” Therefore, in considering prospective students, Duke University looks beyond the basic characteristics of academic competence possessed by the majority of applicants. It seeks, regardless of race, color, religion, national and ethnic origin, gender, handicap, sexual orientation, or age, not only evidence of intellectual promise and maturity of judgment, but also a sense of life beyond the classroom. Often, this is expressed in the form of special talents and accomplishments; it is seen consistently in a student's determination to make creative use of the opportunities and challenges posed by Duke University.

**Requirements for Application**

As there are occasional changes in admission policies or procedures after the printing deadline for the Bulletin of Undergraduate Instruction, candidates are urged to consult the Duke Admissions website at admissions.duke.edu for specific admissions information, dates, and policies.

**Degree Status**

Although there are no inflexible requirements as to subject matter, students are urged to choose a broad and challenging high school program. Candidates for admission should present a minimum of four years of English and at least three of mathematics, natural sciences, a foreign language, and social studies. Applicants to Pratt School of Engineering are strongly advised to take four years of mathematics and four years of science, including physics. Calculus is a prerequisite for admission to Pratt School of Engineering.

Duke University has a test-optional policy for students applying for first-year or transfer admission. Applications will be equally considered regardless of whether or not students submit SAT or ACT scores. Duke University will continue to consider self-reported and/or official scores from the SAT and ACT, English proficiency tests, Advanced Placement tests, International Baccalaureate exams, and A-level and other similar national exams from students who choose to submit them. Duke will accept self-reported scores for purposes of assessing an application; scores sent from testing agencies will be required only from those students who enroll at Duke.

**Nondegree Status**
Summer Session. Persons who are or were at the time of leaving their home institutions in good standing in accredited colleges or universities may be admitted for summer study only by the director of the summer session. Duke students who are on leave or who have been involuntarily withdrawn from the university are not eligible to enroll in courses during the summer session or fall and spring terms.

Continuing Studies. Admission as a continuing studies student at Duke is limited to adults who live in the Triangle area; Duke graduates; persons who will be moving into the area and plan to reside here for a substantial period of time, for family and work reasons; and visiting college students desiring a course of study particular to Duke. These students are given academic counseling by the Office of Continuing Studies; they are subject to most of the regulations set forth for degree candidates. Duke students who are on leave or who have been involuntarily withdrawn from the university are not eligible to enroll as nondegree students through the Office of Continuing Studies. Because these students oftentimes are prohibited from being on the Duke campus, they should also understand that they may not enroll in any noncredit classes that meet on Duke’s campus.

Application Procedures

Degree Status

Information regarding applying for admission may be obtained online at the Duke Admissions website at admissions.duke.edu. A nonrefundable processing fee that is determined annually must accompany the first part of the application. Students may apply using either the Common Application or Coalition Application. The Common Application (commonapp.org) and the Coalition Application (coalitionforcollegeaccess.org) are available online.

A personal interview is not required for admission, but it provides an opportunity to learn more about an applicant’s strengths and goals. All interviews are conducted by alumni volunteers. Students who submit their Common Application by the Early Decision deadline (November 1) or the Regular Decision priority interview deadline (December 20) will be contacted by alumni on a first-come, first-served basis. While Duke makes every effort to interview all applicants who submit applications by these deadlines, interviews are not guaranteed.

Regular Decision. Candidates who wish to enter Duke as first-year students must submit a completed application no later than January 2 of the year in which they intend to enroll. Decisions are provided by the university in late March, and accepted candidates are expected to reserve a place in the class by May 1.

Early Decision. The Early Decision plan is designed to provide well-qualified students who know Duke is their first choice a means of indicating that commitment to the university and notification of a decision early enough to eliminate the necessity of applying to several colleges. Candidates who apply for Early Decision are required to sign a statement confirming their commitment to enroll at Duke if they are admitted in the Early Decision process. Under this agreement, applicants are required to withdraw all applications to other colleges and universities once they learn of their admission to Duke. Students applying to Duke under Early Decision may not apply to any school whose conditions of application conflict with those outlined in Duke’s Early Decision agreement. However, Early Decision applicants are still able to apply to other schools whose conditions of application do not conflict with Duke’s, provided they enroll at Duke if admitted. Duke reserves the right to withdraw the applications of students accepted to other schools under binding Early Decision plans. Secondary school counselors and parents are also asked to sign the Early Decision agreement. Students who are denied admission under the Early Decision program may not reapply for admission under the Regular Decision program.

Students applying for Early Decision must submit a completed application by November 1. Applicants are notified of their status—admit, defer, or deny—by mid-December. Admitted students are expected to respond by January 6. The credentials of candidates who are deferred are considered along with candidates for Regular Decision. Deferred students are no longer bound by the Early Decision agreement and are free to accept offers of admission from other colleges and universities.

Midyear Admission. A midyear (January) admission program has not been offered to first-year students for a number of years and there are no current plans to reinstate one.

Transfer Admission. A limited number of transfer seats may be available, and the number will vary from year to year. Prospective transfer students should refer to the Duke Admissions website at admissions.duke.edu for the most up-to-date information on the transfer process. Duke considers transfer applicants intending to enter Duke as sophomores or juniors. All students entering the Trinity College of Arts & Sciences must meet the college’s curriculum requirements in addition to the requirements of their selected major. For most transfer students, this will require up to six semesters at Duke to complete. Candidates must submit completed application forms, official transcripts of all work completed at other accredited colleges, high school records, scores on the SAT or ACT, and employment records if there has been an extended period of employment since graduation from secondary school. See the section “Transfer Credit for Students Transferring to Duke.”

Transfer applicants submit a completed application by March 15, learn of their decisions in mid-May, and must respond to the university by June 1.

Nondegree Status

Summer Session. General information, registration forms, and schedules of courses may be obtained from the office’s website (summersession.duke.edu) or by calling (919) 684-6259. An application fee is required.

Continuing Education. Applications may be obtained from the Office of Continuing Studies and must be returned to that office, accompanied by the application fee, by August 1 for the fall semester, by December 1 for the spring semester, by April 15 for Summer Session Term 1, and by June 1 for Summer Session Term 2.
A certain grade point average over four courses must be attained before a nondegree student may apply for degree candidacy. More detailed information on nondegree coursework through continuing education is available from the Office of Continuing Studies by calling (919) 684-5375.

Readmission of Former Students. All undergraduate students (including those of The Pratt School of Engineering) applying to return to Duke from a leave of absence, withdrawal, dismissal, or suspension must apply directly to the Office of Student Returns located in Trinity College Office of the Academic Deans. Students on leave of absence or who have been dismissed are not eligible to enroll in classes through the Office of Continuing Studies. For additional information, visit the Time Away Office website at undergrad.duke.edu/student-success/time-away-office. Also, see the section “Changes in Status.”

Tuition & Fees

When deciding to make the investment in a college education, students are urged to give their attention first to the selection of institutions that meet their intellectual and personal needs, and then to the devising of a sound plan for meeting the cost of their education. This process requires an in-depth knowledge of both the university’s financial aid program and the resources of the student’s family. Information describing in detail the various forms of financial aid available at Duke may be obtained from the Karsh Office of Undergraduate Financial Support website at financialaid.duke.edu.

The figures in this section are projections and are subject to change.

Estimated Expenses

<table>
<thead>
<tr>
<th>EXPENSE</th>
<th>ACADEMIC YEAR, 2023-2024 (TWO SEMESTERS)</th>
<th>TWO SUMMER TERMS, 2023 (ONE SEMESTER EQUIVALENT)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Tuition</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Trinity College</td>
<td>$63,450</td>
<td>$8,160-$13,570</td>
</tr>
<tr>
<td>Pratt Engineering</td>
<td>$63,450</td>
<td>$8,160-$13,570</td>
</tr>
<tr>
<td><strong>Housing</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Single Room</td>
<td>$13,056</td>
<td>$4,704</td>
</tr>
<tr>
<td>Double Room</td>
<td>$9,884</td>
<td>$3,560</td>
</tr>
<tr>
<td>Triple Room</td>
<td>$8,814</td>
<td>-</td>
</tr>
<tr>
<td>Apartment Shared Bedroom</td>
<td>$13,056</td>
<td>$5,848</td>
</tr>
<tr>
<td><strong>Food</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dining Plan I (first-year students)</td>
<td>$9,156</td>
<td>$3,000</td>
</tr>
<tr>
<td>Dining Plan D (returning students)</td>
<td>$8,167</td>
<td>$2,221</td>
</tr>
<tr>
<td>Books, Course Materials, Supplies, and Equipment</td>
<td>$536</td>
<td>$134-$268</td>
</tr>
<tr>
<td><strong>Student Health Fee</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Student Activity Fee</td>
<td>$945</td>
<td>$324</td>
</tr>
<tr>
<td>Student Services Fee</td>
<td>$298</td>
<td>-</td>
</tr>
<tr>
<td>Recreation Fee</td>
<td>$752</td>
<td>$281.80</td>
</tr>
<tr>
<td><strong>Student Services Fee</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Recreation Fee</td>
<td>$360</td>
<td>-</td>
</tr>
<tr>
<td><strong>Residential Program Fee</strong></td>
<td>$110.50</td>
<td>-</td>
</tr>
</tbody>
</table>

The figures in this table are projections and are subject to change. Certain basic expenditures, such as tuition, fees, housing, and food, are considered in preparing a student’s budget. These necessary expenditures, with a reasonable amount allotted for miscellaneous personal expenses and books, course materials, supplies, equipment, and transportation costs, are shown above. Food projections include a meal plan service fee and NC tax surcharge. There are no meal plans for Summer Session. Students can add points or select a debit account that is either small, medium, or large. For financial aid purposes, the summer cost of food and miscellaneous personal expenses is calculated as a percentage of the academic-year cost based on the number of weeks attended.

Additional expenses may be incurred that will depend to a large extent upon the tastes and habits of the individual. The average first-year undergraduate student, however, can plan on a budget of approximately $87,357 plus transportation costs. Note that for students receiving financial aid who live off-campus, consideration will be given for the cost of an on-campus double room and dining plan D in their calculated cost of attendance. These budgets represent most student living expenses except for parking and loan fees.

Fees and Deposits for Fall and Spring

On the first bill from Duke, students (including transfer students) are required to pay a one-time nonrefundable registration fee of $180, which includes transcript processing.

Part-Time Students
In the regular academic year, students who, with permission, register for no more than 2.5 courses in a semester will be classified as part-time students. Part-time students will be charged tuition at the rate of $7,932; half course, $3,966; quarter course, $1,983. Registration for more than 2.5 courses requires payment of full tuition. Students in nondegree programs who are being considered for admission to degree programs, as designated by the Office of Continuing Studies, pay fees by the course whether the course load is one, two, or three courses.

Auditing one or more courses without charge is allowed for students paying full fees, provided that the consent of the instructor is obtained. Audited courses are counted toward the total credit limit of 6.0 that no student may exceed, and toward the maximum of 2.5 credits for seniors who wish to be part-time in their final semester. With the consent of the appropriate instructor and the director of continuing studies, graduates of Duke, Duke employees, members of the Osher Lifelong Learning Institute (OLLI), and qualified members of the local community may audit undergraduate courses for the above payment per course.

Duke Employees
Many employees may be eligible to receive either a Tuition Grant from Trinity College of Arts & Sciences or an Employee Tuition Benefit through Duke Human Resources to enroll in regular university classes, or both, to assist with the cost of tuition or audit fees. The details of these two plans can be found at learnmore.duke.edu/academics and hr.duke.edu/benefits/educational/employee-tuition-assistance.

Fees for Courses
Additional fees are charged for certain physical education activities, field trips, and applied music courses. For specific charges, consult the Bursar’s Office. For students receiving need-based financial aid, all fees are paid in full. A fee of $198 will be charged for Music 101. A fee of $395 will be charged for Music 103 to 108. A fee of $790 will be charged for Music 203 to 208. Fees for these courses for students receiving need-based aid are paid in full.

Fees for Study Abroad
Students who register to study abroad in programs administered by institutions other than Duke University will pay the tuition and fees of the administering institution. There will be a fee of $4,580 per semester, payable to Duke University, to maintain a student’s enrollment at Duke. Students receiving financial aid will receive aid based on revised costs from the administering institution.

Additional Cost of Attendance Components
In addition to the expenses listed above, Duke’s additional cost of attendance components for the purposes of financial aid includes the following:

<table>
<thead>
<tr>
<th>ESTIMATED EXPENSES</th>
<th>ACADEMIC YEAR 2023-2024</th>
</tr>
</thead>
<tbody>
<tr>
<td>Miscellaneous personal expenses</td>
<td>$3,274</td>
</tr>
<tr>
<td>Transportation</td>
<td>$582-$1,317 (contingent on home address)</td>
</tr>
</tbody>
</table>

Tuition and Fees for Summer Session
Tuition for undergraduates is $1,355 for each half-course, $680 for each quarter-course, and $2,705 for a non-science lab course. A course with a lab is charged at the rate of $3,460.

Tuition for graduate master’s students taking an undergraduate course will be charged at the graduate master’s summer tuition rate. A graduate PhD student taking an undergraduate course that will apply toward their graduate degree will be charged at the graduate PhD summer rate. If the course will not be considered a part of the student’s graduate degree program, undergraduate rates apply as described above.

Health Fee and Student Services Fee
All Duke students and all full-time non-Duke students are required to pay a health fee of $162 per term, as well as a student services fee of $140.90 per term for all students living on Duke campus.

Music Fee
A fee of $198 will be charged for Music 101. A fee of $395 will be charged for Music 103 to 108. A fee of $790 will be charged for Music 203 to 208. Students receiving need-based aid for summer will have the fee covered in full.

Auditing Fees
Students carrying less than a full course program may be granted permission by the instructor and the director of summer session to audit one non-laboratory course except a physical education or dance activity course, a studio art course, an applied music course, an independent study course, tutorials, and foreign programs. Regular deadlines apply. Courses may not be changed from credit to audit (or vice versa) after the Drop/Add period. For arts and sciences offerings, the auditing fee is $302 per course. Professional school course audit policies may differ.

Living Expenses
The figures contained in this section are projections and are subject to change prior to the beginning of the fall term.
Housing for Fall and Spring
In residence halls for undergraduate students, the housing fee is $13,056 for a single room, $9,884 for a double room, and $8,814 for a triple room Duke-provided housing for the academic year. Apartment rates for upper-class students range from $13,056 to $16,230 for the academic year.
Detailed information concerning the student's obligations under the housing license and the consequences of failure to comply are published in The Duke Community Standard in Practice: A Guide for Undergraduates.

Housing for Summer
For detailed information on types and costs of accommodations available at Duke University for the summer session, email housing@studentaffairs.duke.edu, call (919) 684-4304, or visit studentaffairs.duke.edu/hdrl.

Food and Other Expenses
Duke Dining Services and Duke University Stores operations are located on campus to serve the needs of the Duke community. The university identification card, known as the DukeCard, can be used to gain access to prepaid accounts and make purchases in many Duke University facilities.
The first-year student dining program is composed of two parts:
- **Dining Plan:** Fourteen prepaid all-you-can-eat-meals per week (five breakfasts, seven dinners, and two brunches) at The Marketplace at East Union.
- **Food Points:** Declining balance points to be used at any dining location on campus, convenience stores, snacks from vending machines, and late-night meal delivery from approved local off-campus vendors and food trucks.

The cost of the dining plan for the First-Year Plan (Plan I) is $4,247 per semester, plus a $25 dining fee per semester and 7.5 percent NC tax surcharge. The First-Year Plan also includes 800 food points for $910 plus a 7.5 percent NC tax surcharge. Participation in the First-Year Plan is required of all first-year students who reside on East Campus.
Upper-class students who live in the residence halls are required to participate in one of five dining plan debit accounts that allow access to all dining locations. The five plan levels (Plan A-Plan E) range from $2,641 to $4,103 per semester, plus a $25 dining fee and 7.5 percent NC tax surcharge per semester. Upper-class students who live in Swift Avenue apartments are also required to participate in the dining plan but may choose to do so at the lower minimum requirement of Plan J ($1,868 plus a $25 dining fee and 7.5 percent NC tax surcharge per semester).
Nonresident students are not required to participate in the dining plan; however, Plan F, for $865 and a $25 dining fee and 7.5 percent NC tax surcharge per semester, is offered as an option.
An optional summer dining plan is provided in three plan levels ranging from $339 to $1,372 per summer term (plus a $25 dining fee and 7.5 percent NC tax surcharge).
Students may also purchase a Flexible Spending Account (FLEX) that can be used to purchase any goods or services from Duke Dining, Duke Stores, and other campus operations. FLEX is optional and may be opened with as little as $25. Additional funds may be deposited to either the FLEX or dining plan debit account at any time.
Information regarding these accounts is sent to matriculating students. For more information about campus retail and food facilities, see the page Housing, Dining, & Transportation in the Duke University Bulletin.

Financial Policies
Fall & Spring Student Bills
The Bursar's Office prepares students' bills for tuition and fees. Tuition and fees are due before the start of each term. Please consult the Bursar's Office website for a complete billing schedule (finance.duke.edu/bursar). Students applying for financial aid should complete that process by the assigned due date.
Bills are available electronically on DukeHub, and students will receive a bill via email. Students may view bills and up-to-date student account history on DukeHub. Email bills will also be sent to anyone the student has designated as a guest with access to view online bills.

Payment
Students are encouraged to pay by e-check, a fast and convenient method for paying their bills. To pay by e-check, visit DukeHub or finance.duke.edu/bursar and click the DukePay icon. Payment also may be mailed to the address listed on the bill.

Payment Plan
Duke partners with Nelnet to provide a payment plan for current term charges. For additional information please visit mycollegepaymentplan.com/duke or finance.duke.edu/bursar.

Restrictions on Past Due Accounts
As noted above, tuition and fees are due before the start of each term. If a student’s account becomes past due, a late payment penalty charge (not to exceed 1.25 percent of the past due balance from the prior bill) will be assessed on subsequent bills. If the account remains unpaid, a student will not be allowed to register for future semesters and may be administratively withdrawn from Duke. As long as the account is past due, a student will not have access to academic transcripts, have academic credits certified, or receive a diploma at graduation. If the account remains outstanding after a student departs from Duke, it may be referred to a collection agency and reported to a credit bureau.

Summer Student Bills

The Bursar’s Office will prepare bills in April, May, and June for current Duke students enrolled for Summer Session. April and May bills are due on the twelfth of the following month. June bills are due on the first business day of August. Please consult the Bursar’s Office website for a complete billing schedule (finance.duke.edu/bursar). Students will receive bill notifications via their Duke email account and also may view their bills on DukeHub. Email bills will also be sent to anyone the student has designated as a guest with access to view online bills.

Problems meeting these deadlines should be discussed with the Bursar’s Office prior to the start of the term. Failure to meet deadlines may have implications for fall enrollment.

The Summer Session Office will enclose a statement of charges with the confirmation of registration letter sent to all visiting students and Duke graduates. Payment for term charges will be due on the designated due dates.

Summer Session retains the right to withdraw students from classes if they never attend, have not paid tuition and fees, or if they have failed to clear with the Bursar’s Office, by the end of the Drop/Add period. Attendance in classes after the first three days of the term obligates the student to the full tuition and fees for the course.

Students who, subsequent to withdrawal, clear with the Bursar’s Office prior to the midpoint of the particular term may, with written permission of their academic dean, be reinstated in their classes as originally registered and receive regular grades. The administrative withdrawal fee will stand and the student will be liable for full tuition and fees.

Refund Policy

Tuition and mandatory fees are required to be paid in full, regardless of:

- The method of instruction and/or mode of academic delivery;
- Any changes to instructional content, schedule, or duration of the semester;
- Any inability to access Duke University-maintained facilities; and
- Any disruption to or cancellation of activities, events, services, or programs during the academic year.

For the avoidance of doubt, and as has been the Policy of Duke University in the past, tuition and mandatory fees will not be refunded in whole or in part for any reason, except as provided for under the Refund Policy. By paying the tuition and mandatory fees, the student and anyone paying tuition on their behalf acknowledges and accepts these terms.

Fall and Spring Refunds

In the case of withdrawal from the university, tuition will be reduced according to the following schedule:

<table>
<thead>
<tr>
<th>TIME OF WITHDRAWAL</th>
<th>AMOUNT REFUNDED</th>
</tr>
</thead>
<tbody>
<tr>
<td>Before classes begin</td>
<td>Full amount</td>
</tr>
<tr>
<td>During first or second week</td>
<td>80%</td>
</tr>
<tr>
<td>During third, fourth, or fifth week</td>
<td>60%</td>
</tr>
<tr>
<td>During sixth week</td>
<td>20%</td>
</tr>
<tr>
<td>After sixth week</td>
<td>None</td>
</tr>
</tbody>
</table>

Grants or loans will be restored to those funds on the same pro rata basis and will not be refunded or carried forward. In the event of death, a full tuition, fees, and residence hall refund will be granted. In case of a call to military service, a full semester’s tuition, the full purchase price of textbooks from the university's bookstore, and the pro rata amount of the room charge will be refunded. The outstanding balance of the food service plan will be refunded in case of military service or death.

In the case of dropping special fee courses (e.g., music, art, golf), or of part-time students dropping audit courses, a full refund will be granted to students during the Drop/Add period. Students changing status to part-time are required to request permission at the time of preregistration; therefore, no refunds are granted during the Drop/Add period or subsequently for changes that involve carrying less than a full-time load.

Because Duke University participates in the Title IV federal aid programs, it follows federal guidelines with respect to the refund and repayment of these funds. All first-time students who withdraw within 60 percent of the enrollment period will have their charges and financial aid assured according to the federal regulations. Additional information regarding this procedure may be obtained from the Office of Financial Aid.

Summer Administrative Withdrawal Charges and Refunds
Drop or Administrative Withdrawal Charges. Students who will not be attending a summer term or course for which they have registered must officially drop the course(s) prior to the beginning of the term whether or not they have paid tuition and fees. (See the section Course Changes after Class Begin: Summer Terms in Registration & Courses.) Students who fail to drop the course(s) prior to the beginning of the term will be charged $150 per course.

Refunds (Except Study Abroad Programs). Students who will not be attending a summer term or course for which tuition and fees have been paid are eligible for refunds according to the following policy: There is a financial obligation of full tuition and fees if the student withdraws from a course(s) or withdraws from the term after the third day. Full tuition and fees are refunded if the student officially drops a course(s) or withdraws from the term before the first day.

Financial Support

Duke University is strongly committed to its program of financial support and, for the four years of undergraduate enrollment, will meet 100 percent of the demonstrated need of each eligible admitted US citizen or eligible noncitizen. The university's financial support program includes both merit and need-based scholarships, work-study, and all federal loan programs.

For US citizens and eligible noncitizens, an applicant's need for financial aid, or the fact that a student has applied for financial aid, will not disadvantage a student in the admission process. Students needing assistance are strongly encouraged to apply for funding at the same time as for admission. Students awarded support funding will be notified at the same time they are offered admission, assuming all required documentation has been received.

It is the intention of the Karsh Office of Undergraduate Financial Support to set each award at a level consistent with a family's ability to meet the costs of attending Duke University. This will be done by taking into consideration the contribution that can reasonably be expected from the student and the family.

Financial Support for Entering First-Year Students

Candidates should initiate their application for financial support concurrently with their application for admission. Instructions outlining the specific requirements and deadline dates will accompany application materials. To receive institutional funds, two forms must be submitted, the Free Application for Federal Student Aid (FAFSA) to the federal processor and the PROFILE application to the College Board's Scholarship Service (CSS).

Students applying for federal loans and grants, not Duke University aid, must complete only the FAFSA. If a student's parents are divorced or separated, both parents must submit the PROFILE and one parent must submit the FAFSA. Students may be asked to submit copies of their and their parents' federal income tax returns (all forms, schedules, statements, and W2s must be included). Early Decision and Regular Decision applicants are required to submit their tax information directly to the College Board for processing by the Institutional Documentation Service (IDOC). Students will receive information from the College Board about the IDOC process. All tax information is then sent to Duke electronically by the College Board.

International students interested in obtaining need-based financial aid must apply for financial support at the time of admission to be eligible to receive need-based aid in any year of undergraduate study. To apply, students must complete the International CSS Profile online. A Statement of Foreign Earnings for both parents or a copy of the most recently completed tax return for both parents must be submitted to the College Board.

Renewal of Financial Support after the First Year

Each year, domestic students must file an application for renewal of need-based financial aid. All students must complete a new Free Application for Federal Student Aid (FAFSA), and students may also be asked to complete a new PROFILE form and submit a copy of all pages, including schedules and attachments, of the parents' and student's federal income tax return. Students will be notified electronically of the documents necessary to receive their financial aid renewal. The deadline for the receipt of all application materials by the Karsh Office of Undergraduate Financial Support is January 2. All qualified students may receive need-based aid for up to nine semesters (eight semesters of fall and spring plus two summer terms).

To have financial aid renewed, a student must meet the requirements outlined in Duke's policy for Satisfactory Academic Progress for Financial Aid. Students not qualifying for financial aid due to their inability to meet these requirements may appeal directly to the Karsh Office of Undergraduate Financial Support. Students holding merit scholarships are required to maintain an average considerably higher than the minimum required for need-based financial aid recipients. Specific details regarding retention standards will be provided to scholarship winners.

Summer School Financial Support

Financial support is available for a total of two summer sessions but only for Duke programs. No financial support is available for non-Duke summer programs. Students may choose to attend two summer sessions as part of a ninth semester of aid eligibility. Interested students can obtain more information about summer financial support, budgets, and eligibility at financialaid.duke.edu/making-most-your-aid/summer-study.

Types of Financial Support

Gift scholarships or grants, long-term loans, and employment are integral parts of the financial support program, and some portion of the financial support offered an undergraduate is normally in each of these forms.
The work-study opportunity and loan(s) offered as financial aid are considered to be the self-help portion of the award. The standard package at Duke provides that the first $2,200 to $7,200 of each student's need be awarded in the form of self-help funds. Funds awarded in excess of this amount will generally be grant funds. This combination of university grant funds and opportunities for self-help enables Duke to extend its resources to a larger number of deserving students.

Financial Support

**Scholarships**

Duke has a number of scholarships based on merit that are available from personal endowments and corporations. Most are intended for entering first-year students and require no separate application. These scholarships may be based on achievement in a particular field or on an outstanding overall record.

**Merit Scholarships**

The Office of University Scholars and Fellows is the home for Duke's merit scholarship programs. Scholarship holders may apply for need-based aid for any need not met by their scholarship. The scholars are chosen by faculty-driven committees on the basis of the Duke application. All the scholarships in these programs are renewable for eight semesters of undergraduate study for those students meeting the following academic standards: renewable merit scholarships will be continued for first-year students who complete the first year of studies with a 3.0 average or higher. Scholars are allowed one underload and must be enrolled in four full academic credits every other semester. Upper-class students must complete each academic year with a 3.2 average or higher. Students failing to meet the required average will be put "on review." Thereafter, students on review must receive a 3.2 average each year to keep the scholarship or fellowship. If a scholar is ineligible to return to Duke for academic reasons, or is suspended or dismissed for disciplinary reasons, they will lose the scholarship. Visit oufs.duke.edu for more information.

**Alumni Endowed Scholarship.** An Alumni Endowed Undergraduate Scholarship is awarded annually to a Duke applicant who demonstrates superior academic ability, leadership potential, and financial need. These awards are given to children or grandchildren of alumni and are renewable annually for those meeting the stated requirements. Each scholar receives tuition, room, board, and mandatory fees.

**Angier B. Duke Memorial Scholarship.** Awarded on the basis of academic merit, these scholarships are named to honor the intellectual achievement of men and women by recognizing those who possess outstanding academic leadership abilities. Candidates are selected on the basis of intellectual performance, creative talent, and promise of being eventual leaders in whatever field of endeavor they choose. The scholarship is a four-year program (eight semesters), and a student's continuation in the program is contingent upon good academic performance. All scholarship holders receive full tuition, room, board, and mandatory fees. All Angier B. Duke Scholars participate in a six-week summer study program at Oxford University in England, paid for by the scholarship. AB Duke scholars are eligible to apply for enrichment funding.

**The Benjamin N. Duke Scholarship Program.** As part of the Benjamin N. Duke Scholarship Fund, these awards recognize and encourage leadership potential and community involvement of students from North and South Carolina. These scholarships, valued at full tuition, room, board, and mandatory fees are awarded annually. All B.N. Duke scholars participate in a six-week summer program run by OUSF after their first year of enrollment at Duke. BN Duke scholars are eligible to apply for enrichment funding.

**Karsh International Scholarships.** These are awarded to outstanding students from around the world. They are strictly need-based scholarships and are equal to the demonstrated need of the student. Additionally, they fund three summers of research or research-service opportunities in Durham, throughout the United States, or abroad, including in the home country.

**Reginaldo Howard Scholarships.** These are awarded annually to students of African heritage who demonstrate academic excellence and outstanding leadership potential. These scholarships are equal to full tuition, room, board, and mandatory fees. Scholars are available for the eight semesters of undergraduate study. These scholars are also eligible to apply for enrichment funding.

**Robertson Scholars.** Half of the Robertson scholars matriculate at The University of North Carolina at Chapel Hill, and half at Duke University. All exhibit exceptional leadership potential, commitment to public service, and proven interest in the diversity of peoples and cultures both within the United States and beyond its borders. The program is designed so that every Robertson Scholar will have dynamic intellectual homes at two superb universities—Duke and The University of North Carolina at Chapel Hill. Robertson scholars will receive full tuition, room, board, and mandatory fees at The University of North Carolina at Chapel Hill or Duke, summer community-building and enrichment opportunities in the United States and abroad, support for research and related travel, and a top-of-the-line laptop computer.

**Trinity Scholarships.** Awarded to North and South Carolinians of exceptional ability, these scholarships are named to honor the fact that Duke University was originally named Trinity College. Trinity scholarships provide each winner an award equal to the value of tuition, fees, room, board, and the cost of a summer program. Trinity Scholars are also eligible to apply for enrichment funding.

**The University Scholars Program.** This is an interdisciplinary, intergenerational community of undergraduate, graduate, and professional school scholars. Undergraduate University Scholars are exceptional students who have also demonstrated, through official financial aid applications, that they need scholarship support to achieve their academic ambitions. Undergraduate University Scholars receive a full-tuition scholarship, room, board, mandatory fees, assistance for additional demonstrated need, and support for a summer abroad or research project. There is no separate application; interested Duke applicants are urged to file all financial aid forms as early as possible.

**Gift Scholarships**

The following are among the named gift scholarships offered through Duke University.
Alice M. Baldwin Scholarships. One or more of these scholarships, varying in amount, are awarded to women who are rising sophomores, juniors, or seniors on the basis of scholarship, character, leadership, and need.

Gross Scholarship, established in 2005, provides whole or partial scholarships to undergraduate students who are, or shall be at the time of receipt of the scholarship, enrolled in Trinity College of Arts & Sciences or Pratt School of Engineering at Duke University. The scholarship will replace loans and/or work study. Gross scholarship recipients will come from families with income below the median of students receiving financial aid at Duke the previous year, using the same measurement standards applied by the Office of Financial Aid.

J. A. Jones Memorial Scholarships, sponsored through the Jones Fund for Engineering, are awarded to engineering students whose outstanding academic and personal qualifications suggest that they will become leaders in a technological society. The awards may be based on merit criteria set by the Pratt School of Engineering and financial need.

The Janet B. Chiang Memorial Scholarship Fund was created by the family and friends of Janet B. Chiang. This grant supports student projects with the goal of furthering Asian American understanding, as well as funding need-based grants for students to study in Asia. Duke undergraduate and graduate students may apply. Special consideration will be given to projects connected with Asian American relations, Asian American cultural or legal issues, and women's issues, but any project that is designed to meet a need and encourages student leadership initiative will be considered. Special consideration will also be given to Asian Americans who apply for grants to study in Asia, but all students with a demonstrated interest in the relation of Asian and American cultures are encouraged to apply for this grant.

Kravis Scholarships. The endowment, established in 1997, provides need-based support for disadvantaged students. Assistance is given to students enrolled in Trinity College of Arts & Sciences, with a preference for African Americans. Kravis Scholars will receive $24,200 for four years, which includes replacement of loans and/or work study, and an award for one Duke-sponsored summer study abroad program.

Panhellenic Scholarship. A scholarship is awarded to a rising senior woman on the basis of scholarship, character, leadership, service, and need.

Richard Miles Thompson Scholarships are awarded annually to male undergraduate students enrolled in the Pratt School of Engineering. The awards are based upon academic merit and demonstrated financial need.

Robert H. Pinnix Scholarships are awarded annually to students enrolled in the Pratt School of Engineering. The award is based upon demonstrated ability, excellence in engineering, and financial need.

United Methodist Scholarships. Several United Methodist Scholarships are available on the basis of demonstrated need to Methodist students who have given evidence of leadership in their local Methodist Youth Fellowship groups.

W. N. Reynolds Memorial Scholarships. Recipients of these awards are students with outstanding ability and/or need who show promise of constructive leadership. In considering candidates for the awards, consideration will be given in the following order: (1) children of employees of R. J. Reynolds Tobacco Company or any of its affiliates or subsidiaries; (2) children of families residing in Forsyth County, North Carolina; and (3) other candidates who are residents or natives of North Carolina. There are a number of awards available for each first-year class with a minimum value of $500.

The William O’Connor Memorial Scholarship. This music scholarship, established by the Mary Duke Biddle Foundation in honor of William O’Connor and in appreciation for his many years of service to the foundation, is awarded to a student of a string instrument or organ.

Drama Scholarships

The Beth Gotham Semans Drama Scholarships. These awards are made annually to currently enrolled undergraduate students who have been and continue to be active in drama, with preference given to African American students. Applicants need not be drama majors but must have demonstrated need and demonstrate significant involvement in dramatic activities.

Emma A. Sheafer Drama Scholarships. These scholarships are awarded to talented prospective drama students who would not be able to attend Duke University without financial assistance. Awards shall be made to a single individual or several qualified students in need.

Kohler Scholarships in Drama. Several awards each year are given to needy students active in the drama program.

The Steven and Toby Korman Drama Scholarships. The scholarship shall be awarded annually to a student(s) with demonstrated need who has demonstrated exceptional talent and ability in the field.

ROTC Scholarships

Air Force ROTC College Scholarship Program. Students can apply for three-year scholarships during their first year and two-year scholarships during their sophomore year. Scholarships are available to qualified students who major in most fields, primarily scientific or engineering. The scholarships range from $15,000 up to full tuition, fees, textbook reimbursement, and a monthly tax-free allotment.

Army ROTC Scholarship Program. All Duke students are eligible to apply for Army ROTC scholarships. Generally awarded without regard to academic major (some are awarded for specific majors such as critical languages, math, science, or engineering), these grants pay either full tuition and fees or room and board up to $10,000 per year. Scholarship recipients also receive a book allowance of $500 in addition to a tax-free monthly stipend of between $300-$500 per month during the school year. Nonscholarship contracted cadets also receive the $300-$500 stipend. Following graduation, cadets are required to serve as Commissioned Officers in the Active Army, Army Reserve, or Army National Guard. The service component (Active Guard or Reserve) is determined by the cadet’s scholarly, physical, and leadership achievements while at Duke; the cadet’s service preferences; and the needs of the Army. High school seniors interested in competing for an Army ROTC scholarship must begin
**Financial Support**

**Loans**

The loan programs that are available to students through Duke University are listed below.

**The Federal Direct Loan** is available to students who may borrow up to $5,500 as first-year students, $6,500 as sophomores, and $7,500 as juniors and seniors. Interest rates are set annually by the Department of Education and published on its website. Students who demonstrate need by filing the Free Application for Federal Student Aid (FAFSA) may qualify for a Direct Subsidized Loan, and interest does not accrue while the student is enrolled at least half-time in an accredited degree program for Direct Subsidized Loans. Students not demonstrating need, according to the FAFSA, or those having borrowed the full subsidized amount already, may borrow through the Unsubsidized Loan program. Interest on
unsubsidized loans accrues while the student is in school, and the student may choose to capitalize on the interest or pay it as it accrues. Repayment for both loans begins six months after the student is no longer enrolled at least half-time as a degree candidate at an accredited institution.

The Federal Direct Parent Loan for Undergraduate Students (PLUS) allows qualified parents to borrow up to the cost of education minus other financial aid. The proceeds from this loan may only be used to pay the current year's costs of attendance. The interest rate is fixed and published annually by the Department of Education, and repayment of this loan begins within sixty days after the first disbursement for the academic year. Borrowers who have a student enrolled at least half-time may be eligible for deferment of payment. Federally mandated credit checks are required for all PLUS applicants.

Financial Support

Tuition Plans

Many families finance a college education with the assistance of an insured tuition payment plan regardless of whether they receive financial assistance from Duke. The university is pleased to offer a five-month interest-free payment plan each semester through Nelnet. An application fee will apply. More information can be obtained from the Bursar's Office or by visiting duke.afford.com.

Financial Support

Employment

Most financial aid recipients are offered work study as part of their aid package. All students interested in working during the school year should review the jobs posted at duke.studentemployment.ngwebsolutions.com. All earnings are paid directly to the student for hours worked.

Duke University also expects that students receiving financial aid will contribute to the cost of their education. First-year students should have a minimum contribution of $2,600 toward college expenses. In subsequent years, minimum student contributions will be $2,900 for rising sophomores, and $3,000 for rising juniors and seniors.

Duke University also offers subsidized employment opportunities to many students not qualifying for need-based financial aid (Duke Work Study). Interested students should submit the appropriate aid applications. Additional information about how work study works, types of work study, and how to apply can be found at financialaid.duke.edu/work-study.

All Programs

Browse by Department
Bachelor's Programs
Minors
Certificates

Browse By Department

African & African American Studies Program
African & African American Studies (AB)
African & African American Studies Minor

Art & Art History Department
Art & Art History Department
Art History (AB)
Art History Minor
Art History and Visual Arts (AB)
Cinematic Arts Minor
Computational Media, Interdepartmental (AB), co-owned with Computer Science Department
Photography Minor
Visual and Media Studies (AB)
Visual and Media Studies Minor
Visual Arts (AB)
Visual Arts Minor
Computational Media, Arts & Cultures
Computational Media Minor

Asian & Middle Eastern Studies
Asian and Middle Eastern Studies (AB)
Asian and Middle Eastern Studies Minor

Asian American and Diaspora Studies
Asian American and Diaspora Studies Minor

Biology Department
Biology (AB)
Biology (BS)
Biology Minor

Chemistry Department
Chemistry (AB)
Chemistry (BS)
Chemistry Minor

Child Policy Research
Child Policy Research Certificate

Classical Studies Department
Ancient Religion and Society, Interdepartmental (AB), co-owned with Religious Studies Department
Classical Archaeology Minor
Classical Civilization (AB)
Classical Civilizations Minor
Classical Languages (AB)
Greek Minor
Latin Minor

Computer Science Department
Computational Biology and Bioinformatics Minor
Computational Media, Interdepartmental (AB), co-owned with Art & Art History Department
Computer Science (AB)
Computer Science (BS)
Computer Science Minor
Computer Science Artificial Intelligence Minor
Data Science: Math+CS, Interdepartmental (BS), co-owned with Mathematics Department
Data Science: STA+CS, Interdepartmental (BS), co-owned with Statistical Science
Linguistics and Computer Science, Interdepartmental (AB), co-owned with Linguistics Department

Cultural Anthropology Department
Cultural Anthropology (AB)
Cultural Anthropology Minor

Dance Department
Dance (AB)
Dance Minor

Decision Sciences
Decision Sciences Certificate

DeWitt Wallace Center for Media & Democracy
Journalism and Media Minor

Documentary Studies
Documentary Studies Certificate

Economics Department
Economics (AB)
Economics (BS)
Economics Minor

Duke University
Financial Economics Minor

Education Department
Education Minor

English Department
Creative Writing Minor
English (AB)
English Minor

Ethics & Society
Ethics & Society Certificate

Evolutionary Anthropology
Evolutionary Anthropology (AB)
Evolutionary Anthropology (BS)
Evolutionary Anthropology Minor

Gender, Sexuality, and Feminist Studies
Gender, Sexuality, and Feminist Studies
Gender, Sexuality, and Feminist Studies (AB)
Gender, Sexuality, and Feminist Studies Minor
Global Gender Studies, Interdepartmental (AB), co-owned with International Comparative Studies

Program in the Study of Sexualities
Sexuality Studies Minor

German Studies
German (AB)
German Minor

Global Cultural Studies in the Literature Program
Global Cultural Studies in the Literature Program (AB)
Global Cultural Studies in the Literature Program Minor

Global Health
Global Health (AB2)
Global Health Minor

History Department
History (AB)
History Minor

Inequality Studies Minor

Human Rights Program – Franklin Humanities Institute
Human Rights Certificate

Information Science + Studies
Information Science + Studies Certificate

Innovation and Entrepreneurship
Innovation and Entrepreneurship Certificate

International Comparative Studies
Global Gender Studies, Interdepartmental (AB), co-owned with Gender, Sexuality, and Feminist Studies
International Comparative Studies (AB)

Islamic Studies
Islamic Studies Certificate

Jewish Studies
Jewish Studies Certificate

Latino Studies Global South

Latin American and Caribbean Studies Certificate

Linguistics Department
Linguistics (AB)
Linguistics Minor
Linguistics and Computer Science, Interdepartmental (AB), co-owned with Computer Science Department

Margolis Center for Health Policy
Health Policy Certificate

Markets & Management
Markets and Management Certificate

Mathematics Department
Data Science: Math+CS, Interdepartmental (BS), co-owned with Computer Science Department
Mathematics (AB)
Mathematics (BS)
Mathematics Minor

Medieval and Renaissance Studies Program
Medieval and Renaissance Studies (AB)
Medieval and Renaissance Studies Minor

Music Department
Music (AB)
Music Minor
Music Listening-Focused Minor

Neuroscience
Neuroscience (AB)
Neuroscience (BS)
Neuroscience Minor

Nicholas School of Environment

Earth and Climate Sciences
Earth and Climate Sciences (AB)
Earth and Climate Sciences (BS)
Earth and Climate Sciences Minor

Environmental Sciences
Energy and the Environment Certificate, co-owned with School of Engineering

Marine Science & Conservation
Marine Science and Conservation (AB)
Marine Science and Conservation (BS)
Marine Science and Conservation Minor

Nicholas School of Environment
Environmental Sciences (BS)
Environmental Sciences and Policy (AB)
Environmental Sciences and Policy Minor
Sustainability Engagement Certificate

Philosophy Department
Philosophy (AB)
Philosophy Minor
Physics Department
Biophysics (AB)
Biophysics (BS)
Physics (AB)
Physics (BS)
Physics Minor

Political Science Department
Philosophy, Politics and Economics Certificate
Political Science (AB)
Political Science Minor

Pratt School of Engineering
School of Engineering
Architectural Engineering Certificate
Energy and the Environment Certificate, co-owned with Environmental Sciences
Energy Engineering Minor

Biomedical Engineering Department
Biomedical Engineering (BSE)

Civil & Environmental Engineering Department
Civil Engineering (BSE)
Environmental Engineering (BSE)
Global Development Engineering Certificate

Electrical & Computer Engineering Department
Electrical and Computer Engineering (BSE)
Electrical and Computer Engineering Minor
Interdisciplinary Program in Engineering (IDEAS) (BSE)
Machine Learning and Artificial Intelligence Minor

Mechanical Engineering & Materials Science Department
Aerospace Engineering Certificate
Materials Science and Engineering Certificate
Mechanical Engineering (BSE)
Robotics and Automation Certificate

Psychology Department
Psychology (AB)
Psychology (BS)
Psychology Minor

Religious Studies Department
Ancient Religion and Society, Interdepartmental (AB), co-owned with Sociology Department
Religion (AB)
Religion Minor

Romance Studies Department
Brazilian and Global Portuguese Studies (AB)
Brazilian and Global Portuguese Studies Minor
French Studies (AB)
French Studies Minor
Italian Studies (AB)
Italian Studies Minor
Romance Studies (AB)
Spanish (AB)
Spanish Minor

School of Public Policy
Public Policy (AB)
Duke University

**Science & Society**
Digital Intelligence Certificate
Science and the Public Certificate

**Slavic and Eurasian Studies**
Polish Minor
Russian (AB)
Russian Minor
Russian and East European Literature in Translation Minor
Slavic and Eurasian Studies (AB)

**Sociology Department**
Medical Sociology Minor
Sociology (AB)
Sociology Minor

**Statistical Science**
Data Science: STA+CS, Interdepartmental (BS), co-owned with Computer Science Department
Statistical Science (AB)
Statistical Science (BS)
Statistical Science Minor

**Theater Studies**
Musical Theater Minor
Theater Studies (AB)
Theater Studies Minor

**Bachelor's Programs**
African & African American Studies (AB)
Ancient Religion and Society, Interdepartmental (AB)
Art History (AB)
Art History and Visual Arts (AB)
Asian and Middle Eastern Studies (AB)
Biology (AB)
Biology (BS)
Biomedical Engineering (BSE)
Biophysics (AB)
Biophysics (BS)
Brazilian and Global Portuguese Studies (AB)
Chemistry (AB)
Chemistry (BS)
Civil Engineering (BSE)
Classical Civilization (AB)
Classical Languages (AB)
Computational Media, Interdepartmental (AB)
Computer Science (AB)
Computer Science (BS)
Cultural Anthropology (AB)
Dance (AB)
Data Science: Math+CS, Interdepartmental (BS)
Data Science: STA+CS, Interdepartmental (BS)
Earth and Climate Sciences (AB)
Earth and Climate Sciences (BS)
Economics (AB)
Economics (BS)
Electrical and Computer Engineering (BSE)
English (AB)
Duke University

Environmental Engineering (BSE)
Environmental Sciences (BS)
Environmental Sciences and Policy (AB)
Evolutionary Anthropology (AB)
Evolutionary Anthropology (BS)
French Studies (AB)
Gender, Sexuality, and Feminist Studies (AB)
German (AB)
Global Cultural Studies in the Literature Program (AB)
Global Gender Studies, Interdepartmental (AB)
Global Health (AB2)
History (AB)
Interdisciplinary Program in Engineering (IDEAS) (BSE)
International Comparative Studies (AB)
Italian Studies (AB)
Linguistics (AB)
Linguistics and Computer Science, Interdepartmental (AB)
Marine Science and Conservation (AB)
Marine Science and Conservation (BS)
Mathematics (AB)
Mathematics (BS)
Mechanical Engineering (BSE)
Medieval and Renaissance Studies (AB)
Music (AB)
Neuroscience (AB)
Neuroscience (BS)
Philosophy (AB)
Physics (AB)
Physics (BS)
Political Science (AB)
Psychology (AB)
Psychology (BS)
Public Policy (AB)
Religion (AB)
Romance Studies (AB)
Russian (AB)
Slavic and Eurasian Studies (AB)
Sociology (AB)
Spanish (AB)
Statistical Science (AB)
Statistical Science (BS)
Theater Studies (AB)
Visual and Media Studies (AB)
Visual Arts (AB)

Minors
African & African American Studies Minor
Art History Minor
Asian American and Diaspora Studies Minor
Asian and Middle Eastern Studies Minor
Biology Minor
Brazilian and Global Portuguese Studies Minor
Chemistry Minor
Cinematic Arts Minor
Classical Archaeology Minor
Classical Civilizations Minor
Computational Biology and Bioinformatics Minor
Computational Media Minor
Computer Science Minor
Computer Science Artificial Intelligence Minor
Creative Writing Minor
Cultural Anthropology Minor
Dance Minor
Earth and Climate Sciences Minor
Economics Minor
Education Minor
Electrical and Computer Engineering Minor
Energy Engineering Minor
English Minor
Environmental Sciences and Policy Minor
Evolutionary Anthropology Minor
Financial Economics Minor
French Studies Minor
Gender, Sexuality, and Feminist Studies Minor
German Minor
Global Cultural Studies in the Literature Program Minor
Global Health Minor
Greek Minor
History Minor
Inequality Studies Minor
Italian Studies Minor
Journalism and Media Minor
Latin Minor
Linguistics Minor
Machine Learning and Artificial Intelligence Minor
Marine Science and Conservation Minor
Mathematics Minor
Medical Sociology Minor
Medieval and Renaissance Studies Minor
Music Minor
Music Listening-Focused Minor
Musical Theater Minor
Neuroscience Minor
Philosophy Minor
Photography Minor
Physics Minor
Polish Minor
Political Science Minor
Psychology Minor
Religion Minor
Russian Minor
Russian and East European Literature in Translation Minor
Sexuality Studies Minor
Sociology Minor
Spanish Minor
Statistical Science Minor
Theater Studies Minor
Visual and Media Studies Minor
Visual Arts Minor

Certificates
Aerospace Engineering Certificate
Architectural Engineering Certificate
Child Policy Research Certificate
Decision Sciences Certificate
Digital Intelligence Certificate
Documentary Studies Certificate
Energy and the Environment Certificate
Ethics & Society Certificate
Global Development Engineering Certificate
Health Policy Certificate
Human Rights Certificate
Information Science + Studies Certificate
Innovation and Entrepreneurship Certificate
Islamic Studies Certificate
Jewish Studies Certificate
Latin American and Caribbean Studies Certificate
Latino Studies Global South Certificate
Markets and Management Certificate
Materials Science and Engineering Certificate
Philosophy, Politics and Economics Certificate
Robotics and Automation Certificate
Science and the Public Certificate
Sustainability Engagement Certificate

**African & African American Studies (AB)**

**Program Code:** U-AFRI-AB  
**Degree Designation:** Bachelor of Arts  
**Department:** African & African American Studies Program  
**Website:** aaas.duke.edu/undergraduate/major-minor

**Program Summary**

The Department of African & African American Studies offers undergraduate degrees that equip students with bodies of knowledge that emerge from studying the histories, cultures, and social realities of African and African American peoples, and others of African descent across the diaspora. Mastering this knowledge will also produce a broad-based interdisciplinary learning experience that contributes to an intellectual, personal, and social maturation process. Students may choose to focus on Africa or the Americas.

The program offers work leading to Graduation with Distinction. See the section on honors in this bulletin and contact the director of undergraduate studies if you are interested in pursuing this.

Go to Programs by Department to view all related programs.

**Academic Requirements**

**Academic Requirements**

The major requires ten courses – two introductory courses (102 and 103) and eight 1 credit courses at the 200-level or above. Students may choose one of the following two options.

- **The Americas Focus**
  - African & African American Studies 102 (Introduction to African American Studies)
  - African & African American Studies 103 (Introduction to African Studies)
  - Three courses at the 200-level or above, focused on the Americas, in or cross-listed with African & African American Studies, and each of the following Areas of Knowledge represented across the three-course selection:
    - Arts, Literatures, and Performance (ALP)
    - Civilizations (CZ)
    - Social Sciences (SS)
  - Four additional courses at the 200-level or above, in or cross-listed with African & African American Studies
  - African & African American Studies 499S (Senior Seminar)

- **Africa Focus**
  - African & African American Studies 102 (Introduction to African American Studies)
African & African American Studies 103 (Introduction to African Studies)

Three courses at the 200-level or above, focused on Africa, in or cross-listed with African & African American Studies, and each of the following Areas of Knowledge represented across the three-course selection:
- Arts, Literatures, and Performance (ALP)
- Civilizations (CZ)
- Social Sciences (SS)

Four additional courses at the 200-level or above, in or cross-listed with African & African American Studies

Ancient Religion and Society, Interdepartmental (AB)

Program Code: U-IRLSO-AB

Degree Designation: Bachelor of Arts

Department: Classical Studies Department, Religious Studies Department

Website: religiousstudies.duke.edu/undergraduate/interdepartmental-major

Program Summary

This interdepartmental major (IDM) between Religious Studies and Classical Studies is for anyone interested in the many ways that religion shaped history, society, and thought in the ancient Mediterranean, particularly within the Greek and Roman traditions. In this cultural context, a rich variety of Greco-Roman religious cults and ritual practices intersected with Judaism, Christianity, and (eventually) Islam, as well as with myth, magic, and other expressions of humanity's relationship to notions of the divine. Just as students in Religious Studies often look to Classical Studies for social and cultural background, so too Classicists attend to the fundamental role played by religion in their understanding of the Greco-Roman world.

In this IDM, both disciplines work together to provide essential content, context, methodologies, and skills, and to yield the kind of insight into religious experiences and traditions that is beyond the reach of either discipline alone. The IDM differs significantly from a Religious Studies major in its emphasis on the socio-cultural and political and intellectual histories of Greece and Rome, the optional focus on an ancient language as a fundamental for the major, and the focus on Greek and Roman literature and material culture. The IDM differs significantly from a Classical Studies major in its emphasis on religious traditions and the themes and methodologies that characterize the contemporary study of religion.

Core parts of the research and coursework in a Religious Studies Department involve texts, buildings, and artifacts, particularly those in the Jewish and Christian traditions, that reside in an ancient historical, social, intellectual, and literary culture that is usually considered the focus of a Classical Studies Department. Likewise, the classical era (especially the Hellenistic and Imperial periods) contains hugely important texts and archeological remains, again mostly but not exclusively Jewish and Christian, that are downplayed or even ignored in preference to literary or non-religious narratives. In the 1st and 2nd centuries CE, for example, Classicists look to the likes of Tacitus, Pliny, Martial, Plutarch, Lucian, Galen, Dio, Aristides, Fronto, and the Greek novels, while scholars of religion focus on writings such as the Pauline letters, the gospels, Justin Martyr, Ignatius, Irenaeus, Clement, Philo, the novelistic Joseph and Aseneth and Acts, Apocalypses and other early Christian Apocrypha. Yet these all existed in the same time, and many in the same place! Recent developments in ancient Mediterranean studies are increasingly focusing on this problem, or rather opportunity, and this major is then a way for a student to travel down a leading-edge path through this interdisciplinary study of the ancient world.

Go to Programs by Department to view all related programs.

Ancient Religion and Society, Interdepartmental (AB) (U-IRLSO-AB)

Academic Requirements

Required courses in the Religious Studies Department

- Seven Religious Studies courses in total, at least five of which must be numbered 200 or above.
- At least one course must be on a religious tradition outside the Mediterranean. The following courses satisfy this requirement: RELIGION 110, 120, 160, 165FS, 175, 176, 219S, 242, 321S, 322, 323, 323S, 325S, 373S, 374S, 375, 376, 380, 384S, 386S, 388S.

Required courses in the Classical Studies Department

- Seven Classical Studies courses in total, at least five of which must be numbered 200 or above.
- Option 1 (historical emphasis): CLST 283 and 284.
- Option 2 (language emphasis): One year of classical Greek or Latin at or above the 250-level. Note: The two options may not be combined (e.g., CLST 283 and LATIN 252 does not satisfy the requirement)
- At least 2 courses that focus on Classical Civilization as it relates to ethics, myth, religions, or socio-cultural components broadly foundational for the study of religion. (The following courses satisfy this requirement CLST 208, 264, 268S, 271, 312S, 354, 360.)

In either department
One course (of the fourteen total) must be a small-group learning experience. This may be the CLST capstone course, or an independent study or honors project in either department.

Art History (AB)
Program Code: U-ART-AB
Degree Designation: Bachelor of Arts
Department: Art & Art History Department
Website: aahvs.duke.edu/undergraduate/majors/art-history

Program Summary
Art history is the study of works of art in the context of the broader social, political, and intellectual cultures of which they are a part. Studying art history develops the ability to evaluate and organize information, visual as well as verbal; it also enhances the faculties of creative imagination, precise observation, clear expression, and critical judgment. Students of art history acquire a sophisticated understanding of the theory and practice of artistic production and reception.

A major or second major in art history provides basic training for those interested in teaching, museum and gallery work, art publishing, and advertising; the major also furnishes an appropriate background for graduate training in architecture. Art history's emphasis on careful observation, the ordering of diverse sorts of information, expository writing, and scholarly research makes it a good general preparation for any profession.

Go to Programs by Department to view all related programs.

Academic Requirements

Academic Requirements
The major in art history requires at least eleven courses, eight of which must be at the 200-level or above. The following courses are required: one (1) Foundations (100-level) course, one (1) Visual Arts (practice-based) course, and two (2) upper-level (400-699-level) seminars. Students pursuing Graduation with Distinction take the Honors Thesis Workshop (Art History 495S) as one of the upper-level seminars. The remaining eight courses must be in at least four of the following five geographical areas, and one course in each of the three chronological periods: Europe and the Mediterranean, Asia and the Pacific, the Americas, Middle East and Africa, Trans-cultural; Prehistoric-1200, 1200-1800, and 1800-present. Individual courses can fulfill both a Geographical and a Chronological requirement.

The requirements and prerequisites for the major can be satisfied by courses taken at other institutions or abroad, but no more than two courses taken away from Duke may count toward the major. Further courses are available for credit at North Carolina State University and The University of North Carolina at Chapel Hill.

Students planning to attend graduate school should consider taking two 500 to 699-level seminars: Art History 543S (Methodology of Art History), and a second seminar in the same field as a 200-level course already taken by the student. For example, Art History 255 (Art in Renaissance Italy), is a logical preparation for Art History 590S-4 (Topics in Italian Renaissance Art). Two years of a foreign language at the college level are strongly recommended.

Concentration in Architecture
Thirteen courses are required in four broad areas:

- Either Art History 491/493 or 492/494 on a subject approved by the concentration in architecture advisor, or a relevant 500-699-level seminar
- Seven additional courses in art history, including at least three of the following: Art History 225, 226, 258, 382, 285 or 286D, or topics courses that focus on space or architecture in visual and media studies or art history
- Two courses in the visual arts
- Three courses in mathematics, physics, and/or engineering courses that offer or require advanced math or physics skills (recommended courses include Mathematics 111L, 112L, and 212; Physics 141L or 142L; Civil and Environmental Engineering 311 or 411). Distribution requirements for the major must be fulfilled.

Concentration in Museum Theory and Practice
The concentration allows students insight into the nature and ideology of the museum as a cultural institution, while also providing hands-on experience, working closely with museum staff to gain essential career preparation.

Students must take at least one of the following, preferably in their Junior year—Museum Theory and Practice (Art History 220); The Museum Object: Art and Artifacts on Display (Art History 221S). Students must also take Museum Internship 1 (Art History 310); and one of the following: Museum Internship 2 (Art History 311); Curatorial Practicum (Art History 455S); History and Theory of Curatorial Practice (Art History 222S). Those students who do not take both Art History 220 and Art History 221S must select two of the following courses: Art History 311, Art History 455S, Art History 222S. Students must take seven courses in Art History, including one (1) Foundations (100-level) course and at least one practice-based Visual Arts
course. The two Wired! proseminars (Visual and Media Studies 580S and Visual and Media Studies 581S) and “The Lives of Things” (Visual and Media Studies 590) are recommended as offering opportunities to engage with digital technologies for museum installations and public outreach. Distribution requirements for the major must be fulfilled.

**Art History and Visual Arts (AB)**
Program Code: U-AHVA-AB  
Degree Designation: Bachelor of Arts  
Department: Art & Art History Department  
Website: aahvs.duke.edu/undergraduate/majors/art-history-visual-arts

**Program Summary**
Art history is the study of works of art in the context of the broader social, political, and intellectual cultures of which they are a part. Studying art history develops the ability to evaluate and organize information, visual as well as verbal; it also enhances the faculties of creative imagination, precise observation, clear expression, and critical judgment. Students of art history acquire a sophisticated understanding of the theory and practice of artistic production and reception. A major or second major in art history provides basic training for those interested in teaching, museum and gallery work, art publishing, and advertising; the major also furnishes an appropriate background for graduate training in architecture. Art history’s emphasis on careful observation, the ordering of diverse sorts of information, expository writing, and scholarly research makes it a good general preparation for any profession.

Studio art courses offer directed experiences in the practice of the visual arts, enhancing the understanding of art both within the history of culture and as an individual human achievement. Department offerings emphasize the analysis and articulation of visual concepts and processes as they relate to a broader education in the humanities and sciences.

Go to [Programs by Department](#) to view all related programs.

**Academic Requirements**

**Academic Requirements**
A combined major in art history and visual arts requires at least fourteen courses. These include: Visual Arts 199 (Drawing) and Art History 104 (Exploring Art and Architecture); and twelve upper-level courses. The twelve upper-level courses are to be divided as follows:

- **Art History**: Six upper-level courses distributed across the fields of ancient, medieval, Renaissance/Baroque, modern, and non-Western (pre-Columbian, African, Asian). Students must take at least one course in four of these five areas. At least one of these courses must be a 500- to 699-level seminar.
- **Visual Arts**: Six 200-level courses including a minimum of one course in at least three of the following primary areas of instruction: arts of the moving image, graphic design, painting, photography, print making, and sculpture. Students are encouraged to enroll as seniors in an independent study and, during the spring of that year, in Visual Arts 390S (Special Topics in Visual Arts).

**Asian and Middle Eastern Studies (AB)**
Program Code: U-AMES-AB  
Degree Designation: Bachelor of Arts  
Department: Asian & Middle Eastern Studies  
Website: asianmideast.duke.edu/undergraduate/major-minors

**Program Summary**
The Department of Asian & Middle Eastern Studies explores the cultures of the cities, nations, and regions of East Asia, the Indian Subcontinent, and the Middle East within the framework of the humanities. It provides students with an understanding of the languages, histories, cultural practices, and perspectives of these regions to prepare them for professional work or advanced graduate studies in the international arenas. The curriculum is designed to develop reflective, critical thinking and conceptually grounded understanding of the contemporary cultures of Asia and the Middle East within a global, geopolitical context. The coursework for the major provides an intellectual training that includes the study of languages and of cultural practices as well as of critical frameworks for the analysis of cultural perspectives. The concentration of the major is determined by the language of study: Arabic, Chinese, Hebrew, Hindi, Japanese, Korean, Persian, or Turkish. Majors will be advised by AMES regular-ranked faculty.

Go to [Programs by Department](#) to view all related programs.

**Departmental Graduation with Distinction**
Majors with grade point averages of 3.5 or higher in the major may apply in their junior year to the director of undergraduate studies for Graduation with Distinction (see the section on honors in this bulletin). Students working on their honors thesis will take AMES 493 Research Independent Study with their advisor in the fall semester and two departmental honors seminars, one in the fall semester (AMES 4985 [0.5 credit]) and one in the spring semester (AMES 4995). Students will have an oral defense of their theses at the end of their final semester. In order to graduate with honors, the student must obtain at least an A in the honors seminars.

Asian and Middle Eastern Studies (AB) (U-AMES-AB)

Academic Requirements

To major in Asian and Middle Eastern studies, students should take at least ten courses (no fewer than ten credits) in the department, distributed as follows:

- For advanced linguistic skills, students should take at least two language courses at the 300 level in one AMES language or one course at the 400 level or above. Students may take up to six language classes altogether, not necessarily in one language. Students whose competence in a language exceeds the most advanced language course offered by the department may substitute language courses with literature/culture courses at the 100 level or above. 100-level language courses do not count toward the major.
- For a critical engagement with the cultural traditions of Asia and the Middle East, students are required to take four to nine AMES literature/culture courses at the 100 level or above, but no more than two courses at the 100 level.
  - Students are required to take an AMES Gateway Course.
  - Students should identify one main AMES regional or thematic pathway and complete at least three courses in the chosen pathway. Regional pathways include: (i) The Middle East; (ii) East Asia; (iii) The Indian Subcontinent. Thematic pathways include: (i) Race, Religion, Class, Gender; (ii) Empire, Nation, Migration; and (iii) Literature, Culture, Media.
- For reflection on their academic trajectory and their accomplishments in studying the languages and cultures of Asia and the Middle East, students turn in a senior portfolio at the conclusion of their final semester. The portfolio includes research papers, papers in AMES languages, creative works, and publications when applicable.

Study Abroad

Study abroad should be an integral part of the student's experience will be study abroad; while not a requirement of the major, it is strongly encouraged. Students should discuss this option as early as possible with their major advisor. Students who study abroad may transfer up to five language credits and up to two literature and culture credits, but no more than five credits altogether, toward their major in Asian & Middle Eastern Studies.

Biology (AB)

Program Code: U-BIO-AB
Degree Designation: Bachelor of Arts
Department: Biology Department
Website: biology.duke.edu/undergraduate/majors-minor/major-requirements

Program Summary

The biology major and minor and biology courses in a variety of areas are offered by the Department of Biology. Additional courses in the biological sciences are offered by the departments of evolutionary anthropology, chemistry, and psychology in Trinity College of Arts & Sciences; by the basic sciences departments in the School of Medicine; and by the Pratt School of Engineering and the Nicholas School of the Environment.

The bachelor of arts and the bachelor of science degrees are offered with a major in biology or in an individually designed interdepartmental concentration approved by the director of undergraduate studies in biology. Information may be obtained in the office of the director of undergraduate studies.

This degree program is a general liberal arts major program. Students contemplating a career in biological or biomedical sciences should elect the program leading to the BS degree.

Go to Programs by Department to view all related programs.

Departmental Graduation with Distinction

Biology majors who achieve excellence in both their studies and a research-based thesis may apply for Graduation with Distinction in biology. Students may apply if they have a grade point average of 3.0 or above in biology courses, not including independent study, at the time of application. The award of distinction requires the maintenance of this grade point average and completion of an original research project, usually carried out as an independent study in biology or as an interdisciplinary study that includes biology. The application for distinction must be endorsed by the student's research supervisor. Distinction will be awarded by a three-member faculty committee based on an oral poster presentation and the written thesis. See the director of undergraduate studies for more details.

Areas of Concentration
Students may elect to complete requirements in specified areas of concentration. Currently, available areas of concentration in the biology major are anatomy, physiology, and biomechanics; animal behavior; biochemistry; cell and molecular biology; ecology; evolutionary biology; genetics; genomics; marine biology; neurobiology; pharmacology; and plant biology. For information on areas of concentration see the director of undergraduate studies.

### Academic Requirements

**Academic Requirements**

A minimum of thirteen courses is required for this major.

**Prerequisites.** Chemistry 101DL or equivalent

**Corequisites.** Mathematics 105L and 106L, or equivalent, or Statistical Science 101 or above (102 recommended) or Biology 304

**Major Requirements.** One or two gateway courses: Either one in molecular biology (Biology 201L) and one in genetics and evolution (Biology 202L), or for students with a 5 on the AP exam or equivalent, one course in molecular biology, genetics, and evolution (Biology 203L). These courses are prerequisites to many of the advanced courses in these subject areas. In addition to the Biology 201L and 202L, a minimum of eight full courses in at least eight-course registrations in the biological sciences, not including the above corequisites or courses specified not for science majors; or, in addition to the Biology 203L a minimum of nine full courses in at least nine-course registrations in the biological sciences, not including the above corequisites or courses specified not for science majors; two of these eight (or nine) courses must include related laboratory experience at the 200 level or above; one laboratory independent study course may be counted toward the laboratory requirement. The eight (or nine) courses must include one course in structure and function (chosen from a list of approved courses), one course in organismal diversity (chosen from a list of approved courses), and one course in ecology (chosen from a list of approved courses). The remaining courses may be elected from among courses numbered 200 or above in biology, or from approved courses in the basic science departments of the School of Medicine; or from approved courses of a basic biological character in related departments. At least one of these eight (or nine) courses must be an advanced course at the 400 level or above in biology. This requirement may not be satisfied by a first semester of an independent study but may be satisfied by a second-semester continuation of an independent study. The elective courses acceptable for a biology major with an area of concentration (see below) are defined by the requirements for that concentration.

### Biology (BS)

**Program Code:** U-BIO-BS  
**Degree Designation:** Bachelor of Science  
**Department:** Biology Department  
**Website:** biology.duke.edu/undergraduate/majors-minor/major-requirements

**Program Summary**

The biology major and minor and biology courses in a variety of areas are offered by the Department of Biology. Additional courses in the biological sciences are offered by the departments of evolutionary anthropology, chemistry, and psychology in Trinity College of Arts & Sciences; by the basic sciences departments in the School of Medicine; and by the Pratt School of Engineering and the Nicholas School of the Environment.

The bachelor of arts and the bachelor of science degrees are offered with a major in biology or in an individually designed interdepartmental concentration approved by the director of undergraduate studies in biology. Information may be obtained in the office of the director of undergraduate studies.

This is the program in biology for students contemplating a career in biological or biomedical sciences.

Go to Programs by Department to view all related programs.

### Departmental Graduation with Distinction

Biology majors who achieve excellence in both their studies and a research-based thesis may apply for Graduation with Distinction in biology. Students may apply if they have a grade point average of 3.0 or above in biology courses, not including independent study, at the time of application. The award of distinction requires the maintenance of this grade point average and completion of an original research project, usually carried out as an independent study in biology or as an interdisciplinary study that includes biology. The application for distinction must be endorsed by the student's research supervisor. Distinction will be awarded by a three-member faculty committee based on an oral poster presentation and the written thesis. See the director of undergraduate studies for more details.

### Areas of Concentration

Students may elect to complete requirements in specified areas of concentration. Currently, available areas of concentration in the biology major are anatomy, physiology, and biomechanics; animal behavior; biochemistry; cell and molecular biology; ecology; evolutionary biology; genetics; genomics; marine biology; neurobiology; pharmacology; and plant biology. For information on areas of concentration see the director of undergraduate studies.
Academic Requirements

A minimum of fifteen courses is required for this major.

Prerequisites. Chemistry 101DL or equivalent.

Corequisites. Chemistry 201DL; Mathematics 21 or 111L, either Calculus II (122, 112L, or 122L) or Statistical Science 101 or above (or 102 recommended) or Biology 304. Physics 141L or 151L. Additional corequisites may be required for professional schools or particular areas of concentration (see below).

Major Requirements. One or two gateway courses: Either one in molecular biology (Biology 201L) and one in genetics and evolution (Biology 202L), or for students with a 5 on the AP exam or equivalent, one course in molecular biology, genetics, and evolution (Biology 203L). These courses are prerequisites to many of the advanced courses in these subject areas. In addition to the Biology 201L and 202L, a minimum of eight full courses in at least eight-course registrations in the biological sciences, not including the above corequisites or courses specified not for science majors; or, in addition to the Biology 203L a minimum of nine full courses in at least nine-course registrations in the biological sciences, not including the above corequisites or courses specified not for science majors; two of these eight (or nine) courses must include related laboratory experience at the 200 level or above; one laboratory independent study course may be counted toward the laboratory requirement. The eight (or nine) courses must include one course in structure and function (chosen from a list of approved courses), one course in organismal diversity (chosen from a list of approved courses), and one course in ecology (chosen from a list of approved courses). The remaining courses may be elected from among courses numbered 200 or above in biology, or from approved courses in the basic science departments of the School of Medicine; or from approved courses of a basic biological character in related departments. Six of these eight (or nine) courses must be in biology. A maximum of two independent study or tutorial courses may be counted toward the eight (or nine) course minimum. At least one of these eight (or nine) courses must be an advanced course at the 400 level in biology. This requirement may not be satisfied by a first semester of an independent study but may be satisfied by a second-semester continuation of an independent study. The elective courses acceptable for a biology major with an area of concentration (see below) are defined by the requirements for that concentration.

Biomedical Engineering (BSE)

Program Code: U-BME-BSE

Degree Designation: Bachelor of Science in Engineering

Department: Pratt School of Engineering, Biomedical Engineering Department

Website: bme.duke.edu/undergrad

Program Summary

The biomedical engineering program is accredited by the Engineering Accreditation Commission of ABET. Our Program Educational Objectives are the following. We expect that after graduation, graduates of our program will be on track to become leaders in corporate, professional, and academic communities. In particular, they will:

• advance in their careers in biomedical engineering or related areas of industry, academia, and medicine;

• engage in lifelong learning, for example, by enrolling in graduate or professional degree programs or receiving advanced training for professional advancement;

• utilize their engineering experience in creating new knowledge or enabling technologies for improvement of human health and health care; and

• understand the social and ethical implications of their work.

Biomedical engineering is the discipline in which the physical, mathematical, and engineering sciences and associated technology are applied to biology and medicine. The program is flexible to match the student's interests; options exist for double majors. Each student selects one of four areas of interest in which to obtain depth in their education. The areas of interest are matched to the laboratories and expertise of the faculty in the department; these include, biomechanics and biomaterials, electrophysiology, imaging and measurement systems; and molecular, cellular, and tissue engineering. Design experience is integrated throughout the curriculum and includes capstone design courses. Many students gain valuable design experience in the course of independent study projects within the research laboratories of the biomedical engineering department.

The biomechanics laboratories use advanced experimental test facilities, data acquisition technologies, computer simulations and theoretical modeling in the study of cells, tissues, and biological structures. The mechanisms of injury, aging, degeneration, and mechanical signal transduction are studied in a variety of biological systems, including biological fluids, the cervical and lumbar spines, diarthrodial joints, and the heart.

Electrophysiology laboratories use large-scale computer modeling, scientific visualization, and experimental data acquisition and analysis to increase basic understanding of normal and abnormal electrical activity in the brain, peripheral nerves, and heart tissue. Other projects involve the study of the effects of externally applied electric fields and radio frequency energy on activity in excitable tissue.

The ultrasound imaging laboratories develop medical imaging methods that leverage the inherent acoustic and mechanical contrast of tissues to
improve image quality and provide novel diagnostic information to clinicians. The laboratories are equipped with a variety of state-of-the-art clinical and research-dedicated ultrasound imaging systems, electronics, and acoustic output characterization tools, as well as acoustic and transducer modeling software.

The biophotonics group develops novel photonics technologies for biological and medical applications. Research areas include optical imaging techniques, advanced spectroscopy methods, plasmonics applications, and new microscopy modalities. Applications span from cell and developmental biology to clinical diagnostics and imaging methods.

Molecular, cellular and tissue engineering is concerned with the regulation of the external and internal environment of the cell for control of biosynthesis and degradation activities, as well as determination of the factors responsible for differentiation of cells into tissues with varying functional requirements. The groups in this program investigate biomaterials, material property characterizations, surface modifications, cell cultures, and the mechanics of biofluids, tissues, and cells. Applications include the development of novel biosensors and drug delivery systems, new techniques for enhanced biological transport, and improved techniques for stimulated repair or inhibited degradation of biological tissues.

Instruction in all these areas is offered at the undergraduate as well as graduate and postdoctoral levels, and opportunities for undergraduate student research are available in most of the biomedical engineering laboratories. The courses offered by the Department of Biomedical Engineering are listed below. Some biomedical engineering courses require students to have a suitable laptop computer with wireless capabilities.

Course Designators:

- (AC) Satisfies an Area Core Class
- (DR) Satisfies the Design requirement
- (GE) Satisfies a Biomedical Engineering General Elective
- (BB) Satisfies a Biomechanics and Biomaterials Advanced Elective
- (EL) Satisfies an Electrobiology Advanced Elective
- (IM) Satisfies an Imaging and Measurement Systems Advanced Elective
- (MC) Satisfies a Molecular, Cellular and Tissue Engineering Advanced Elective

Go to Programs by Department to view all related programs.

Academic Requirements

Academic Requirements

The major requirements are included in the minimum total of 34.0 course credits listed under general requirements. The following specific courses or their approved alternatives must be included: Electrical and Computer Engineering 110L; Engineering 201L; Biomedical Engineering 244L, 260L, 271, 354L; Biomedical Engineering 221L or Mechanical Engineering 221L; two Area of Interest core classes (Biomedical Engineering 301L, 302L, 303, 307); two Advanced Electives from one selected Area of Interest; another Advanced Elective and one General Elective in biomedical engineering; and one biomedical engineering design course (Biomedical Engineering 427L, 432L, 436L, 460L, 462L, 464L, 490L). The BME Undergraduate Program Handbook (available on the departmental website at bme.duke.edu/undergrad/curriculum) provides updated information and examples of course sequences that incorporate all general requirements and departmental requirements comprising the accredited biomedical engineering major.

To encourage depth in a specific area of biomedical engineering, students select two Areas of Interest in the junior year. There are four areas of interest: (1) biomechanics and biomaterials (BB), (2) electrobiology (EL), (3) imaging and measurement systems (IM), and (4) molecular, cellular, and tissue engineering (MC). Students must take one core class in each of their two selected areas followed by two Advanced Electives in one of the selected areas. All biomedical engineering elective courses have a general elective (GE) designation. Most 500-level course are designated as Advanced Electives, also, and may have one or more area of interest designations (BB, EL, IM, MC). Students are encouraged to consult with their advisors when selecting areas of interest and electives.

Students intending to study abroad should plan to travel in the fall semester of their junior year. These students should consult with both their advisor and the Global Education Office about course planning. Premed students need to take Chemistry 201L and 202L, Biology 203L or 201L and 201L, and Biochemistry 301 by the end of the junior year. These students should consult with both their advisor and the Office of Health Professions Advising about course planning. More information about study abroad and premed planning, as well as options for dual majors in electrical and computer engineering, civil engineering, and mechanical engineering, can be found in the BME Undergraduate Program Handbook (available at bme.duke.edu/undergrad/curriculum).

Biophysics (AB)

Program Code: U-BPHY-AB
Degree Designation: Bachelor of Arts
Department: Physics Department
Website: physics.duke.edu/undergraduate/biophysics-major
Program Summary

Biophysics is the study of quantitative biological questions using insights, concepts, theory, and experimental techniques from physics, as well as knowledge from biology, chemistry, mathematics, and computer science. The major is a good choice for students who like biology and who enjoy thinking quantitatively. The major prepares students for graduate school in biophysics, diverse areas of biology like cell biology, neuroscience, physiology, and health professions like medicine, veterinary school, and dentistry. (But if a student anticipates applying to graduate school in physics, he or she should consider the Physics major as an alternative.) This major is administered in close cooperation with the departments of biology and chemistry.

A BS in biophysics is also available. Go to Programs by Department to view all related programs.

Academic Requirements

Prerequisites. Chemistry 101DL (or equivalent); Mathematics 122 (or equivalent), 212 and 216.

Major Requirements. Biology 201L and either Biology 202L or 220 or Biology 203L and 220; Physics 161, 164L, 162, 165L (or equivalent); Physics 364L or equivalent; Physics 264L (or Chemistry 310 and either 310L or 311L), Physics 363 (or Chemistry 311); one of Physics: 361, 362, 464, or a director-approved 300-level or above course not including independent studies; Physics 414 and 415; one 200-level or higher director-approved elective course relevant to the biophysics major.

Biophysics (BS)

Program Code: U-BPHY-BS
Degree Designation: Bachelor of Science
Department: Physics Department
Website: physics.duke.edu/undergraduate/biophysics-major

Program Summary

Biophysics is the study of quantitative biological questions using insights, concepts, theory, and experimental techniques from physics, as well as knowledge from biology, chemistry, mathematics, and computer science. The major is a good choice for students who like biology and who enjoy thinking quantitatively. The major prepares students for graduate school in biophysics, diverse areas of biology like cell biology, neuroscience, physiology, and health professions like medicine, veterinary school, and dentistry. (But if a student anticipates applying to graduate school in physics, he or she should consider the Physics major as an alternative.) This major is administered in close cooperation with the departments of biology and chemistry.

An AB in biophysics is also available. Go to Programs by Department to view all related programs.

Academic Requirements

Prerequisites. Chemistry 101DL (or equivalent); Mathematics 122 (or equivalent), 212 (or 222), 221 (or 218), and 356.

Major Requirements. Biology 201L and either Biology 202L or 220 or Biology 203L and 220; Physics 161, 164L, 162, 165L (or equivalent); Physics 264L and 464 (satisfies A) (or Chemistry 310 and either 310L or 311L), Physics 363 (or Chemistry 311); Physics 364L or equivalent; one of Physics 361, 362, 464A, or a director-approved 300-level or above course not including independent studies; Physics 414 and 415; three 200-level or higher director-approved elective courses relevant to the biophysics major.

Brazilian and Global Portuguese Studies (AB)

Program Code: U-BPST-AB
Degree Designation: Bachelor of Arts
Department: Romance Studies Department
Website: romancestudies.duke.edu/brazilian-global-portuguese-major

Program Summary

Students majoring in Brazilian and Global Portuguese studies will acquire competency in spoken and written Portuguese, as well as familiarity with the literature and culture of Brazil and Portuguese-speaking regions.

A minor in this program is also available. Go to Programs by Department to view all related programs.

Departmental Graduation with Distinction
Qualified students may apply for Graduation with Distinction. The application deadline is preregistration for the fall semester of the senior year. Students must find an appropriate faculty advisor to oversee the honors project. The thesis may be written in the language best suited to its likely audience, but students pursuing graduate study in a Romance studies field must write the thesis in the language of the area of study. Further information may be obtained from the director of undergraduate studies or the assistant to the director.

Study Abroad

Students are strongly urged to study abroad since this is the best way to achieve language proficiency and to acquire knowledge of a country’s culture. Courses taken abroad count toward the core and/or related courses as follows:

- **Duke-Administered Summer Programs**
  - **Major:** Two courses may be counted.

- **Non-Duke-Administered Semester Programs**
  - **Major:** A maximum of two courses per semester may be counted toward the core-course requirement.

- **Non-Duke-Administered Summer Programs**
  - **Major:** One course may be counted toward the core-course requirement.

Academic Requirements

A total of ten courses, at least eight of which must be at the 300-level or above. Courses below the 300-level are restricted to Portuguese 203 or 203A, and 204. Six of the ten courses must be taught in Portuguese, or have a Portuguese preceptorial (P) component (taught in Portuguese). The four remaining courses may be taught in English, such as courses in the English-language offerings of Romance studies, or cross-listed courses with at least fifty percent of Brazilian or lusophone content offered by other departments or programs such as history, African and African American studies, cinematic arts, cultural anthropology, English, international comparative area studies, literature, music, political science, religious studies, and theater studies. Duke-approved courses taken in Portuguese in study abroad programs may also count toward this major concentration.

Consult with the undergraduate major advisor concerning approval of related courses.

Chemistry (AB)

Program Code: U-CHEM-AB
Degree Designation: Bachelor of Arts
Department: Chemistry Department
Website: chem.duke.edu/undergraduate/ab

Program Summary

The study of chemistry provides a fascinating and intellectually stimulating foray into the molecular underpinnings of the world around us, and through independent study, an opportunity to participate first hand in cutting edge research that spans a wide range of disciplines in the molecular sciences.

The Chemistry AB major allows greater flexibility than the BS in scheduling and course selection. Students with interests in a second major or in advanced work in a professional school (e.g., medical, dental, veterinary, business, or law) following graduation should consider this program. Students with an interest in employment in the chemical or a related industry, or in advanced study in chemistry or a related science (e.g., Biochemistry or Pharmacology) may also consider this program, although they are encouraged to augment their program with additional upper-level chemistry courses.

Go to Programs by Department to view all related programs.

Departmental Graduation with Distinction

The department offers a program for Graduation with Distinction in chemistry. Selection for the honor by the Chemistry Department Undergraduate Awards Committee is based on fulfilling the following requirements: at least a B average in chemistry courses at the time of application and at graduation, satisfactory completion of at least two courses of research independent study in chemistry (or in an approved chemistry-related area), enrollment and participation in Chemistry 295 (Introduction to Research Independent Study) and Chemistry 496 (Graduation with Distinction in Chemistry), submission of a high quality research thesis based upon the results of independent study, nomination for the honor by the research advisor, presentation of a poster on the research project, and an oral defense of the research thesis.

Academic Requirements

Prerequisites. Chemistry 101DL or 110DL or 21; Mathematics 111L-112L, or 122L; Physics 141L-142L or 151L-152L, or 161L-162L.
Major Requirements. Chemistry 201DL, 202L, 210DL or 20 or 21, 301 and 301L, or 310 and 310L and 311, 401, 401L plus one of the following three course options:

Three of the following: Chemistry 302, 410, any 500 or 600 level courses; Biochemistry 301, 302.

One of the following: Chemistry 302 or 311, 410, any 500 or 600 level courses; Biochemistry 301 plus Chemistry 393 and 394 or the equivalent in an approved chemistry-related discipline.

One of the following:

- Physics emphasis. Chemistry 302 or 311; plus two of the following: Physics 264L, 361, 362.
- Mathematics emphasis. Chemistry 302 or 311; plus either of the following pairs of courses: Mathematics 221 and Mathematics 356, or Mathematics 216 and Mathematics 353.

In certain cases, substitutions may be made for courses outside the chemistry department with consent of the director of undergraduate studies.

The Concentration in Biochemistry

In cooperation with the Department of Biochemistry in the School of Medicine, the chemistry department offers both an AB and a BS degree in chemistry with concentration in biochemistry. Certification of this concentration is designated on the official transcript.

Prerequisites. Chemistry 101DL or 110DL or 21; Mathematics 111L-112L, or 122L; Physics 141L-142L or 151L-152L, or 161L-162L; Biology 201L.

Major Requirements. Chemistry 201DL, 202L, 210DL or 20 or 21, 301 and 301L, or 310 and 310L and 311, 401, 401L; Biochemistry 301, 302; plus one of the following: (Chemistry 393, Biology 293, or Biochemistry 593).

The Concentration in Chemical Biology

The chemistry department offers both an AB and a BS degree in chemistry with a concentration in chemical biology. Certification of the concentration is designated on the official transcript.

Prerequisites. Chemistry 101DL or 110DL or 21; Mathematics 111L-112L, or 122L; Physics 141L-142L or 151L-152L, or 161L-162L; Biology 201L.

Major Requirements. Chemistry 201DL, 202L, 210DL or 20 or 21, 301 and 301L, or 310 and 310L and 311, 401, 401L; Biochemistry 301; Chemistry 517 and 518 plus two semesters of independent study involving some aspect of chemical biology (Chemistry 393, 394 or the equivalent in an approved chemistry-related discipline).

The Concentration in Environmental Chemistry

In conjunction with the Nicholas School of the Environment, the chemistry department is pleased to offer both an AB and a BS degree in chemistry with concentration in environmental chemistry. Official recognition of the completion of the requirements given below will appear on the permanent transcript of a major.

Prerequisites. Chemistry 101DL or 110DL or 21; Mathematics 111L-112L, or 122L; Physics 141L-142L or 151L-152L, or 161L-162L; Biology 201L.

Major Requirements. Chemistry 201DL, 202L, 210DL or 20 or 21, 301 and 301L, or 310 and 310L and 311, 401, 401L; Environment 360; plus two of the following: Environment 239, 540, 542L, Civil Engineering 365, 667; plus one semester of independent study involving some aspect of environmental chemistry (Chemistry 393 or Environment 393 or Civil Engineering 391).

The Concentration in Pharmacology

In conjunction with the Department of Pharmacology in the School of Medicine, the chemistry department offers both an AB and a BS degree in chemistry with a concentration in pharmacology. Certification of the concentration is designated on the official transcript.

Prerequisites. Chemistry 101DL or 110DL or 21; Mathematics 111L-112L, or 122L; Physics 141L-142L or 151L-152L, or 161L-162L; Biology 201L.

Major Requirements. Chemistry 201DL, 202L, 210DL or 20 or 21, 301 and 301L, or 310 and 310L and 311, 401, 401L; Biochemistry 301; Pharmacology 350 and 360; plus two semesters of independent study involving some aspect of pharmacology (Chemistry 393, 394 or Pharmacology 493, 494).

Chemistry (BS)

Program Code: U-CHEM-BS
Degree Designation: Bachelor of Science
Department: Chemistry Department
Website: chem.duke.edu/undergraduate/bs

Program Summary

The study of chemistry provides a fascinating and intellectually stimulating foray into the molecular underpinnings of the world around us, and through independent study, an opportunity to participate first hand in cutting edge research that spans a wide range of disciplines in the molecular sciences.
The BS degree program is recommended for students planning to undertake graduate study in Chemistry or a related science (e.g., Biochemistry or Pharmacology) or for those contemplating employment in the chemical industry following graduation. Go to Programs by Department to view all related programs.

Departmental Graduation with Distinction

The department offers a program for Graduation with Distinction in chemistry. Selection for the honor by the Chemistry Department Undergraduate Awards Committee is based on fulfilling the following requirements: at least a B average in chemistry courses at the time of application and at graduation, satisfactory completion of at least two courses of research independent study in chemistry (or in an approved chemistry-related area), enrollment and participation in Chemistry 295 (Introduction to Research Independent Study) and Chemistry 496 (Graduation with Distinction in Chemistry), submission of a high-quality research thesis based upon the results of independent study, nomination for the honor by the research advisor, presentation of a poster on the research project, and an oral defense of the research thesis.

Academic Requirements

Prerequisites. Chemistry 101DL or 110DL or 21; Mathematics 111L-112L, or 122L, 212; Physics 141L-142L or 151L-152L, or 161L-162L.

Major Requirements. Chemistry 201DL, 202L, 210DL or 20 or 21, 310, 310L, 311, 311L, 393 (or its equivalent in an approved chemistry-related discipline), 401, 401L, 410, 420L; plus two additional courses selected from the following: Biochemistry 301; Chemistry 302, 394 (or its equivalent in an approved chemistry-related discipline), and any chemistry courses at the 500 or 600 level.

The Concentration in Biochemistry

In cooperation with the Department of Biochemistry in the School of Medicine, the chemistry department offers both an AB and a BS degree in chemistry with concentration in biochemistry. Certification of this concentration is designated on the official transcript.

Prerequisites. Chemistry 101DL or 110DL or 21; Mathematics 111L-112L, or 122L; Physics 141L-142L or 151L-152L, or 161L-162L; Biology 201L.

Major Requirements. Chemistry 201DL, 202L, 210DL or 20 or 21, 301 and 301L and 302, or 310 and 310L and 311, 401, 401L, 410; Biochemistry 301, 302; Biology 220; plus one of the following: Chemistry 393, Biology 293, or Biochemistry 593.

The Concentration in Chemical Biology

The chemistry department offers both an AB and a BS degree in chemistry with a concentration in chemical biology. Certification of the concentration is designated on the official transcript.

Prerequisites. Chemistry 101DL or 110DL or 21; Mathematics 111L-112L, or 122L; Physics 141L-142L or 151L-152L, or 161L-162L; Biology 201L.

Major Requirements. Chemistry 201DL, 202L, 210DL or 20 or 21, 301 and 301L and 302, or 310 and 310L and 311, 401, 401L, 410; Biochemistry 301; Chemistry 517 and 518 plus two semesters of independent study involving some aspect of chemical biology (Chemistry 393, 394 or the equivalent in an approved chemistry-related discipline).

The Concentration in Environmental Chemistry

In conjunction with the Nicholas School of the Environment, the chemistry department is pleased to offer both an AB and a BS degree in chemistry with concentration in environmental chemistry. Official recognition of the completion of the requirements given below will appear on the permanent transcript of a major.

Prerequisites. Chemistry 101DL or 110DL or 21; Mathematics 111L-112L, or 122L; Physics 141L-142L or 151L-152L, or 161L-162L; Biology 201L.

Major Requirements. Chemistry 201DL, 202L, 210DL or 20 or 21, 301 and 301L and 302, or 310 and 310L and 311, 401, 401L, 410; Environment 360; plus two of the following: Environment 239, 540, 542L, Civil Engineering 565, 667; plus one semester of independent study involving some aspect of environmental chemistry (Chemistry 393 or Environment 393 or Civil Engineering 391).

The Concentration in Pharmacology

In conjunction with the Department of Pharmacology in the School of Medicine, the chemistry department offers both an AB and a BS degree in chemistry with a concentration in pharmacology. Certification of the concentration is designated on the official transcript.

Prerequisites. Chemistry 101DL or 110DL or 21; Mathematics 111L-112L, or 122L; Physics 141L-142L or 151L-152L, or 161L-162L; Biology 201L.

Major Requirements. Chemistry 201DL, 202L, 210DL or 20 or 21, 301 and 301L and 302, or 310 and 310L and 311, 401, 401L, 410; Biochemistry 301; Pharmacology 350 and 360; plus two semesters of independent study involving some aspect of pharmacology (Chemistry 393, 394 or Pharmacology 493, 494).

Civil Engineering (BSE)
Academic Requirements

The major requirements for civil engineering (CE) are included in the minimum of 34.0 course credits listed under general requirements and departmental requirements.

Meeting the departmental requirements together with the four engineering and applied science courses from the general requirements requires that the following courses must be included. All majors must take Engineering 101L, 201L, 244L and 305; Civil and Environmental Engineering 132L, 201L, 301L, 302L; and Statistical Science 130. All majors must complete at least one concentration: structural engineering and mechanics (S/M) or environmental engineering and water resources (E/W). Majors choosing the structural engineering and mechanics concentration (S/M) must take Civil and Environmental Engineering 461L, 462L, 463L and 469. To complete the engineering and applied sciences general requirement, all majors must take one of the following (electrical science, information and computer science, materials science, thermal science, and transfer processes) courses: Biomedical Engineering 253L, 307, Civil and Environmental Engineering 560, 581, Computer Science 201, Electrical and Computer Engineering 110L, 311, Engineering 224L, Mechanical Engineering and Material Science 221L, 331L, or Physics 271L (students completing the structural engineering and mechanics concentration may take Civil and Environmental Engineering 461L, 463L, or 462L).
students completing the environmental engineering and water resources concentration may take Civil and Environmental Engineering 421L, 422L, or 423L. All majors must take two civil and environmental engineering electives at the 300-level, or higher. All majors have a total of two unrestricted electives.

Toward fulfilling the general requirements, the following elective options must be selected from the following courses. The natural science requirement is satisfied by completing Biology 201L, 215/215L, 275A, 311, Earth and Climate/Ocean Sciences 101, 102, 201L, 202, or 370A. At least one of the five courses used to satisfy the humanities and social sciences requirement, or an approved alternate course, must possess an ethical inquiry (EI) code.

A sample semester-by-semester sequencing of the requirements for the major is available online at cee.duke.edu/undergrad/degrees/ce-planning. Students planning to attend graduate school are strongly advised to use the unrestricted electives to take at least one additional civil and environmental engineering elective, with at least one of them at the 500-level, or higher.

**Classical Civilization (AB)**

Program Code: U-CLST-AB  
Degree Designation: Bachelor of Arts  
Department: Classical Studies Department  
Website: classicalstudies.duke.edu/undergraduate/majors/classical-civilization

**Program Summary**

Courses in the Department of Classical Studies offer the chance to bring to life the past of ancient Greece and Rome, through exploration of their languages, literature, history, philosophy, art, material culture, and more. The department offers courses in Latin, Greek, and classical studies; two majors (classical languages and classical civilization); and four minors (Greek, Latin, classical civilizations, and classical archaeology). This rich field of study invites serious engagement with the complexity of the past and evaluation of its place in the present. In grappling with the classical pasts, students develop the tools and habits for thinking critically across space, time, culture, and disciplinary boundaries.

Go to Programs by Department to view all related programs.

**Departmental Graduation with Distinction**

Graduation with Distinction is available to majors. Eligible students must have a 3.5 grade point average in the major (3.3 overall) at the beginning of their project and must maintain these through completion. In the context of a research independent study (Classical Studies/Greek/Latin 493) the candidate writes a major research paper. A committee of three faculty members votes whether to award Distinction, High Distinction, or Highest Distinction for the work. Majors interested in applying shall consult the director of undergraduate studies by the spring of their junior year.

**Academic Requirements**

**Academic Requirements**

Two required introductory courses: Option 1: Classical Studies 181S or 283 and 182S or 284; Option 2: two courses in Greek or Latin below the 250 level. Note: The two options may not be combined (e.g., Classical Studies 181S and Latin 102 do not satisfy the requirement). Seven classical studies courses at or above the 200 level; literature in the original language, at or above the 250 level. Courses must be in at least three of the following areas: literature in translation at or above the 200 level, or in the original language at or above the 250 level; history; art and archaeology; philosophy. Classical Studies 480S (Capstone Seminar). Latin 251 and 252 will both count toward the classical studies major.

Total: Ten courses and the Senior Dossier. For double majors in classical languages and classical civilization, no more than two courses may be counted toward both majors.

**Classical Languages (AB)**

Program Code: U-CLLA-AB  
Degree Designation: Bachelor of Arts  
Department: Classical Studies Department  
Website: classicalstudies.duke.edu/undergraduate/majors/classical-languages

**Program Summary**

Courses in the Department of Classical Studies offer the chance to bring to life the past of ancient Greece and Rome, through exploration of their languages, literature, history, philosophy, art, material culture, and more. The department offers courses in Latin, Greek, and classical studies; two majors (classical languages and classical civilization); and four minors (Greek, Latin, classical civilizations, and classical archaeology). This rich field of study invites serious engagement with the complexity of the past and evaluation of its place in the present. In grappling with the classical pasts, students develop the tools and habits for thinking critically across space, time, culture, and disciplinary boundaries.
The requirements of the major convey the disciplinary coherence of the field, yet are flexible enough to allow students to develop their own interests as they progress through their course of study.

Go to Programs by Department to view all related programs.

**Departmental Graduation with Distinction**

Graduation with Distinction is available to majors. Eligible students must have a 3.5 grade point average in the major (3.3 overall) at the beginning of their project and must maintain this through completion. In the context of a research independent study (Classical Studies/Greek/Latin 493) the candidate writes a major research paper. A committee of three faculty members votes whether to award Distinction, High Distinction, or Highest Distinction for the work. Majors interested in applying shall consult the director of undergraduate studies by the spring of their junior year.

**Academic Requirements**

**Knowledge of both Greek and Latin through the second year (i.e., through Greek 252 or the equivalent). Eight courses in Greek and/or Latin, at least six of which must be at the 250 level or above; one 200-level or above course in Classical Studies; Classical Studies 480S (Capstone Seminar). Latin 251 and 252 will both count toward the classical studies major.**

**Total: Ten courses and the Senior Dossier. For double majors in classical languages and classical civilization, no more than two courses may be counted toward both majors.**

**Computational Media, Interdepartmental (AB)**

Program Code: U-IVMCS-AB
Degree Designation: Bachelor of Arts
Department: Art & Art History Department, Computer Science Department
Website: cmac.duke.edu/undergraduate

**Program Summary**

The Departments of Art, Art History & Visual Studies and Computer Science sponsor an interdepartmental major and minor in Computational Media. The interdepartmental major is designed for students who want to combine deep theoretical and critical engagement with art, computation, and culture with substantive engagement with core computer science concepts and principles, undertaken alongside hands-on experience with computational media practice. Students interested in areas such as digital humanities, digital media and algorithmic arts, computer interface and experience design, game studies, digital storytelling and data journalism, information aesthetics, computational media ethics, global media studies and related topics will find the program of interest. The major also encourages participation in collaborative, interdisciplinary projects through the required Technical Project Experience, which may be fulfilled through coursework or participation in a variety of related programs such as Data+, Story+, Bass Connections, Code+, CS+ or another approved project experience.

Go to Programs by Department to view all related programs.

**Academic Requirements**

**Knowledge of both Greek and Latin through the second year (i.e., through Greek 252 or the equivalent). Eight courses in Greek and/or Latin, at least six of which must be at the 250 level or above; one 200-level or above course in Classical Studies; Classical Studies 480S (Capstone Seminar). Latin 251 and 252 will both count toward the classical studies major.**

**Total: Ten courses and the Senior Dossier. For double majors in classical languages and classical civilization, no more than two courses may be counted toward both majors.**

**Computational Media, Interdepartmental (AB) (U-IVMCS-AB)**

**Academic Requirements**

The major includes 14 courses, 7 from Computer Science and 7 from Visual and Media Studies. On the Computer Science side, students must take 4 core courses from Computer Science 201, 230 or 330, 250, and a course on computer systems or 370 (Artificial Intelligence) or 371 (Machine Learning). In addition, 3 electives, which may consist of any COMPSCI course at the 200 level or above, with at most two Research Independent Studies. Two of those courses must be 300-level or above. Prerequisites include Compssci 101/102/116, Math 111, Math 112, or 100-level STA or higher. On the Visual and Media Studies side, requirements include VMS 202D: Introduction to Visual Culture; one Theories course, 327S: Theories of Visual Studies or LIT 328S: Media Theory, or an approved alternative; two AAHVS practice-based courses or approved alternatives at the 200-level or above; 3 additional 200+ VMS electives, including approved cross-lists; and one approved Technical Project Experience. All majors are also required to submit a Major Portfolio documenting their work.

**Computer Science (AB)**

Program Code: U-CPS-AB
Degree Designation: Bachelor of Arts
Department: Computer Science Department
Website: cs.duke.edu/undergrad/ba

**Program Summary**
The Department of Computer Science provides courses on the concepts of computing and computers, their capabilities, and uses. In most courses, students make extensive use of the available computing facilities. Students who wish to take a single introductory course as part of their general education usually elect Computer Science 94, 101, 102 or 116.

Go to Programs by Department to view all related programs.

Departmental Graduation with Distinction

A program for Graduation with Distinction in computer science is available. Candidates for a degree with Distinction, High Distinction, or Highest Distinction must apply to the director of undergraduate studies and meet the following criteria. Candidates for Graduation with Distinction must have a grade point average of 3.0 or higher in computer science courses numbered above 200. Candidates must complete a substantial project, representing at least one year’s work and including at least one independent study, under the guidance of a faculty member in computer science who oversees and endorses the project. The project should represent a significant intellectual endeavor including the writing of a report. A presentation of the project must be made to a committee of three faculty members, two of whom will normally be from computer science although for interdisciplinary projects, this restriction can be relaxed. Graduation with High or Highest Distinction is awarded at the discretion of the faculty committee in consultation with the director of undergraduate studies. Graduation with High or Highest Distinction is typically awarded for projects that are of publishable quality. In addition, candidates for a degree with high or highest distinction should have a grade point average of 3.5 or higher in those computer science courses related to the area of research; these courses must include at least one course at the 500 level.

Academic Requirements

**Prerequisites.** Computer Science 101L, 102, or 116 or equivalent; Mathematics 111L or equivalent; Mathematics 112L or equivalent

**Major Requirements.** Computer Science 201, 230, 250, 330, and one systems course from 310, 316, 350, 351, 356, or their 500-level versions (310, 516, 550, 551, 514). Three electives at 200-level or higher: one in Computer Science (not an independent study course); and two in either Computer Science (independent study possible), Electrical and Computer Engineering, Mathematics, Statistical Science, or a related area approved by the director of undergraduate studies.

Computer Science (BS)

Program Code: U-CPS-BS
Degree Designation: Bachelor of Science
Department: Computer Science Department
Website: cs.duke.edu/undergrad/bs

Program Summary

The Department of Computer Science provides courses on the concepts of computing and computers, their capabilities, and uses. In most courses, students make extensive use of the available computing facilities. Students who wish to take a single introductory course as part of their general education usually elect Computer Science 94, 101, 102 or 116.

Go to Programs by Department to view all related programs.

Departmental Graduation with Distinction

A program for Graduation with Distinction in computer science is available. Candidates for a degree with Distinction, High Distinction, or Highest Distinction must apply to the director of undergraduate studies and meet the following criteria. Candidates for Graduation with Distinction must have a grade point average of 3.0 or higher in computer science courses numbered above 200. Candidates must complete a substantial project, representing at least one year’s work and including at least one independent study, under the guidance of a faculty member in computer science who oversees and endorses the project. The project should represent a significant intellectual endeavor including the writing of a report. A presentation of the project must be made to a committee of three faculty members, two of whom will normally be from computer science although for interdisciplinary projects, this restriction can be relaxed. Graduation with High or Highest Distinction is awarded at the discretion of the faculty committee in consultation with the director of undergraduate studies. Graduation with High or Highest Distinction is typically awarded for projects that are of publishable quality. In addition, candidates for a degree with high or highest distinction should have a grade point average of 3.5 or higher in those computer science courses related to the area of research; these courses must include at least one course at the 500 level.

Academic Requirements

**Prerequisites.** Computer Science 101L, 102, or 116 or equivalent; Mathematics 111L or equivalent; Mathematics 112L or equivalent
Major Requirements. Computer Science 201, 230, 250, 330, and one systems course from 310, 316, 350, 351, 356, or their 500-level versions (510, 516, 550, 551, 514). Two courses in Mathematics/Statistical Science: one of Mathematics 202, 216, 218, or 221; and one Statistical Science course at or above Statistical Science 111, including the cross-listed Mathematics 230. Five electives at 200-level or higher: three in Computer Science (and not independent study courses); and two in either Computer Science (independent study possible), Electrical and Computer Engineering, Mathematics, Statistical Science, or a related area approved by the director of undergraduate studies.

Cultural Anthropology (AB)
Program Code: U-CA-AB
Degree Designation: Bachelor of Arts
Department: Cultural Anthropology Department
Website: culturalanthropology.duke.edu/undergraduate/degree-options

Program Summary
Cultural anthropology is a comparative discipline that studies human social life across the world's diverse peoples and cultures. Cultural anthropology is the science of contemporary life: it emphasizes how power, identity, inequality, and social justice shape everyday life and global processes. It uniquely bridges the social sciences and the humanities with its holistic approach. Cultural anthropologists at Duke conduct research on a wide range of urgent issues, including racism, digital media, science and technology, ethnic identities, environment and climate change, health and medicine, music and performance, gender and sexuality, economic inequality, migration, sports, religion and myth, food politics, human rights, Indigenous sovereignty, and design. What unites these varied topics is a research method called ethnography. Ethnography is an empirical social research method focused on an engaged and community-based inquiry into everyday practices and how people make sense of them. It can involve participant observation, interviews, life histories, and action-oriented research, and is a widely applicable career skill. Ethnography reveals local solutions to global challenges.

The department offers a wide range of courses that introduce the discipline's core concepts and topics and that train students in ethnographic thinking, research, ethics, writing, and application. Courses in cultural anthropology often draw on in-depth case studies from different world areas to explore a specific topic. Faculty integrate their ethnographic fieldwork into courses, and the Department has special strengths in Africa and the African diaspora, Latin America, the Middle East, East Asia, South Asia, the United States, and Native North America.

Cultural Anthropology majors can take a broad approach to their studies and select courses that cover many topics, places, and communities. Should they choose, they can select courses that allow them to concentrate on a particular area of the world or a particular topic. They are encouraged to conduct original, independent ethnographic research, or to build a portfolio of course or project work that supports their professional aims.

Cultural Anthropology students have multiple career options owing to the program's flexible and rigorous training. Majors often pursue graduate studies in law, medicine, public policy, social work, and business. They work in journalism, tech, design, consulting, and international development and in government, corporate, and non-profit sectors with a global or multicultural focus. All of these opportunities value the skills of social analysis and the understanding of cultural diversity that cultural anthropology training emphasizes.

Students without prerequisites for a course may ask the instructor for admission.

Go to Programs by Department to view all related programs.

Departmental Graduation with Distinction
The department offers an intensive and personalized Graduation with Distinction program to qualified seniors, who research and write a senior thesis on a topic of their own choice in close collaboration with members of the cultural anthropology faculty. Admission to the program requires a 3.0-grade point average overall and a 3.3 grade point average in the major, both of which must be maintained to graduation for the student to be eligible for distinction. Qualified juniors will be notified each year by the Director of Undergraduate Studies about their eligibility. To pursue distinction, students must then enroll in the senior seminar, Cultural Anthropology 498S and Cultural Anthropology 499S, in the fall and spring of their senior year, where they will learn about research methods and prepare a thesis. Credit for Cultural Anthropology 498S and Cultural Anthropology 499S is given for a passing grade whether or not the student is awarded a distinction. The thesis can be based on original fieldwork on a topic of the student's choice, archival or library research, media analysis, or some combination of various anthropological methods. The student also forms a supervisory committee for the thesis during the fall of the senior year. It should consist of three faculty members who offer the student advice and support in preparing the thesis. At least two of the members must be faculty from the cultural anthropology department. Due in April of the senior year, the thesis must be judged of at least B+ quality by the supervisory committee to receive the distinction. In addition, the student must pass an oral examination on the thesis, which is given on its completion by the supervisory committee, and present their findings to the public. Students who fulfill the above requirements graduate with distinction in cultural anthropology. A typical sequence would be: select a research topic and conduct research in the summer before senior year; take the senior seminar in fall and spring; form a supervisory committee; complete the research and writing by April and submit the final draft to the supervisory committee; schedule the oral defense for some time in early or mid-April; and defend the thesis in an oral examination given by the supervisory committee.

Academic Requirements
Academic Requirements

Major Requirements. A total of ten courses distributed in the following manner: Cultural Anthropology 101, 301, and 302; six courses at the 100 level or above, including at least one at the 300 level or above; and one additional cultural anthropology course at any level. The one additional cultural anthropology course at any level may include courses from the FOCUS program and Duke Engage courses cross-listed with Cultural Anthropology, as well as approved study abroad courses.

CULANTH 101, Introduction to Cultural Anthropology, is required of all majors and minors, is taught in fall and spring terms, and should ideally be taken in the first or second year of study. Cultural Anthropology majors are strongly encouraged to complete CULANTH 101 and either CULANTH 301 or CULANTH 302 before a study-away semester.

Students must take at least five of their ten courses with instructors whose primary appointment is in the Department of Cultural Anthropology. The Senior Seminar sequence counts toward this requirement. 3 courses may be counted toward the Cultural Anthropology major from study abroad or transfer institutions. Students seeking Cultural Anthropology approval for a study-abroad class need to send the full syllabus to the DUS for approval. Independent studies done abroad will not be counted.

Suggested Work in Related Disciplines. Related courses in other departments are strongly advised. Each student's advisor will recommend a program of related work to complement the student's concentration and interests in cultural anthropology.

Dance (AB)

Program Code: U-DANCE-AB
Degree Designation: Bachelor of Arts
Department: Dance Department
Website: danceprogram.duke.edu/undergraduate/major

Program Summary
The Duke University Dance Program offers a major and minor in dance. The program focuses on dance as an integral part of the human experience and a medium for rigorous intellectual creativity. Our aim is to engage students in the profound potential for dance as embodied knowledge in the service of society. The Dance Program curriculum is designed to encourage the exploration of dance from interdisciplinary perspectives: historical, cultural, aesthetic, literary, technological, musical, scientific, and creative.

The Dance Program welcomes all students, regardless of the extent of their experience in dance. The curriculum provides opportunities to encounter dance traditions and movement experimentation as processes for discovery, communication, inquiry, and discourse. Students already deeply engaged in specific dance forms can explore and further enhance their physical, performance, and creative capacities. Students will experience dance as a mode for personal development and leadership and as a transformative force for social action. As the landscape of dance continues to evolve, Duke Dance Program students will gain the knowledge and skills to impact the nature and function of dance in contemporary society and reimagine the future of performance. They will move into action, agency, and sustainability with tools that can transform relationships locally and globally.

Students are encouraged to enroll in a summer session with the American Dance Festival. One course credit earned at the American Dance Festival may be counted toward the requirements of the major or minor.

Ten hours total of service work are required of each student majoring in dance, and eight hours total of service work are required of each student minoring in dance. This requirement may be completed at any time during the four-year undergraduate experience.

A minor in dance is also available. Go to Programs by Department to view all related programs.

Academic Requirements

Academic Requirements

Four pathways highlight the research trajectories of the Dance Program. None of the pathways targets a specific physical style or cultural tradition; rather, these traditions interweave through all the pathways.

These pathways are:
1. Dancing Cultures
2. Being and Healing
3. Process, Practice, and Research
4. Social Issues and Social Action

Please refer to the Dance Program website (danceprogram.duke.edu) for the current descriptions and listing of courses under each of these pathways.
Major Requirements: To major in dance, a student must take a minimum of ten course credits:

- Dance 101 (Introduction to Dance) or Dance 165 (Let's Dance!)
- Three courses selected from a primary pathway
- One course from each of the secondary (three courses) pathways
- Dance 487S (Capstone Seminar: Research Methods and Writing in Dance Studies and Choreographic Performance)
- Dance 489T (Capstone: Senior Project) or Dance 499S (Capstone Seminar: Distinction Project)
- Equivalent of two course credits from partial or full-credit movement courses

Ten hours total of service work are required of each student. This may be completed at any time during the four-year undergraduate experience.

Pathways

Courses listed below are suggested choices in the pathways.

Dancing Cultures

- Dance 165 (Let's Dance! Live Art and Performance)
- Dance 235SL (Capoeira: Practice and Culture)
- Dance 255 (T'ai Chi and Chinese Thought)
- Dance 316S (Postmodernism in Dance, 1950-2000)
- Dance 318S (Movement in Question: Introduction to Critical Dance Studies)
- Dance 325S (The Black Parades)
- Dance 333S (West African Roots in Dance)
- Dance 336 (Black Dance)
- Dance 337 (Black Dance: Jamaican Contexts)
- Dance 338 Ballet History: Black Presence
- Dance 356 (Dance and Dance Theater of Asia)
- Dance 561S (Art as Work: Valuing Labor in the Arts)
- Dance 590S (Topics in Dance/Embodiment)
- Dance 665S (Contemporary Dance History)
- Dance 690S (Special Topics in Dance)

Being and Healing

- Dance 284 (Ritual, Performance, and Religion)
- Dance 377S (Dance Science: An Evolutionary Approach)
- Dance 371SL (Artists in Healthcare: Collaborations and Complexities)
- Dance 390/390S (Special Topics)
- Dance 575S (Somatics: Embodiment for the Twenty-First Century)
- Dance 590S (Topics in Dance/Embodiment)
- Dance 690S (Special Topics in Dance)

Process, Practice, and Research

- Dance 105S (Dance Composition)
- Dance 205S (Advanced Dance Composition)
- Dance 211 (Musical Theater Workshop: Performance)
- Dance 301 (Arts Activism & Everyday Technology)
- Dance 302S (Writing about Performance)
- Dance 305 (Music for Dancers)
- Dance 309S (Dancing States of Mind: The Self, Social and Political Practice of Dance)
- Dance 370S (The Choreographic Mind: Order, Disorder, Organization, Relations)
- Dance 375 (Music for Dancers)
- Dance 390/390S (Special Topics)
- Dance 403S (Pedagogies of Dance)
- Dance 412 (Performance: Modern)
- Dance 422 (Performance: Ballet)
- Dance 432 (Performance: African)
- Dance 442 (Performance: Jazz)
- Dance 443 (Performance: Tap)
- Dance 462 (Performance: Interdisciplinary)
- Dance 472 (Performance: Dance Theater)
- Dance 590S (Topics in Dance/Embodiment)
Dance 690S (Special Topics in Dance)

Social Issues and Social Action
- Dance 201S (Arts Entrepreneurship)
- Dance 2085 Non-Profit Cultural Institutions)
- Dance 3095 (Dancing States of Mind: The Self, Social and Political Practice of Dance)
- Dance 325S (The Black Parades)
- Dance 379S (Legal Issues for the Performing Arts)
- Dance 390/390S (Special Topics)
- Dance 590 (Topics in Dance/Embodiment)
- Dance 690S (Special Topics in Dance)

Courses originating outside of the Dance Program not listed here may be considered as satisfying pathways requirements at the discretion of the director of undergraduate studies and the student's major advisor. No more than two courses originating outside of the Dance Program may count toward the pathways requirements.

Data Science: Math+CS, Interdepartmental (BS)
Program Code: U-IDASC-BS
Degree Designation: Bachelor of Science
Department: Computer Science Department, Mathematics Department
Website: cs.duke.edu/undergrad/idm/mathematics

Program Summary
The Departments of Mathematics and Computer Science have collaboratively mapped out a data science pathway for an IDM (interdepartmental major) between the two departments. This pathway makes it easier for you to identify courses relevant to a career in data science, and to plan and optimize your program of study accordingly.

This IDM is intended for students interested in data science and its mathematical foundations, but not necessarily all the lower-level computational aspects. An IDM in STA+CS on Data Science is also available.

Go to Programs by Department to view all related programs.

Academic Requirements

From Mathematics
- MATH 221 (Linear Algebra)
- MATH 340/STA 231 (Advanced Intro to Probability) or MATH/STA 230 (Probability)
- MATH 342/STA 250 (Statistics) OR MATH 343/STA 432
- Plus one of the following:
  - MATH 401 or 501 (Abstract Algebra)
  - MATH 431 or 531 (Basic Analysis)
- Plus two of the following:
  - MATH 403 (Advanced Linear Algebra)
  - MATH 465/CompSci 445 (High-dim Data Analysis)
  - MATH 412/CompSci 434 (Topology with Applications)
- Plus one of the following electives, (or others approved by the Director of Undergraduate Studies):
  - MATH 401, 501, 431, or 531, if not taken for the requirement above
  - MATH 371 (Combinatorics)
  - MATH 375 (Linear Programming and Game Theory)
  - MATH 387 (Logic)
  - MATH 421 (Differential Geometry)
  - MATH 304 or 404 (Cryptography)
  - MATH 502 (Abstract Algebra II)
  - MATH 561 (Numerical Linear Algebra)
From Computer Science
- COMPSCI 201 (Data Structures and Algorithms)
- One of COMPSCI 210 (Intro to Computer Systems) or COMPSCI 250 (Computer Architecture). For students who matriculated before Fall 2022, COMPSCI 316 can also satisfy this requirement.
- COMPSCI 330 (Design and Analysis of Algorithms)
- One of COMPSCI 371 (Elements of Machine Learning), 370 (Intro. Artificial Intelligence), 570 (Artificial Intelligence), or 671 (Machine Learning)
- 3 Electives from the following (or others approved by the Director of Undergraduate Studies):
  - COMPSCI 370, 371, 570, or 671, if not taken for the requirement above
  - COMPSCI 216 (Everything Data)
  - COMPSCI 230 (Discrete Math for CS)
  - COMPSCI 210 (Intro to Computer Systems) or COMPSCI 250 (Computer Architecture)
  - COMPSCI 316 (Introduction to Databases), if not taken for the requirement above
  - COMPSCI 321/521 (Graph-Matrix Analysis)
  - COMPSCI 333 (Algorithms in the Real World)
  - COMPSCI 474 (Data Science Competition)
  - COMPSCI 527 (Computer Vision)
  - COMPSCI 290/590 (Topics) on the following subjects:
    - Algorithmic Aspects of Machine Learning
    - Algorithms for Big Data
    - Algorithmic Foundations of Data Science
    - Privacy
    - Reinforcement Learning

Data Science: STA+CS, Interdepartmental (BS)
Program Code: U-IDATA-BS
Degree Designation: Bachelor of Science
Department: Computer Science Department, Statistical Science
Website: cs.duke.edu/undergrad/idm/statistics

Program Summary
The Departments of Statistical Science and Computer Science have collaboratively mapped out a data science pathway for an interdepartmental major (IDM) between the two departments. This pathway makes it easier for you to identify courses relevant to a career in data science, and to plan and optimize your program of study accordingly.

This IDM is intended for students interested in data science, particularly its underpinning statistical techniques, but not necessarily its lower-level computational aspects. An IDM in Math+CS on Data Science is also available.

Data Science: STA+CS, Interdepartmental (BS) (U-IDATA-BS)

Academic Requirements

From Statistics
- STA 199L - Intro to Data Science
- STA 210L - Regression
- STA 240L Probability for Statistics (recommended) OR STA 230 - Probability
- STA 360L - Bayesian Modeling
- STA 432 - Theory and Methods of Statistical Inference and Learning (STA 250 - Statistical Inference - counts if taken Spring 2020 or earlier)
- 2 electives from the following (or others with DUS approval):
  - STA 310 - Generalized Linear Models
  - STA 313L - Advanced Data Visualization
  - STA 323D - Statistical Computing
  - STA 325L - Machine Learning and Data Mining
Earth and Climate Sciences (AB)

Program Code: U-ECS-AB
Degree Designation: Bachelor of Arts
Department: Earth and Climate Sciences
Website: nicholas.duke.edu/academics/undergraduate-programs/earth-climate-sciences

Program Summary

The Earth and Climate Science major is for students interested in the science of how planet Earth works, and creating scientific solutions to earth and environmental challenges such as climate change, water use, sustainable development of mineral resources, clean energy production, as well understanding Earth's long geological and biological evolution.

The Division of Earth and Climate Sciences offers introductory and advanced courses in climatology, coastal processes, geology, water sciences, hydrology, geomorphology, physical oceanography, petrology, geological history, and energy. The majors are administered by the Nicholas School of the Environment. Additional information about the division can be found on the divisional website.

A bachelor of arts degree is offered for students who wish to understand local and global earth and climate sciences in support of careers in government, environmental sciences, policy or economics, environmental law, and environmental health.

Go to Programs by Department to view all related programs.

Graduation with Distinction

The Division of Earth and Climate Sciences through Trinity College offers Graduation with Distinction through the successful completion of a student research project. A candidate for Graduation with a Distinction in Earth and Climate Sciences must have a grade point average of 3.2 in the major at the beginning of the project to qualify for nomination. The student will apply for consideration for Graduation with Distinction by the beginning of their senior academic year by submitting an application to the director of undergraduate studies describing the project. The student must identify a faculty advisor who has agreed to oversee the project. The student will normally do the work as part of research independent study courses (Earth and Climate Sciences 393, 394) completed during one academic year. The project will consist of an original piece of scientific research, which will be summarized by a written report in the style of a scientific publication. The student will also give a poster presentation to students and faculty of the division before the end of classes of the student's final semester. The decision on granting Graduation with Distinction will be made by a vote of the student's project committee, with a majority in favor needed for Graduation with Distinction.

Academic Requirements

Academic Requirements
Corequisites. Choose two from Math 111L, Math 112L, Chem 101, Chem 201 or 210, Physics 141; Physics 142, Biology 201 or Biology 202 or Biology 207, Statistics 101, Compsci 101 or EGR 103, or equivalent.

Gateway Course. ECS 101 or ECS 103

Experiential Course. ECS 210S or ECS 212S

Electives. Choose seven courses across the earth and climate sciences subject areas, or field courses. Up to 3 courses may be substituted from related areas, with DUS approval.

Science and Society. Choose one course from a list of courses with content at the intersection of science and policy, ethics, communication, history, philosophy, and education, or approved substitution. List available from Director of Undergraduate Studies.

Earth and Climate Sciences (BS)

Program Code: U-ECS-BS
Degree Designation: Bachelor of Science
Department: Earth and Climate Sciences
Website: nicholas.duke.edu/academics/undergraduate-programs/earth-climate-sciences

Program Summary
The Earth and Climate Science major is for students interested in the science of how planet Earth works, and creating scientific solutions to earth and environmental challenges such as climate change, water use, sustainable development of mineral resources, clean energy production, as well understanding Earth's long geological and biological evolution.

The Division of Earth and Climate Sciences offers introductory and advanced courses in climatology, coastal processes, geology, water sciences, hydrology, geomorphology, physical oceanography, petrology, geological history, and energy. The majors are administered by the Nicholas School of the Environment. Additional information about the division can be found on the divisional website.

A bachelor of science degree is offered for students interested in pursuing further studies or professional work in earth and climate sciences and related fields, or for students who intend to apply their scientific and analytic training to other professional careers, such as business, consulting, law, or medicine.

Go to Programs by Department to view all related programs.

Graduation with Distinction
The Division of Earth and Climate Sciences through Trinity College offers Graduation with Distinction through the successful completion of a student research project. A candidate for Graduation with a Distinction in Earth and Climate Sciences must have a grade point average of 3.2 in the major at the beginning of the project to qualify for nomination. The student will apply for consideration for Graduation with Distinction by the beginning of their senior academic year by submitting an application to the director of undergraduate studies describing the project. The student must identify a faculty advisor who has agreed to oversee the project. The student will normally do the work as part of research independent study courses (Earth and Climate Sciences 393, 394) completed during one academic year. The project will consist of an original piece of scientific research, which will be summarized by a written report in the style of a scientific publication. The student will also give a poster presentation to students and faculty of the division before the end of classes of the student's final semester. The decision on granting Graduation with Distinction will be made by a vote of the student's project committee, with a majority in favor needed for Graduation with Distinction.

Academic Requirements

Corequisites. Math 111L, Chem 101, Physics 141; and a choice of two from Math 112L, Chem 201 or 210, Physics 142, Biology 201 or Biology 202 or Biology 207, Statistics 101, Computer Sciences 101 or Engineering 103, or equivalent.

Gateway Course. ECS 101 and ECS 103

Experiential Course. ECS 210 or ECS 212S

Field Courses. One course from ECS 226S, ECS 288A, ECS 289A, ECS 401, ECS 402S, ECS 403, or ECS 410, or approved substitution.

Electives. At least one course from each of the two subject areas (Earth Science Area and Climate Science Area), and an additional 5 courses from either area, the latter may include up to one course from the Field Course List (in addition to the one-course field course requirement). Up to 2 courses may be substituted from related areas of science, mathematics or engineering, with DUS approval.

- Earth Science Area
  - ECS 201 The Solid Earth
  - ECS 203 The Surface of the Earth
  - ECS 204 Evolving Earth and Life
  - ECS 220 Water Sciences
Program Summary
Economics courses develop the critical and analytical skills essential for understanding economics and institutions, in both their contemporary and historical settings. Although no particular vocational or professional goal is emphasized, these courses provide the academic background necessary for positions in industry or the non-profit sector, for work in many branches of government service, for law school, and for graduate study in business administration, economics, and the social sciences.

Students who contemplate graduate study in economics should strongly consider the BS instead of the AB degree. A minor is also available.

Go to Programs by Department to view all related programs.

Departmental Graduation with Distinction
Awarding of Distinction. A student will be awarded distinction upon graduation if they have satisfied all of the following requirements:
- A minimum grade point average of 3.3 in the major and 3.3 overall;
- Completion of five electives commensurate with an undergraduate AB or BS degree; and
- The honors committee determines if the honors thesis qualifies for Graduation with Distinction.

Awarding of High Distinction. A student will be awarded High Distinction upon graduation if they have satisfied all of the requirements for Distinction and their honors thesis is selected by our honors committee from among nominated theses.

Awarding of Research Distinction. In recognition of the strong independent research dimension required of a successful honors thesis, a student will be awarded Research Distinction upon graduation if the honors committee determines their thesis qualifies for Graduation with Distinction regardless of whether or not the student meets the university and departmental GPA standards for Graduation with Distinction. These students will be recognized in the departmental graduation program.

Paths to the Honors Thesis. An honors thesis is a research paper completed during the senior year of the economics major. It represents a degree of research and critical thinking sufficiently complex and sophisticated as to require two to three semesters’ worth of work. The thesis is planned, researched, drafted, and revised over the course of two to three semesters, using research tools and techniques commensurate with an undergraduate BS degree.

To be considered for Graduation with Distinction in economics, students must pursue one of two paths outlined below.

Path 1: Honors Workshop Courses: The best setting in which to foster the research process is a two-semester workshop, resembling graduate workshops. In a workshop setting, students meet with their professor(s) and each other to observe advanced research (professors from outside the university, Duke economics graduate students, and Duke economics professors present their own research to the students), and then, in turn, develop and later present their own research on a regular biweekly basis, continually receiving feedback from their peers and from professors and graduate students.

The department offers a two-semester research workshop sequences for students interested in writing an honors thesis: Economics 495S (Honors Seminar I) and Economics 496S (Honors Seminar II). Students do not necessarily have to qualify for Graduation with Distinction in order to enroll in these research workshop sequences, nor will completion of either sequence guarantee Graduation with Distinction. The honors committee will determine if the honors thesis qualifies for Graduation with Distinction. Note: Should a problem arise that prevents a student from completing this sequence, they can switch to Path 2 described below.
Students who follow Path 1 may begin as early as the spring semester of their junior year. Davies Fellowships are available to sponsor some of these juniors (and their mentors) to enable them to do research full-time under the supervision of their advisor during the summer between their junior and senior years.

Path 2: Independent Study Courses: Students choosing this path enroll in Economics 394 (Research Independent Study) in either the spring of their junior year or the fall of their senior year, under the instruction of the mentoring faculty member. In the following semester (or in a subsequent semester), the student enrolls in an Economics 493 (Honors Research Independent Study) and completes the thesis. For the independent study courses (Economics 394 and Economics 493), students must enlist the approval of a specific faculty member (through submission of an approval form to the director of undergraduate studies) indicating that the faculty member is willing to work with the student for an entire academic year in an independent study format to produce an honors thesis. The honors committee will determine if the honors thesis qualifies for Graduation with Distinction. Students who start on Path 2 may switch to Path 1 by enrolling in Economics 496S (Honors Seminar II) with the signature of their faculty mentor and the approval of the 496S instructor (which is gained by submission of a satisfactory thesis proposal).

Academic Requirements

Prerequisites. Mathematics 21, 105L and 106L; or 111L, or any higher-level mathematics course with Mathematics 111 as a prerequisite. Economics 104D. Economics 104D is a prerequisite for Economics 204D and many other 300/400-level economics courses and therefore should be taken by the fall of sophomore year. Prerequisites for the major, as well as requirements, may not be taken Satisfactory/Unsatisfactory, with the exception of Economics 101D.

Requirements. Four core courses: Economics 101D, Economics 201D, Economics 204D, and Economics 210D. For students entering Fall 2022 or later, these classes must be completed before senior year, but students are encouraged to complete them no later than sophomore year. For students entering prior to Fall 2022, only Economics 204D must be taken prior to senior year (but students are still encouraged to complete all core requirements as early as possible.) Five electives chosen from Economics (ECON) or Financial Economics (FECON) courses at the 300 level or above with at least one courses at the 300 level and at least one course at the 400 level. For students entering in Fall 2022 or later, at least one of the electives must carry the course attribute “Applied Economics”: Economics 335, 345, 352, 371, 442, 443, 444, 445, 451, 493, 496S and select special topics with the number Economics 390, 490 and others with the approval of the director of undergraduate studies. For students entering prior to Fall 2022, Economics 205D can substitute for either of the 300-level electives. Courses 500-549 can only be counted toward the major with the approval of the director of undergraduate studies.

Substitution of similar courses in other departments at Duke for courses in the Department of Economics used toward major requirements is not permitted. A maximum of two transfer and/or study abroad credits may be counted toward major requirements. (The only exception applies to study abroad credit from the full year program at the London School of Economics, from which a maximum of four transfer and/or study abroad credits may be counted toward major requirements.) Transfer credits are not permitted for Economics 101D, 104D, 201D, 204D, 205D or 210D. Transfer students must earn at least half their credits toward the major requirements at Duke.

Economics (BS)

Program Code: U-ECON-BS
Degree Designation: Bachelor of Science
Department: Economics Department
Website: econ.duke.edu/undergraduate/bs-economics

Program Summary
Economics courses develop the critical and analytical skills essential for understanding economics and institutions, in both their contemporary and historical settings. Although no particular vocational or professional goal is emphasized, these courses provide the academic background necessary for positions in industry or the non-profit sector, for work in many branches of government service, for law school, and for graduate study in business administration, economics, and the social sciences.

Students who contemplate graduate study in economics are urged to develop skills in intermediate calculus (Mathematics 212), linear algebra (Mathematics 221), differential equations (Mathematics 356), and advanced calculus (Mathematics 431).

The undergraduate degree in economics signifies achievement of proficiency in quantitative skills and experience in applying these to economics. The Department of Economics maintains online resources to guide economics majors and minors at econ.duke.edu/undergraduate.

Go to Programs by Department to view all related programs.

Departmental Graduation with Distinction

Awarding of Distinction. A student will be awarded distinction upon graduation if they have satisfied all of the following requirements:

- A minimum grade point average of 3.3 in the major and 3.3 overall;
- Completion of five electives commensurate with an undergraduate AB or BS degree; and
The honors committee determines if the honors thesis qualifies for Graduation with Distinction.

**Awarding of High Distinction.** A student will be awarded High Distinction upon graduation if they have satisfied all of the requirements for Distinction and their honors thesis is selected by our honors committee from among nominated theses.

**Awarding of Research Distinction.** In recognition of the strong independent research dimension required of a successful honors thesis, a student will be awarded Research Distinction upon graduation if the honors committee determines their thesis qualifies for Graduation with Distinction regardless of whether or not the student meets the university and departmental GPA standards for Graduation with Distinction. These students will be recognized in the departmental graduation program.

**Paths to the Honors Thesis.** An honors thesis is a research paper completed during the senior year of the economics major. It represents a degree of research and critical thinking sufficiently complex and sophisticated as to require two to three semesters’ worth of work. The thesis is planned, researched, drafted, and revised over the course of two to three semesters, using research tools and techniques commensurate with an undergraduate BS degree.

To be considered for Graduation with Distinction in economics, students must pursue one of two paths outlined below.

**Path 1: Honors Workshop Courses:** The best setting in which to foster the research process is a two-semester workshop, resembling graduate workshops. In a workshop setting, students meet with their professor(s) and each other to observe advanced research (professors from outside the university, Duke economics graduate students, and Duke economics professors present their own research to the students), and then, in turn, develop and later present their own research on a regular biweekly basis, continually receiving feedback from their peers and from professors and graduate students.

The department offers a two-semester research workshop sequences for students interested in writing an honors thesis: Economics 495S (Honors Seminar I) and Economics 496S (Honors Seminar II). Students do not necessarily have to qualify for Graduation with Distinction in order to enroll in these research workshop sequences, nor will completion of either sequence guarantee Graduation with Distinction. The honors committee will determine if the honors thesis qualifies for Graduation with Distinction. Note: Should a problem arise that prevents a student from completing this sequence, they can switch to Path 2 described below.

Students who follow Path 1 may begin as early as the spring semester of their junior year. Davies Fellowships are available to sponsor some of these juniors (and their mentors) to enable them to do research full-time under the supervision of their advisor during the summer between their junior and senior years.

**Path 2: Independent Study Courses:** Students choosing this path enroll in Economics 394 (Research Independent Study) in either the spring of their junior year or the fall of their senior year, under the instruction of the mentoring faculty member. In the following semester (or in a subsequent semester), the student enrolls in an Economics 493 (Honors Research Independent Study) and completes the thesis. For the independent study courses (Economics 394 and Economics 493), students must enlist the approval of a specific faculty member (through submission of an approval form to the director of undergraduate studies) indicating that the faculty member is willing to work with the student for an entire academic year in an independent study format to produce an honors thesis. The honors committee will determine if the honors thesis qualifies for Graduation with Distinction. Students who start on Path 2 may switch to Path 1 by enrolling in Economics 496S (Honors Seminar II) with the signature of their faculty mentor and the approval of the 496S instructor (which is gained by submission of a satisfactory thesis proposal).

**Economics (ECON)**

**Academic Requirements**

**Academic Requirements**

**Prerequisites.** Mathematics 122 or 122L and 202; or 212, or 222 or any higher-level mathematics course with Mathematics 212 as a prerequisite. Economics 104D. Economics 104D is a prerequisite for Economics 204D and many 300/400-level economics courses and therefore should be taken by the fall of sophomore year. Prerequisites for the major, as well as requirements, may not be taken Satisfactory/Unsatisfactory, with the exception of Economics 101.

**Requirements.** Five core courses: Economics 101D, Economics 201D, Economics 204D, Economics 210D, and Economics 205D or 301D. (Economics 205D will no longer be offered beginning Fall 2025 when it will be replaced by Econ 301D). For students entering Fall 2022 or later, these classes must be completed before senior year, but students are encouraged to complete them no later than sophomore year. For students entering prior to Fall 2022, only Economics 204D must be taken prior to senior year (but students are still encouraged to complete all core requirements as early as possible.) Five electives chosen from any Economics (ECON) or Financial Economics (FECON) courses at the 300 level or above with at least one course at the 400 level and one course at the 500 level. Courses 500-549 can only be counted toward the major with the approval of the director of undergraduate studies.

Substitution of similar courses in other departments at Duke for courses in the Department of Economics used toward major requirements is not permitted. A maximum of two transfer and/or study abroad credits may be counted toward major requirements. (The only exception applies to study abroad credit from the full year program at the London School of Economics, from which a maximum of four transfer and/or study abroad credits may be counted toward major requirements.) Transfer credits are not permitted for 101D, 104D, 201D, 204D, 205D, or 210D. Transfer students must earn at least half the credits toward their major requirements at Duke.

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**Duke University**
For the BS Degree with Concentration in Financial Economics

The economics department also offers a BS degree with a concentration in financial economics. Certification of this concentration is designated on the official transcript. Students who wish to pursue this designation must complete the requirements for the BS degree with the addition of the following requirements.

Requirements. Financial Economics 372 (FECON 372) (Asset Pricing and Risk Management). Two additional electives chosen from among the following: Financial Economics (FECON) at the 300 level or above; Financial Markets (FMKT) courses at the 200-level or above; Fintech 520, 533, 534, 536, 550, 552, 564 and Energy 620. Financial Economics (FECON) courses at the 300 level or above simultaneously satisfy both the general BS and the Concentration in Finance elective requirements.

Electrical and Computer Engineering (BSE)

Program Code: U-ECE-BSE
Department: Pratt School of Engineering, Electrical & Computer Engineering Department
Website: ece.duke.edu/undergrad/degrees/planning

Program Summary

The educational mission of the Department of Electrical and Computer Engineering is to graduate electrical and computer engineers who embody excellence in a broad sense. We expect our graduates to advance within industry positions or in graduate study, or to carry the attributes of an engineering education into other disciplines. The electrical and computer engineering program of study must include mathematics and basic sciences, fundamentals, and applications in several engineering sciences, and team-based experience in the process of design, where theory is applied in the context of real needs and limitations, and where judgment must be exercised. Our electrical and computer engineering graduates should be able to think critically when solving problems and managing tasks and communicate effectively in multidisciplinary professional environments. To be a responsible member of the engineering profession, each graduate must be aware of social, ethical, environmental, and economic factors and constraints on engineering activity, and must understand the importance of these matters in a global context. We aspire to have our graduates exhibit intellectual depth and creativity, uphold high ethical standards, and show a commitment to the betterment of society through service and professional work.

To this end, the specific program educational objectives that we look for in our graduates are that they

- advance professionally in their chosen field;
- contribute to their professional community and society; and
- engage in lifelong learning in professional and personal endeavors.

The electrical and computer engineering (ECE) program is fully accredited by the Engineering Commission of ABET and leads to a bachelor of science in engineering (BSE) degree. The ECE curriculum provides a solid foundation in mathematics, physical and life sciences, computer science, and humanities and social sciences that complements a set of twelve theme-based ECE courses.

The Department of Electrical and Computer Engineering has designed its curriculum based on the theme of integrated sensing and information processing (ISIP). The ISIP theme capitalizes on the collective research expertise of the ECE faculty and provides a coherent, overarching framework that links principles of ECE to each other and real-world engineering problems. The cornerstone of the ECE curriculum is the first course fundamentals of electrical and computer engineering, which has been designed to provide students with a holistic view of ECE by introducing concepts spanning how to interface sensors and systems with the physical world, how to transfer/transmit energy/information, and how to extract, manipulate, analyze, and interpret information. The integrated design challenge in this first course introduces students to team problem solving and motivates in-depth study of ECE concepts in subsequent terms. Each of the four follow-on core courses focuses on a specific subfield of ECE (digital systems, microelectronics, sensitivity and waves, signals, and systems), and integrates lateral and vertical connections to other courses through the use of thematic examples. Following the five core courses are seven ECE technical electives that include a culminating engineering design course where teams of students address a significant real-world problem or opportunity.

The ECE curriculum emphasizes creative problem solving through open-ended design challenges in many courses. Working in teams, students collaborate to utilize and develop their individual and collective technical, management, and leadership skills to design, simulate, build, and test components and systems to meet a set of specifications, often defined by industry standards. Students have the option to pursue two or more areas of concentration, depending on personal interests. The upper-level technical electives, which extend the breadth and depth of the ECE core curriculum, provide a firm foundation for future technical accomplishment and for effective problem-solving in the diverse fields that our graduates pursue.

The flexibility of the ECE curriculum enables students and their faculty advisors to tailor a unique educational experience for every student. This may include a semester abroad; a second major, minor, or certificate program; and/or a research experience with a faculty member. The most popular second majors are computer science and biomedical engineering. Other popular second majors include mathematics, economics, and physics. Interests such as pre-medicine, pre-law, art, music, psychology, and social sciences can be accommodated through individually designed programs. Students are encouraged to take more than the minimum required courses in the sciences and the liberal arts, as is fitting at an engineering school in a university with a strong liberal arts tradition.
A minor in ECE is also available. Go to Programs by Department to view all related programs.

**Academic Requirements**

The requirements for the electrical and computer engineering major are included in the minimum total of 34.0-course credits listed under the general requirements and departmental requirements. The following specific courses or their approved alternatives must be taken: Electrical and Computer Engineering 110L; Electrical and Computer Engineering 230L, 250D, 270DL, 280L; Computer Science 201; Engineering 101L; four approved electrical and computer engineering concentration electives, in two different areas with at least two courses in one of the elected areas; one elective electrical and computer engineering courses at the 300-level or higher; one ECE Extension Elective at the 300-level or higher; and one electrical and computer engineering design course. Currently, Electrical and Computer Engineering 449, 458, 459, 489, 559, 532, and 539 are approved as electrical and computer engineering design electives. A statistical science course is also required (Statistical Science 130, Statistical Science 240L, Mathematics 230, Mathematics 340, Engineering 238L, Electrical and Computer Engineering 380, or Electrical and Computer Engineering 555).

To encourage depth and breadth in electrical and computer engineering, students must select a minimum of four upper-level courses in at least two areas of concentration, with no less than two courses in one of the elected areas. There are five areas of concentration: (1) computer engineering and digital systems, (2) signal processing, communications, and control systems, (3) solid-state devices and integrated circuits, (4) electromagnetic fields, and (5) photonics. Students are encouraged to consult with their advisors when selecting areas of concentration and electives.

A sample, semester-by-semester sequencing of the requirements for the major is available online at ece.duke.edu/undergrad/degrees/planning.

**English (AB)**

Program Code: U-ENGL-AB
Degree Designation: Bachelor of Arts
Department: English Department
Website: english.duke.edu/undergraduate/major

**Program Summary**

The English major is designed to convey to students a broad knowledge of English, American, and Anglophone literature, a sophisticated habit of critically engaging literary and cultural texts, a shared understanding of major problems, trends, and methods of literary and cultural analysis, and the ability to pose questions and organize knowledge in productive and original ways. While offering students clear direction on how to profit most from their study within the English department, the major also seeks to encourage students to assume an enduring habit of questioning and intellectual self-articulation. Each of the four areas of requirement for completion of the major thus invites students, in consultation with their advisor, to devise a coherent, challenging, and intellectually distinctive plan of study.

Go to Programs by Department to view all related programs.

**Foreign Languages**

The department recommends that students majoring in English complete at least two years of college-level study, or the equivalent, of a foreign language. Students contemplating graduate work in English should note that many master's programs require examination in one foreign language and that doctoral programs commonly require examination in two. Students interested in linguistics are strongly urged to study at least one non-Indo-European language.

**Teacher Certification**

Each year a number of Duke English majors earn certificates as secondary school teachers. While licensed by the state of North Carolina, these majors are essentially certified for other states, as well. Also, such training is urged for those who consider teaching in independent schools, since most private or parochial schools would prefer candidates who have earned teaching certificates.

Such certification may be gained as part of the English major and is not as time-consuming as is sometimes believed. Candidates should have a solid background in both American and British literature; also helpful are courses in composition and cultural studies. Among the requirements are one course in linguistics (English 396S, 204, 206, or 395), an appropriate course in psychology, and several courses in education.

The last semester of the senior year is devoted to the student teaching block, including two special, accelerated courses and ten weeks of full-time teaching and observation in the schools, working with a mentor teacher and with Duke faculty. This experience leads to an English teaching certificate to accompany the bachelor's degree.

Anyone considering secondary school English teaching should confer with the director of secondary school teacher preparation in the Program in Education as soon as possible.

**Departmental Graduation with Distinction**
The English department offers its majors two options to earn distinction: the Critical Thesis option or the Creative Writing Thesis option.

**Structure.** Either two independent studies or a “home seminar” and one independent study. (This may be fall/spring or spring/fall.) Under most circumstances, a completed length of thirty-five to seventy pages.

**Coursework.** The distinction courses count toward the major. Students must complete eleven total courses to graduate with distinction in the major instead of the standard ten.

**Application.** To apply students must have completed, by the beginning of the senior year, at least five 200-level or above English courses and must have a GPA of at least 3.5 in English courses.

Students submit an application that includes a writing sample of about ten pages from an English course, one letter of recommendation from an English faculty member, and a project description and basic bibliography (one page single-spaced). Applications must be submitted to the director of undergraduate studies. Applications are due November 15 for a spring-to-fall option and March 15 for a fall-to-spring option.

**Evaluation Procedure.** Upon approval by the instructor, the completed thesis is submitted to the director of undergraduate studies by December 1 (for a spring-to-fall project) or March 31 (for a fall-to-spring project) of the senior year for evaluation by the director of undergraduate studies, the thesis advisor, and one other faculty member. Please deliver three spiral-bound copies to Allen 303AA.

**Levels of Distinction.** Three levels: Distinction, High Distinction, or Highest Distinction. Levels of distinction are based on the quality of the completed work. Students who have done satisfactory work in the seminar or independent study but whose thesis is denied distinction will simply receive graded credit for their seminars and/or independent studies. Whereas the standard major in English asks for a total of ten courses, students pursuing honors in English will take nine courses plus either two independent studies or a “home seminar” to be followed by an independent study.

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**Academic Requirements**

**Academic Requirements**

Ten courses, nine of which must be at the 200 level or above. Required courses include one gateway course; four area study courses; one criticism, theory, or methodology course; and four electives, as follows:

**Gateway Course.** Students must select one section of English 101S (The Art of Reading), and complete it ideally in their sophomore year and no later than the end of the junior year.

Each student must take at least nine additional courses at the 200 level or above. Five of these courses must satisfy the following requirements:

**Diversified Study.** Students must select at least two courses in the medieval and early modern area (Area I), at least one in the eighteenth and nineteenth centuries area (Area II), and at least one course in the modern to contemporary area (Area III), as outlined below. Courses must be chosen from more than one national literature. Courses that appear in more than one area of study may only count for one designated area as determined by instructor.

- Area I (Medieval and Early Modern); two courses required
- Area II (Eighteenth and Nineteenth Centuries); one course required
- Area III (Modern to Contemporary); one course required

**Criticism, Theory, Methodology (CTM).** Students must select one course on criticism, theory, or methodology. Some courses to satisfy CTM are English 204, 395, 396, 480S, 482S, 490S-10—in addition, other English courses designated as CTM will be posted on the English website each semester.

**Recommendations**

1. Students should take at least one course focused on minority literatures or Angophone literatures from beyond the United States and Great Britain. The department offer courses in African, Asian, Caribbean, diasporic, and ethnic literatures (e.g., African American, Asian American) that will broaden students’ perspectives on English as a global language.

2. Students planning to enter graduate study in an English department should take additional courses from the early as well as later and modern periods. If eligible, they should also apply for the Distinction Program. Aspiring graduate students should consult their advisor.

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**Environmental Engineering (BSE)**

**Program Code:** U-ENVE-BSE

**Degree Designation:** Bachelor of Science in Engineering

**Department:** Pratt School of Engineering, Civil & Environmental Engineering Department

**Website:** cee.duke.edu/undergrad/degrees/enve-planning

**Program Summary**
Duke University

The environmental engineering degree program, launched in Fall 2013, is highly interdisciplinary and brings together topics as diverse as chemistry, the life sciences, economics, fluid mechanics, and public health engineering. The degree responds to the needs of students looking for an interdisciplinary engineering degree that prepares them to work as environmental engineers, graduate work in environmental engineering, or for advanced study in environmental engineering, public health, or global sanitation.

The infrastructure that makes up what we refer to as civilization is, for the most part, the work of civil and environmental engineers. Improving, or even maintaining, the quality of life is ever more challenging as urban problems in the industrialized nations of the world intensify, while rapid urbanization in many developing countries creates other opportunities and obligations for the civil and environmental engineer. The planning, design, construction, and maintenance of necessary facilities, in an era of increasingly scarce monetary and other resources, demand civil and environmental engineers dedicated to work for the public good and prepared to seek more efficient and effective solutions based on current technology. The challenges faced by civil and environmental engineers vary widely in nature, size, and scope, and encompass both the public and private sectors. Examples include high-rise buildings and long-span bridges; concert halls and museums; hazardous waste disposal facilities; orbital structures; water supply and treatment facilities; tunnels; dams; seaports, airports, and offshore structures.

The mission of the undergraduate program in the Department of Civil and Environmental Engineering at Duke University is to provide an education that prepares graduates to solve technical problems, to pursue lifelong learning in their field, to assume leadership roles in their chosen careers, and to recognize their professional and personal obligations to the broader society and culture. The program is designed to provide a holistic educational experience where engineering sciences and design are combined with humanities and social sciences to provide the foundation for the critical thinking and skills that allow graduates to enjoy the benefits of a liberal education.

The alumni of the environmental engineering (EnvE) programs are expected to exhibit the following behaviors:

- conceive, communicate, and contribute to effective and sustainable solutions to professional, multi-disciplinary challenges (in, for example, engineering design, project management, consulting, finance, and academia) by utilizing fundamental principles of mathematics, science, and engineering, and employing engineering methods and judgment as needed;
- seek and engage in professional development, including advanced degrees and professional licensure, to enhance their capabilities and personal fulfillment;
- be leaders in their professional and personal communities while responding ethically and boldly when confronted with modern societal and environmental challenges.

The environmental engineering program is built upon the expertise and experience of the faculty of the Civil and Environmental Engineering department and is supported by commensurate laboratory and instructional facilities. The civil and environmental engineering professors are committed to providing quality classroom instruction, advising, and laboratory experiences in settings that encourage student-faculty as well as student-student interactions. The faculty conducts research of national and international consequence, and undergraduates have ample opportunities to be involved in such research, through undertaking independent study projects and/or by working as research assistants. The research facilities in the department, including laboratory equipment and instrumentation as well as computer resources, are comparable to those found in other major universities.

Graduates of the environmental engineering program are able to select from a wide range of career paths. Recent graduates have pursued advanced study in environmental engineering, while others have accepted positions with major corporations and federal, state, and local government agencies as design engineers and project managers.

The environmental engineering (EnvE) degree program is accredited by the Engineering Accreditation Commission of ABET.

Go to Programs by Department to view all related programs.

Environmental Engineering (BSE) [U-ENVE-BSE]

Academic Requirements

The major requirements for environmental engineering (EnvE) are included in the minimum of 34.0 course credits listed under general requirements and departmental requirements.

Meeting the departmental requirements together with the four engineering and applied science courses from the general requirements requires that the following courses must be included. All majors must take Engineering 101L, 201L, and 244L; Civil and Environmental Engineering 132L, 301L, 461L, 462L, 463L, 469, 560; and Statistical Science 130. All majors must take Engineering 305 or Civil and Environmental Engineering 201L. All majors must take an approved earth science course. All majors must take an approved thermodynamics course. All majors must take two approved upper-level environmental courses. All majors have two unrestricted electives. "Approved earth science electives are Earth and Climate/Ocean Sciences 101, 102, 201L, 202, 315, 323, and Civil and Environmental Engineering 666. Approved thermodynamics courses are Mechanical Engineering 333L. Approved upper-level environmental electives are Chemistry 201DL, 202L; Biomedical Engineering 307; Civil and Environmental Engineering 315-60, 563, 564, 566, 661L, 666, 667, 683, 684, 686; Engineering 424L; and Environment 535.

Toward fulfilling the general requirements, the following elective options must be selected from the following courses: The natural science requirement is satisfied by completing an approved biology course. Approved Biology courses are 201L, 202L, 212L, and 275A. At least one of the five courses used to satisfy the humanities and social sciences requirement, or an approved alternate course, must possess an ethical inquiry (EI)
Environmental Sciences (BS)

Program Code: U-ENVS-BS
Degree Designation: Bachelor of Science
Department: Nicholas School of Environment
Website: nicholas.duke.edu/academics/undergraduate-programs/environmental-sciences-policy

Program Summary
The undergraduate major in environmental sciences is offered as a bachelor of science degree to students interested in a scientific perspective on environmental issues. The major is designed to expose students to the breadth of environmental sciences, while engaging students to develop depth in a focus area. This major is designed for students with career objectives in environmental sciences, industry, or management that require a strong scientific background, or for students intending to pursue graduate degrees in environmental sciences. The major also merges well with pre-health requirements. The corequisites for the BS degree stress a firm foundation in the physical and life sciences, and mathematics. The gateway course focuses on local, regional, and global case studies taught by interdisciplinary teams of faculty. The major requirements include five core courses selected from five categories (Environmental Health, Ecology, Environmental Physical Sciences, Environmental Social Science, and Environmental Tools and Skills) and three focus area courses (one of which can be a core course). Students are required to participate in a relevant field experience or internship and many students choose to fulfill this requirement through study abroad, a semester at Duke Marine Lab, or the Stanback Internship Program. The department encourages all students to pursue independent research with Nicholas School faculty members.

Advising in Environmental Sciences and Policy
Advisors are assigned based on students’ general areas of interest. Students present a proposed plan of study to their advisors that explains the rationale for their chosen area of concentration within their focused study. The program encourages close relationships between faculty and students with convergent interests.

Graduation with Distinction
The environmental sciences and policy and environmental sciences both offer a Graduation with Distinction option. Interested students with a 3.0 grade point average overall and 3.2 grade point average in the environmental sciences/policy major should apply by the beginning of their senior year. The application should include a written request to the director of undergraduate studies describing the proposed research project, and identifying a primary faculty advisor who has agreed to supervise the research. Students are required to take one independent research study as part of the Graduation with Distinction process. Students will write a substantial paper describing their completed research, which is evaluated by the faculty advisor, and will make an oral presentation to students and faculty of the program before the end of classes of the student’s final semester. For additional information and an application form, contact the director of undergraduate programs or visit nicholas.duke.edu/academics/undergraduate-programs/graduation-distinction.

Academic Requirements

Corequisites
The following courses or their equivalents (for example, Advanced Placement credit) are required. Approval to substitute course taken at other universities must be obtained from the director of undergraduate studies in the department offering the course. Some of these courses are prerequisites to upper-level courses in this major.

- Environment 102 (Introduction to Environmental Sciences and Policy)
- Biology 201L or 202L or 203L (Gateway to Biology) or equivalent
- Chemistry 101DL (Advanced General Chemistry) and either Chemistry 210DL or 201DL or equivalents
- Physics 141L, 151L, 161D, or 164L (Introductory Physics) or equivalent
- Mathematics 111L and 112L (Introductory Calculus), or equivalent
- Statistical Science 101L, 102L, 111L, 130L, or 199L; or Biology 304

Major Requirements
- Gateway Course: Environment 201 (Integrating Environmental Sciences and Policy)
- Core Areas: One course in each area, chosen from a list of approved courses:
Focus Area: Students are required to choose a focus area and take three courses around that focus, at least one of which is a 500-level course. One of these courses can overlap the core courses. Focus areas will be chosen under the direction of the student's major advisor and will be approved by the director of undergraduate studies upon successful submission of a short essay outlining the focus area and justifying the chosen courses.

Capstone: Environment 495 (Capstone Course). Participating in Graduation with Distinction (GWD) can fulfill this requirement.

Field Experience or Internship: Students will complete a field experience or internship relevant to their major. The Duke Career Center maintains information on available internships. Field experiences may include a semester or summer session at the Duke University Marine Laboratory or participation in field-oriented study abroad programs.

Environmental Sciences and Policy (AB)

Program Code: U-ENVS-AB
Degree Designation: Bachelor of Arts
Department: Nicholas School of Environment
Website: nicholas.duke.edu/academics/undergraduate-programs/environmental-sciences-policy

Program Summary
The undergraduate major in environmental science and policy is offered as a bachelor of arts degree to students interested in the interdisciplinary study of environmental issues. The major draws from the breadth of perspectives from science, policy, and humanities while engaging students in an in-depth study in natural or social sciences. This major is designed for students with career objectives such as environmental law, policy, science, management, or planning that require in-depth understanding of environmental issues that cross disciplinary boundaries. The corequisites for the AB degree stress a firm foundation in basic natural, environmental, and social science areas. The gateway course focuses on local, regional, and global case studies taught by interdisciplinary teams of faculty. The major requirements include three topical courses selected from three categories (Environmental Humanities, Environmental Sciences, and Environmental Policy) and three additional focus area courses. Students are required to participate in a relevant field experience or internship and many students choose to fulfill this requirement through study abroad, a semester at Duke Marine Lab, or the Stanback Internship Program. The department encourages all students to pursue independent research with Nicholas School faculty members.

Advising in Environmental Sciences and Policy
Advisors are assigned based on students' general areas of interest. Students present a proposed plan of study to their advisors that explains the rationale for their chosen area of concentration within their focused study. The program encourages close relationships between faculty and students with convergent interests.

Graduation with Distinction
The environmental sciences and policy and environmental sciences both offer a Graduation with Distinction option. Interested students with a 3.0 grade point average overall and 3.2 grade point average in the environmental sciences/policy major should apply by the beginning of their senior year. The application should include a written request to the director of undergraduate studies describing the proposed research project, and identifying a primary faculty advisor who has agreed to supervise the research. Students are required to take one independent research study as part of the Graduation with Distinction process. Students will write a substantial paper describing their completed research, which is evaluated by the faculty advisor, and will make an oral presentation to students and faculty of the program before the end of classes of the student's final semester. For additional information and an application form, contact the director of undergraduate programs or visit nicholas.duke.edu/academics/undergraduate-programs/graduation-distinction.

Academic Requirements

Corequisites
The following courses or their equivalents (for example, Advanced Placement credit) are required. Approval to substitute courses taken at other universities must be obtained from the director of undergraduate studies in the department offering the course. Some of these courses are prerequisites to some upper-level courses in this major.
**Evolutionary Anthropology (AB)**

**Program Code:** U-EVANT-AB  
**Degree Designation:** Bachelor of Arts  
**Department:** Evolutionary Anthropology  
**Website:** evolutionaryanthropology.duke.edu/undergraduate/degree-programs/major

**Program Summary**

Evolutionary Anthropology is an interdisciplinary department centering on the origin and evolution of human beings and their close biological relatives. The department and its course offerings cover a variety of research areas including primate behavior, ecology, cognition and genetics; primate and human disease ecology; human genetics, energetics, and physiology; paleoanthropology; and functional and comparative anatomy. Opportunities for independent research exist in departmental laboratories, including the Canine Cognition Center and the Primate Locomotion Lab. Additional research opportunities can be found at the Duke Lemur Center and the Lemur Center’s Museum of Natural History.

Go to Programs by Department to view all related programs.

**Departmental Graduation with Distinction**

To qualify for the Graduation with Distinction program, students must have a GPA of 3.0 overall and 3.5 within evolutionary anthropology. To earn distinction, students typically spend one year conducting independent research with a faculty mentor and writing a substantial senior thesis. Students must be enrolled in an independent study course within evolutionary anthropology. Exceptions must be approved by the director of undergraduate studies. Students must submit a brief (one- to two-paragraph) description of the honors project, the names of the faculty comprising the examination committee, and the signature of the student's faculty mentor to the director of undergraduate studies by the end of the first week of classes of the student's next-to-last semester (e.g., fall semester for May graduates). The examination committee should consist of three faculty members, at least two of whom are in the Department of Evolutionary Anthropology.

**Academic Requirements**

**Academic Requirements**

**Prerequisite.** Evolutionary Anthropology 101 or 101D  
**Corequisite.** Biology 202L

**Major Requirements.** Nine courses are required (not including the above pre and corequisites) of which eight courses must be 200-level or above and one course must be a 400-level or above (capstone course). One course is required in each of the following areas: 1) anatomy/paleoanthropology and 2) behavior/ecology/cognition (see allowed course listings in the Handbook for Majors). At least three additional courses must be taken in Evolutionary Anthropology and another four courses may be taken in either Evolutionary Anthropology or from a list of
preapproved electives in related departments. One of the above courses must be a lab/field experience in Evolutionary Anthropology (research independent study may count toward this requirement). Note that no more than two independent studies may be counted toward the nine courses required. Evolutionary Anthropology offers three optional concentrations (see below).

**Areas of Concentration**

Students may elect to complete courses representing an in-depth study of a given area within Evolutionary Anthropology. There are currently three area concentrations available: 1) anatomy and paleoanthropology; 2) behavior, ecology, and cognition; and 3) human biology. Concentrations require that three of the five courses in Evolutionary Anthropology (as required by the major) be taken in the area of concentration. Pre-approved courses for each area can be found in the Handbook for Majors.

**Evolutionary Anthropology (BS)**

*Program Code: U-EVANT-BS*
*Degree Designation: Bachelor of Science*
*Department: Evolutionary Anthropology*
*Website: evolutionaryanthropology.duke.edu/undergraduate/degree-programs/major*

**Program Summary**

Evolutionary Anthropology is an interdisciplinary department centering on the origin and evolution of human beings and their close biological relatives. The department and its course offerings cover a variety of research areas including primate behavior, ecology, cognition, and genetics; primate and human disease ecology; human genetics, energetics, and physiology; paleoanthropology; and functional and comparative anatomy. Opportunities for independent research exist in departmental laboratories, including the Canine Cognition Center and the Primate Locomotion Lab. Additional research opportunities can be found at the Duke Lemur Center and the Lemur Center’s Museum of Natural History.

Go to Programs by Department to view all related programs.

**Departmental Graduation with Distinction**

To qualify for the Graduation with Distinction program, students must have a GPA of 3.0 overall and 3.5 within evolutionary anthropology. To earn the distinction, students typically spend one year conducting independent research with a faculty mentor and writing a substantial senior thesis. Students must be enrolled in an independent study course within evolutionary anthropology. Exceptions must be approved by the director of undergraduate studies. Students must submit a brief (one- to two-paragraph) description of the honors project, the names of the faculty comprising the examination committee, and the signature of the student's faculty mentor to the director of undergraduate studies by the end of the first week of classes of the student's next-to-last semester (e.g., fall semester for May graduates). The examination committee should consist of three faculty members, at least two of whom are in the Department of Evolutionary Anthropology.

**Evolutionary Anthropology (BS) (U-EVANT-BS)**

*Academic Requirements*

**Academic Requirements**

*Prerequisite.* Evolutionary Anthropology 101 or 101D

*Corequisites.* Biology 201L and 202L; Chemistry 101DL and 201DL; Mathematics 111; Physics 141L; introductory statistics (any level). Equivalent courses can be approved by the director of undergraduate studies.

*Major Requirements.* Eight courses numbered 200 or above are required (not including the above pre- and corequisites) of which one course must be numbered 400 or above (a capstone course). One course is required in each of the following areas: 1) anatomy/paleoanthropology and 2) behavior/ecology/cognition (see listings in the Handbook for Majors). At least three additional courses must be taken in evolutionary anthropology and an additional three courses may be taken in evolutionary anthropology or from a preapproved list of electives in related departments. One of the above courses must be a lab/field experience in evolutionary anthropology (research independent study may count toward this requirement). Note that no more than two independent studies may be counted toward the major. Evolutionary anthropology offers two optional concentrations.

**Areas of Concentration**

Students may elect to complete courses representing an in-depth study of a given area within evolutionary anthropology. There are currently three area concentrations available: 1) anatomy and paleoanthropology; 2) behavior, ecology, and cognition; and 3) human biology. Concentrations require that three of the five courses in evolutionary anthropology (as required by the major) be taken in the area of concentration. Pre-approved courses for each area can be found in the Handbook for Majors.

**French Studies (AB)**

*Program Code: U-FREN-AB*
*Degree Designation: Bachelor of Arts*
*Department: Romance Studies Department*
Program Summary

Students majoring in French will acquire a considerable degree of competence in the written and spoken language as well as knowledge of the literature and culture of France and the French-speaking world.

The department offers a wide array of courses in language, literature, and culture, and strongly encourages interdisciplinary work in French through courses emphasizing the relation between literature, the arts, history, and society. A major in French is an excellent portal to a variety of careers in the humanities, the economic world, government, and science, and to a lifetime of global awareness and cultural reflection. An honors thesis option is available, including the possibility for theses interweaving two fields for students pursuing double or second majors. Students interested in majoring in French should consult the director of undergraduate studies.

Go to Programs by Department to view all related programs.

Departmental Graduation with Distinction

Qualified students may apply for Graduation with Distinction. The application deadline is preregistration for the fall semester of the senior year. Students must find an appropriate faculty advisor to oversee the honors project. The thesis may be written in the language best suited to its likely audience, but students pursuing graduate study in a Romance studies field must write the thesis in the language of the area of study. Further information may be obtained from the director of undergraduate studies or the assistant to the director.

Study Abroad

Students are strongly urged to study abroad since this is the best way to achieve language proficiency and to acquire knowledge of a country's culture. Courses taken abroad count toward the core and/or related courses as follows:

- **Department-Administered Programs**
  - Duke-in-France. Major: All courses may be counted toward the major, as long as the courses are approved by the Director of Undergraduate Studies. Courses may cover a variety of topics related to Francophone or Romance Studies. Courses with unrelated content, such as biology or math taught in French, will not be granted.
  - Duke-Administered Summer Programs (Office of Study Abroad)
    - Duke-in-Paris. Major: Two courses may be counted toward the major.
    - Duke-in-Provence. Major: One course may be counted.
- **Non-Duke Administered Semester Programs**
  - Major: A maximum of two courses per semester may be counted toward the major.
- **Non-Duke-Administered Summer Programs**
  - Major: One course may be counted toward the core-course requirement.

Academic Requirements

Academic Requirements

The French studies major requires a total of ten courses. At least eight French courses must be taken at the 300 level or above. Depending on placement, French 203 and/or French 204 may count toward the requirement; for students entering with 300-level proficiency, all ten French courses will be at the 300 level or above. For transfer students, consult with the director of the language program for equivalent transfer credits.

Of these advanced-proficiency courses:

- Students may take up to two Romance studies courses with French-related content or non-departmental courses with French-related content
- Students must take at least three French courses numbered above 400 or complete a thesis. 500-600 level courses will be constructed with the undergraduate experience in mind and students are warmly welcome to take more than one 500-600 level course. Such courses also present an excellent opportunity for undergraduates to work with a graduate student peer cohort. French majors are encouraged to write a senior thesis, and to consider interdisciplinary topics capable of linking French studies to their additional fields of academic interest.

Gender, Sexuality, and Feminist Studies (AB)

Program Code: U-GSF-AB
Degree Designation: Bachelor of Arts
Department: Gender, Sexuality, and Feminist Studies
Website: gendersexualityfeminist.duke.edu/undergraduate/major-minors-requirements
Program Summary
The Program in Gender, Sexuality, and Feminist Studies at Duke University is dedicated to exploring gender identifications, relations, practices, theories, and institutions. In the field's first decades, feminist scholarship reoriented traditional disciplines toward the study of women and gender and developed new methodologies and critical vocabularies that have made interdisciplinarity a key feature of women's studies as an autonomous field. Today, scholars continue to explore the meaning and impact of identity as a primary, though by no means transhistorical or universal, way of organizing social life by pursuing an intersectional analysis of gender, race, sexuality, class, and nationality. In the classroom, as in research, the goal of the program is to transform the university's organization of knowledge by reaching across the epistemological and methodological divisions of historical, political, philosophical, economic, representational, technological, and scientific analysis. Through a dual emphasis on interdisciplinarity and intersectionality, the program offers students new knowledge while equipping them with a wide range of analytical and methodological skills.

Many students identify gender, sexuality and feminist studies courses as among the most exciting and enlightening they take at Duke. The women and men who enroll in the program's classes each semester gain the opportunity to understand how social, historical, and psychological forces, organized by the central concept of gender, shape them as individuals; attain a fuller understanding of human behavior, culture, and society made possible by investigating women's lives; acquaint themselves with the experience of women of different economic classes, sexual orientations, and cultural and racial backgrounds; and transfer the critical and analytical skills they acquire in the study of gender and society to other classes, beyond the campus to other activities, and eventually to their professional careers.

Gender, sexuality, and feminist studies has, since its inception, been an interdisciplinary field. It has consistently assessed the strengths and challenges of such interdisciplinarity. Duke students find their background in women's studies to be a valuable resource for their professional development and lifelong intellectual growth. Gender, sexuality, and feminist studies at Duke is a focal point within the university for the study of women, gender, and feminist theories—a structure that allows graduate students to address complex issues beyond their traditional disciplinary and classroom boundaries and to explore problems in ways that connect theories and approaches of different disciplines. The Gender, Sexuality, and Feminist Studies Program serves students' intellectual interests by offering credit courses, housing a variety of research projects, and implementing programs for diverse audiences. For additional information, visit the program website at gendersexualityfeminist.duke.edu.

Advising
Each year, faculty affiliated with Gender, Sexuality, and Feminist Studies serve as advisors for students majoring in gender, sexuality, and feminist studies. Majors are paired with faculty advisors on the basis of students' general areas of interest. Students majoring in gender, sexuality, and feminist studies are encouraged to seek out and work with any of the Gender, Sexuality, and Feminist Studies faculty in addition to their primary faculty advisor.

Departmental Graduation with Distinction
Qualified students earning a major in gender, sexuality, and feminist studies may be eligible for Graduation with Distinction. More detailed guidelines are available in the program office. Students interested in being considered for distinction should contact the program office no later than the spring of their junior year.

Academic Requirements
To major in gender, sexuality, and feminist studies, a student must take a minimum of ten courses. Gender, Sexuality, and Feminist Studies 199S (Thinking Gender: An Introduction to Feminist Theory) and a senior seminar (Gender, Sexuality, and Feminist Studies 490S) are required, along with four of the following:

- 360S. Feminism in Historical Context
- 361. Money, Sex, Power
- 361S. Money, Sex, Power
- 362. Gender and Popular Culture
- 362S. Gender and Popular Culture
- 363S. Interpreting Bodies: Identity and Beyond
- 364S. Race, Gender, and Sexuality
- 365. Gender and Political Theory
- 366S. Nature, Culture and Gender
- 367S. Feminist Ethics
- 368S. Gender, Sexuality and Human Rights
- 369S. Transnational Feminism
- 370S. Queer Theory
- 371S. Gender, Sexuality, and the Image
The remaining four elective courses must be at or above the 200 level and may be chosen from other gender, sexuality, and feminist studies offerings. Students may also petition for credit for courses offered in other departments and programs, with clear documentation of their intellectual value to the overall goals of the major. Students may take no more than two independent study courses, which must be approved by the director of undergraduate studies.

German (AB)
Program Code: U-GER-AB
Degree Designation: Bachelor of Arts
Department: German Studies
Website: german.duke.edu/undergraduate/major-minor

Program Summary
Students majoring in German develop language skills, become knowledgeable about the literature and culture of German-speaking areas, and acquire analytic and interpretive abilities. The combination of language skills with the ability to navigate across cultures is excellent preparation for a variety of professions in business, government, engineering, law, education, and academia. Double (second) majors are also encouraged and supported. Numerous opportunities are available, including Global Education programs, interdepartmental majors, Fulbright and German Academic Exchange Service (DAAD) scholarships, independent research and independent studies, and internships, both before and after graduation. Students interested in a major should consult the director of undergraduate studies.

Go to Programs by Department to view all related programs.

Departmental Graduation with Distinction
Qualified students (see the section on honors in this bulletin) may apply or be invited to apply for Graduation with Distinction. The application deadline is preregistration for the fall semester of the senior year. Further information may be obtained from the director of undergraduate studies.

Academic Requirements
Ten one-credit departmental courses at the 200 level or above, including cross-listed courses and courses taught in the Duke-in-Berlin program. Direct enrollment classes taken in the Duke-in-Berlin program count as well. Half-credit courses may count toward the total number of credits required for graduation, however, they do not count toward the major. Eight out of ten of these courses must be taught in German; exceptions to this rule can be made at the discretion of the director of undergraduate studies.

Required courses include the Advanced German sequence, German 305S and/or 306S (and/or the equivalent taught in Berlin, German 303AS, German 312AS, or German 319AS), at least two courses taught in German on Duke’s home campus numbered 320 or above, at least one of which must be a 400-level course.

Note: All Duke-in-Berlin courses taught in German at the 200 level or above, semester and summer, may count toward the major and minor as courses taught in German. Half-credit courses may count toward the total number of credits required for graduation; however, they do not count toward the minor.

Global Cultural Studies in the Literature Program (AB)
Program Code: U-LIT-AB
Degree Designation: Bachelor of Arts
Department: Global Cultural Studies in the Literature Program
Website: literature.duke.edu/undergraduate/major

Program Summary
Global Cultural Studies in the Program in Literature draws broadly on the resources of the humanities to address the ethical, cultural, technical, social, and political complexities of events in our world. We focus on aesthetic objects and the arts to do so.

As the hub of interdisciplinary humanities, the Global Cultural Studies major offers students the opportunity to engage comprehensively with areas of inquiry normally separated by disciplinary forms. Whether the focus is on 19th century travel writing or contemporary cinematic projection in Asia, the latest bio-medical breakthrough, or recent geopolitical upheavals in the Middle East, the major is concerned with deepening our understanding of the events that have shaped and continue to shape our lives. Given the rapid acceleration in the production of culture, and the apparently seamless transposition of culture into capital, our major is committed to the idea that the humanities may be the only place where broad and non-instrumental examination of the scope and nature of cultural change not only remains possible but continues to be actively encouraged.

Global Cultural Studies thus explores the range of humanistic inquiry. It is committed to the notion that the humanities produce a distinct kind of positive knowledge.
Our major provides students with the “bigger picture” that will allow them to understand and shape global cultural production and change. To that end, we offer courses that deal with major conceptual discussions in theory, philosophy, and literature as well as those that give students in-depth expertise in the work of individual thinkers, such as Michel Foucault and Simone Weil, into contemporary social movements, such as Black Lives Matter, into questions of identity, including gender fluidity, into international and intercultural cinemas, such as Eurasian cinema, into digital media and culture, including sampling and remixing and the viral circulation of cultural objects and ideas in memes and TikTok videos.

Our core faculty work comparatively in and across different cultural contexts, diverse geographical and geopolitical locations, and distinct media forms to offer courses in seven general areas:

- Critical and social theory and the history of philosophy
- Modern literature and contemporary theories and philosophies of language and literature
- Visual culture, global cinema, and film theory, the internet and media studies in the digital age
- Political and decolonial theory, Marxism, poststructuralism, and postcolonial studies
- Psychoanalysis, science studies, cognitive neuroscience, and the history of psychiatry
- Comparative race studies in a transnational frame
- Feminism, gender, queer and trans-theory, and sexuality studies.

The broad scope of our program provides students with the knowledge base and analytical skills needed for participation as responsible global citizens.

Our majors are active thinkers. The student-run Society for Modern Thought and literary journal OTHER provide extracurricular opportunities for collaborative work beyond the classroom, allowing students to expand and apply the skills they learn as Literature majors to creative and practical endeavors.

Our graduates have gone on to careers in law, medicine, information technology, public policy, teaching, academic administration, journalism, publishing, and the creative cultural industries.

The Global Cultural Studies in Literature Program also offers a film and media concentration, providing students the opportunity to pursue a flexible curriculum in global cultural studies with a focus on film and media issues. The film and media concentration is intended to work together with Duke’s Program in the Arts of the Moving Image.

Go to Programs by Department to view all related programs.

**Departmental Graduation with Distinction**

To receive Graduation with Distinction students must satisfy university GPA requirements and submit an application by the beginning of the spring semester of their junior year. They must have a minimum overall GPA of 3.0, a GPA of 3.5 in the major, and an honors thesis grade of B+ or above. Students accepted into the distinction program must take the honors seminar sequence (Literature 495 and 496). A final grade will be issued at the end of the spring term. A grade of “Z” will be issued at the end of the fall term. Students must write an honors thesis (60 pages minimum) and submit it by the official submission date noted on a written and signed departmental agreement. Students will defend the thesis before a three-member committee consisting of the thesis advisor, the director of undergraduate studies, and a third reader chosen from among the members of the literature faculty and affiliated faculty. The committee determines the grade for the thesis, which becomes the grade of the honors seminar sequence. The two honors seminars do not count toward the ten literature courses required for the major.

**Academic Requirements**

The major in global cultural studies is composed of ten courses. All majors are required to take a gateway course, Literature 201 (Gateway to Global Cultural Studies), and an upper-level course, Literature 301S (Theory Today), as well as four core courses taught by faculty with appointments in Literature. In addition, students must select three electives from across the humanities offerings at Duke (approved by the DUS or Literature advisor) and fulfill the “Senior Culminating Experience” requirement.

- **LIT 201**: Intro to Global Cultural Studies
- **LIT 301S**: Theory Today
- 4 core courses chosen taught only by faculty with primary, secondary, or joint appointments in Literature *
- 3 electives from humanities fields, with DUS review and approval
- Senior culminating experience must be completed honors thesis track

*Only courses taught by faculty who have appointments in Literature will count as Core Courses toward our Major, Minor, or Film and Media Concentration.

ALL courses MUST have a letter grade to count toward any major/minor requirements in our program.

For more information, visit literature.duke.edu.
Duke University

Major in Global Cultural Studies with Concentration in Film and Media

The major with a concentration in film and media is composed of ten courses. All majors are required to take the gateway course Literature 201 (Introduction to Global Cultural Studies), upper-level course Literature 301S (Theory Today), as well as Literature 110 (Introduction to Film Studies), and either Literature 316 (Film Theory) or Literature 317 (Media Theory). For the remaining six courses, students must take at least two courses that focus on the study of film and/or media, and at least three of the six courses must be core literature courses.

- LIT 201: Intro to Global Cultural Studies
- LIT 301S: Theory Today
- LIT 316 Film Theory OR LIT 317 Media Theory (Either option must be taught only by faculty with appointments in Literature.)
- Senior culminating experience led only by faculty with appointments in Literature: LIT 393 research independent study OR graduate-level course OR completed honors thesis track
- 6 additional courses: at least 3 must focus on the study of film and/or media and must be taught by faculty with primary, secondary, or joint appointments in Literature*. 3 electives from humanities fields, with DUS review and approval.

*Only courses taught by faculty who have appointments in Literature will count as Core Courses toward our Major, Minor, or Film and Media Concentration.

ALL courses MUST have a letter grade to count toward any major/minor requirements in our program.

For more information, visit literature.duke.edu.

Global Gender Studies, Interdepartmental (AB)

Program Code: U-IGGS-AB
Degree Designation: Bachelor of Arts
Department: Gender, Sexuality, and Feminist Studies, International Comparative Studies
Website: gendersexualityfeminist.duke.edu/undergraduate/major-GGS

Program Summary

Global Gender Studies offers a focused curriculum drawn from the Program in Gender, Sexuality and Feminist Studies and the Program in International Comparative Studies. The interdepartmental undergraduate major, which is composed of 14 courses, explores gender, sexuality, and feminism across academic disciplines. It allows majors to consider how gender, sexuality, and feminism -- as ideas, categories, identities, experiences, or sources of political and cultural conflict — develop historically in particular places and communities and at global or transnational scales.

The four required courses in Global Gender Studies focus on theory, practice, and politics. They address representation, epistemology, and ontology, as well as poverty, development, environmentalism, demography, reproduction, nationalism, indigeneity, and decolonization. They consider gender and sexuality through embodiment and intimacy; colonialism and imperialism; racism and classism; politics and economics; family and ecology.

Each student major chooses an additional 10 courses to further explore their areas of interest in Global Gender Studies from a wide range of options in ICS, GSF, and many other departments.

No Independent Studies may be counted toward the 14 courses required to complete the Global Gender Studies major.

Global Gender Studies provides opportunities for students to complete individual research and creative projects in courses that carry the R code. Students interested in completing a comprehensive research project under faculty guidance may apply to the GGS Honors/Distinction Program in spring of their junior year. Completion of the GGS Honors/Distinction Program requires majors to enroll in two additional course credits in their senior year, for a total of 16 credits.

Graduating seniors in Global Gender Studies will be listed in the International Comparative Studies and the Gender, Sexuality and Feminist Studies commencement programs. They (and their guests) will be part of the GSF Commencement Ceremony and will receive their degrees at that event.

Go to Programs by Department to view all related programs.

Global Gender Studies, Interdepartmental (AB) (U-IGGS-AB)

Academic Requirements

Academic Requirements

- 4 Required Courses
  - ICS 195—Comparative Approaches to Global Issues
  - GSF 199S—Thinking Gender: An Introduction to Feminist Theory
  - GSF 369S—Transnational Feminism
  - ICS 489S or ICS 495S—Capstone Seminar in Global Studies or Honors Thesis Seminar. If a GGS honors student chooses to take ICS 495S in fall to fulfill this requirement, they must also take ICS 496S in spring.
5 Qualifying ICS Courses for GGS. Two of the five courses must be taught by ICS Core Faculty. The remaining three are chosen from the GGS interdisciplinary courses approved for ICS (these offerings vary from term to term). No more than one of the five courses may be numbered below the 100-level. One of the five courses must be numbered at the 400-level or above.

5 GSF-Origin Courses for GGS. All five courses must originate within the Program in Gender, Sexuality, and Feminist Studies. No more than one of the five courses may be numbered below the 100-level. At least two of the five courses must be numbered at the 300-level or above.

Global Health (AB2)
Program Code: U-GLHLAB2
Plan Type: Second Major
Department: Global Health
Website: globalhealth.duke.edu/programs/undergraduate-programs

Program Summary
Global health is an area of study, research, and practice that emphasizes achieving health equity for all people worldwide. Global health involves myriad disciplines, incorporates population-based approaches and individual level clinical care, promotes interdisciplinary collaboration, and emphasizes transnational health issues and determinants. The Program in Global Health incorporates knowledge from academic disciplines—within the sciences, social sciences and humanities—to best address the complexity of global health challenges.

The mission of the global health major is to educate the next generation of scholars and leaders whose efforts will improve health and help achieve health equity for all people worldwide. Accordingly, the global health major teaches students to approach global health challenges using both disciplinary and interdisciplinary perspectives. The global health major is offered only as part of a double major program of study, meaning students must complete the global health major requirements along with the requirements of any other undergraduate major at Duke. The global health major is composed of six components—core, foundations, statistics, electives, experiential learning, and a senior seminar. Students must complete eleven courses and an experiential learning requirement, in addition to their co-major requirements, as outlined below.

Go to Programs by Department to view all related programs.

Graduation with Distinction
The Graduation with Distinction program recognizes students who successfully complete a substantive written project evaluated by a committee of three faculty members. Students majoring in global health may pursue the following tracks leading to Graduation with Distinction:

- Graduation with distinction in global health
- Graduation with distinction in global health and the non-global health major through a double honors thesis
- Graduation with distinction in the non-global health major

Students interested in graduating with distinction in global health are encouraged to pursue a double honors thesis, in order to integrate what they have learned in the two majors. Students must complete their thesis under the mentorship of a Duke Global Health Institute (DGHI) faculty member or affiliate who has experience guiding undergraduate student research. Students who meet the eligibility requirements must submit an application form by the last day of Drop/Add of the fall semester of their senior year.

Academic Requirements

- **Three Core Courses**
  - Gateway: Global Health 101 (Fundamentals of Global Health)
  - Ethics: Choose from:
    - Global Health 210 (Global Health Ethics)
    - Global Health 341 (Ethics of Infectious Disease Control)
    - Global Health 373 (Global Health Service, Research, & Ethics)
    - Global Health 241 (Global Bioethics)
  - Methods: Global Health 371/Psychology 309 (Research Methods in Global Health)

- **Three Foundations Courses.** One course from three of the four foundations. See globalhealth.duke.edu for eligible courses.
  - Arts and Humanities in Global Health
  - Global Health Systems and Policy
  - Natural Science in Global Health
  - Social Sciences in Global Health

- **One Statistics Course**
  - A course listed/cross-listed in the Department of Statistical Science or
  - Biology 203/204, BME 244, Economics 208D, Mathematics 230, Psychology 201L, Psychology 204L/205L, Sociology 333
Three Elective Courses. Each major must complete three elective courses from a predetermined list. See globalhealth.duke.edu for additional information. Electives meet the following requirements:

- any 200-level course with a Global Health offering (either owned or cross-listed);
- any course listed as a Foundation course (see above);
- only one 1.0-credit independent study or Bass Connections course (Global Health 391, 392, 393, 395(T), or 396(T)) is allowed per student;
- a maximum of 2.0 credits of preapproved study abroad or transfer credit courses are allowed per student.
- Courses from the above categories will be allowed to count as electives, with the constraint that courses cannot be double-counted within the major.

Experiential Learning. An experiential learning activity must address and/or engage a global health question, context or challenge. Students may fulfill the requirement through the DGH Student Research Training (SRT) program, an internship, a faculty-mentored independent global health project, or a summer civic engagement or research experience such as those offered by DukeEngage, Bass Connections, Data+ or Story+. The experiential learning activity must be preceded by the Ethics core course, be approved prior to engagement, and be completed prior to the spring semester of senior year. See globalhealth.duke.edu for more details on requirements and eligible experiences.

Senior Seminar. Global Health 499, Global Health Capstone. Students are expected to have completed Fundamentals of Global Health, Global Health Ethics, Global Health Research Methods and experiential learning prior to enrolling in a capstone course.

History (AB)

Program Code: U-HIST-AB
Degree Designation: Bachelor of Arts
Department: History Department
Website: history.duke.edu/undergraduate/major

Program Summary

History offers all students within the university an opportunity to investigate the past, gain perspective on the present, and improve their critical faculties. There are three broad objectives for those who major in history as a discipline. First, it offers students broad exposure to the histories of our own and other societies, to the recent and the more distant past, and to the variety of approaches to the study of history. Second, it allows the in-depth study of the history of a particular time and place or a particular type of history. Breadth of knowledge is achieved through the distribution requirements for coursework across geographic areas and in pre-modern as well as modern history. Depth is achieved through the requirement that students identify a concentration. Third, it develops the skills of historical thinking necessary for better understanding our own and other human societies and teaches majors to gather and interpret evidence and how to fashion and compellingly convey arguments grounded in that evidence.

Taken as a whole our curriculum will prepare majors to:

- Understand history as a discipline. This involves developing knowledge within a chosen area of concentration, realizing that historical interpretations change over time, and seeing the ways in which historians find layered, complex causes and connections in human affairs.
- Build critical and analytic skills. This involves learning to define research questions and to frame them as part of ongoing scholarly conversations. You will also learn to establish what contexts matter in answering those research questions, how to find a variety of relevant evidence – from speeches to visual materials to court records and beyond – and how to analyze it effectively to help refine and answer the questions posed.
- Enhance their skills in written and oral communication. This involves communicating and writing with clarity and cogency and understanding that, in History, content (what something says) cannot be separated from form (how it is said).

Our curriculum is structured around an area of thematic concentration and book-ended by two hands-on seminars: a Gateway Seminar that introduces students to the fundamentals of historical research and analysis, and a Capstone Seminar that gives students the opportunity to demonstrate what they have learned in their time as a History major.

Honors Thesis and Graduation with Distinction

Students pursuing distinction normally apply for a year-long senior honors seminar (HISTORY 495S/496S) in March of the junior year. In special circumstances, students may also prepare a thesis outside this sequence. Either way, most students begin their thesis research during the summer before the senior year, and all students pursuing distinction work closely with a faculty thesis advisor, usually through an independent study each semester.

Thesis writers are expected to produce a well-written research essay substantially engaged with primary sources and engaged with ongoing historiographic conversations. Most theses run 80-120 pages.

Upon its completion, the thesis will be evaluated by a committee of at least three faculty to determine the honors level of the thesis: Distinction, High Distinction, or Highest Distinction. The department also recognizes senior theses with two prizes: the William T. Laprade Prize for most outstanding thesis, and the Raymond Gavins prize, awarded to an outstanding thesis in African-American history, the history of Civil Rights movements, and/or the history of the US South. Both prizes are accompanied by a $250 cash award.
Students will also have the opportunity to archive their thesis work in the Duke University Library.

Academic Requirements

Ten history courses, at least seven of which must be at or above the 200 level. The ten courses may include one transfer credit and up to three courses cross-listed as history courses regardless of the department through which the student enrolls. At least seven must be from the list of approved “core” history courses on the department website.

The ten courses are to be distributed as follows:

1 Gateway Seminar: History 150-199 are identified as gateways and are ideally taken by the end of the sophomore year.

3 Courses from a Geographic Area of History: Select one course each in any three of the six geographic areas listed below.

4 Courses in an Area of Concentration: Students have two ways to focus their studies in History. A geographic concentration allows you to explore a specific area of the globe while a thematic concentration allows you to focus on a specific theme or subject area from a historical perspective.
   - You must select at least four courses in your chosen field of concentration.
   - One course below the 100 level may be counted toward the student’s concentration.
   - Concentration courses count toward meeting the area and pre-modern distribution requirements.

2 Pre-Modern Courses: At least two courses must focus substantially on eras before 1800 (consult list on the department website).

1 Capstone Seminar: Select at least one senior research seminar (History 550-499s) specifically coded CAPSTONE SEMINAR or CAP SEM. This seminar is usually taken in the junior or senior year.
   - A 500-600 level history seminar may be substituted for the capstone seminar if approved by the director of undergraduate studies and the course instructor.
   - The senior thesis seminar (History 495S and 4965S) substitutes for the capstone seminar for those students accepted into the program.

Geographic Concentrations:
- Africa and the Middle East
- Asia
- Europe and Russia
- Global or Comparative
- Latin America and the Caribbean
- United States and Canada

Individual courses in each area are listed on the department website. If a course is not listed, students should petition the Director of Undergraduate Studies (DUS) to classify it appropriately (a syllabus may be requested).

Thematic Concentrations:
- Economic and Business Cultures
- Emotions and Psychology of Self
- Human Rights and Social Movements
- Law and Governance
- Medicine, Science, and Technology
- Race and Ethnicity
- War, Military, and Society
- Women, Gender, and Sexuality

Individual courses in each are listed on the department website. If a course is not listed, students should petition the DUS to classify it appropriately (a syllabus may be requested).

Double Counting: Courses can fulfill two or more requirements. For example, History 226 on Ancient and Early Modern Japan could count towards both a pre-modern and a geographic area requirement. For a student with an area concentration on Asia, it would also count toward their geographical concentration requirement.

Advanced Placement: Advanced Placement (AP) courses do not count as one of the ten required courses for the history major.

International Baccalaureate: International Baccalaureate (IB) courses do not count as one of the ten required courses for the history major.

Transfer Credit: One History course taken abroad or at another college may be counted towards the major if approved by the DUS.
The History Department sets a relatively high standard in evaluating whether college-level courses completed at other institutions are acceptable as equivalent to courses taken in our department. Approval is not automatic and will be awarded only on a case-by-case basis and must be accompanied by a syllabus. Courses taken in a Duke abroad program (e.g., Duke in Florence, Duke in Berlin) are not counted as transfer credits towards the major because they are considered to have been taken at Duke.

Cross-listed Courses: Three Duke courses from other departments that have been cross-listed in history can count towards the ten courses required for the major.

- However, when taking courses cross-listed in history that originate in other departments, the major must be careful to guarantee that their ten courses for the major include seven courses listed as "core" courses on the website.
- In exceptional cases, a student may petition the DUS to consider a specific cross-listed course for classification as "core" for the purpose of the major.

Foreign Languages: Majors interested in a particular area of study benefit from knowledge of the language of that area. Those considering possible graduate work are reminded that most graduate programs require advanced and/or reading knowledge of one or more foreign languages.

Majors Planning to Teach: Majors who plan to teach in secondary schools should consult an advisor in the Program in Education. Rising juniors who intend to practice-teach in the senior year should consider taking the senior capstone seminar as juniors.

Departmental Graduation with Distinction: Any student who is qualified may apply to the DUS for permission to undertake work leading to a degree with distinction (see the section of the History website on the Honors Thesis and Graduation with Distinction).

Independent Study (HISTORY 391/392) is usually undertaken by students concurrently with the Thesis Seminar or with an instructor with whom they have had a course. They offer students a unique opportunity for directed work in an area of special interest not available in the existing course offerings.

- A proposal for directed reading and research should include a detailed description and a list of the proposed readings, and should result in a substantive paper or report.
- The form must be signed by the instructor and the director of undergraduate studies.

Interdisciplinary Program in Engineering (IDEAS) (BSE)

Program Code: U-IDC-BSE
Degree Designation: Bachelor of Science in Engineering
Department: Pratt School of Engineering, Electrical & Computer Engineering Department
Website: pratt.duke.edu/undergrad/students/policies/3512

Program Summary
Through IDEAS: Interdisciplinary Engineering & Applied Science, undergraduates propose their own curricula, or use approved curricula, to create specialized Bachelor of Science in Engineering (BSE) degrees.

To participate, engineering students (in consultation with an independent study advisor and appropriate faculty members) propose unique combinations of courses designed to meet their career objectives.

To guide students while creating their proposals, a General Curriculum template and three Approved Curricula templates can be found on the IDEAS site.

IDEAS curricula are not specifically accredited by the Engineering Accreditation Commission of ABET, but do satisfy the national general engineering accreditation criteria.

Go to Programs by Department to view all related programs.

Academic Requirements

Academic Requirements
Students must submit proposals to the Engineering Faculty Council, through the Office of the Engineering Dean, for approval.

Timing
A proposal may be submitted as early as the second semester of the first year, but must be submitted before the senior year.

Minimum Requirements
Although not individually accredited, these programs satisfy the national general engineering accreditation criteria.

At the Pratt School of Engineering, the term "national general engineering accreditation criteria" corresponds to 34 courses:
Writing 101

9 Courses in Mathematics and the Natural Sciences
- At least one (1) Physics Course must be taken post-matriculation
- Engineering Track Course prerequisites may satisfy Natural Science requirements

13 Courses in Engineering
- EGR 101 Engineering Design & Communication
- EGR 103 Computational Methods
  - Students with Advanced Placement (AP) credit in Computer Science may substitute CS 201
- EGR 238 Data & Decision
- 4 Engineering Track Core Courses
- 2 Engineering Track Electives
  - 5 or more Track Core and Track Electives must be at or above 300 level
  - 3 or more Track Core and Track Electives must be at or above 400 level
- 2 Engineering Science Electives
  - Engineering Track Course prerequisites may satisfy Engineering Science elective requirements
- 2 Independent Study, Capstone, or Equivalent Courses

1 Open Track Elective
- Not necessarily an engineering course

5 or More Free Electives
- AP credit may not be applied toward free elective courses

Curricula and Templates
While it is not required, students may use—and are strongly encouraged to use—the Approved Curricula and templates provided on the IDEAS site.

International Comparative Studies (AB)
Program Code: U-ICS-AB
Degree Designation: Bachelor of Arts
Department: International Comparative Studies
Website: internationalcomparative.duke.edu/academics

Program Summary
The International Comparative Studies Program offers a bachelor of arts degree to students interested in an interdisciplinary individualized major focused on global and transnational studies. The ICS Program mission is to prepare lifelong learners who can live, work, and thoughtfully engage with people and problems in a complex, diverse, and interconnected world. ICS majors gain knowledge in the culture(s), history, politics, and language of one geographic region of the world through region and foreign language coursework. This multidimensional study of a particular part of the world is complemented by an examination of transnational dynamics through core and comparative coursework in global studies. Well over 75 percent of ICS majors complete some of their coursework in study away programs. Core courses, individualized advising, and research mentoring encourage ICS students to formulate and address questions through a variety of disciplinary approaches.

The most up-to-date listings of approved global and region courses is available on the ICS website under “Courses.”

The ICS major is divided into four categories: (1) Core courses are taught by ICS faculty members and include the required gateway course (taken in first or second year), the required capstone seminar (taken in senior year), and for students in excellent academic standing who wish to complete a lengthy supervised research project, the two-semester senior year honors thesis sequence. (2) Region courses focus on a particular geographic area of the world. (3) Global courses focus on global and transnational studies. (4) Foreign language courses build expertise in one language related to a student’s region focus. Region, Global, and foreign language courses are offered by faculty members in many of Duke’s academic programs and departments, as well as in study away programs. Each ICS major must complete a curricular plan, updated with and approved by an ICS advisor each semester, to assure they are on track toward fulfilling major requirements.

Go to Programs by Department to view all related programs.

Departmental Graduation with Distinction
ICS offers a Graduation with Distinction program for majors whose achievements in university coursework and co-curricular experiences have prepared them to complete an interdisciplinary research-based project on a question of interest relevant to the global and transnationalism focus of the ICS Program.

Structure: A two-semester seminar sequence (International Comparative Studies 495S and International Comparative Studies 496S), taken fall and...
The fourteen courses for the major are to be distributed as follows:

Thesis sequence does not exempt majors from the second 400-level or above course requirement. Successful completion of the first semester of the ICS honors thesis sequence fulfills the capstone requirement. The second semester of the gateway course fulfills one of the 100-level requirements and the ICS capstone seminar fulfills one of the 400-level or above requirements.

400 level. Four foreign language courses in one language, initiated at any level. Region and Global courses may not be below the 100 level. The ICS Ten courses (Core, Region, and Global) at least eight of which must be at or above the 200 level and at least two of which must be at or above the

Academic Requirements

Ten courses (Core, Region, and Global) at least eight of which must be at or above the 200 level and at least two of which must be at or above the 400 level. Four foreign language courses in one language, initiated at any level. Region and Global courses may not be below the 100 level. The ICS gateway course fulfills one of the 100-level requirements and the ICS capstone seminar fulfills one of the 400-level or above requirements. Successful completion of the first semester of the ICS honors thesis sequence fulfills the capstone requirement. The second semester of the thesis sequence does not exempt majors from the second 400-level or above course requirement.

The fourteen courses for the major are to be distributed as follows:

- Gateway Course: Comparative Approaches to Global Issues (ICS 195). This course is offered in fall and spring semesters. Whether or not they major in ICS, students are expected to complete the course in the first or second year of study. Students who plan to be ICS majors are expected to complete the course before a study-away semester. Rising juniors or seniors who decide to major in ICS may petition the director of undergraduate studies to take the course in exceptional circumstances, although course enrollment is capped at forty-nine and wait lists are honored. The course is cross-listed in DukeHub by the departments of cultural anthropology, sociology, history, religion, political science, and gender, sexuality, and feminist studies (the course number under which a student enrolls is irrelevant). ICS 195 is a prerequisite for ICS 489S, the ICS capstone seminar.

- Region Concentration (four courses): To gain some historical, political, and cultural knowledge depth related to one part of the world, ICS majors choose a Region concentration and complete four courses chosen from ICS-approved region courses. The most up-to-date region courses are available on the ICS website. Region courses are generally not assigned an ICS number in DukeHub, although they will have such a number if they also meet ICS Global criteria.

- Criteria for ICS Region courses: Content is focused on cultural, social, historical, political, economic, and/or identity dynamics; is theoretically informed and empirically engaged with fieldwork, archives, literary, artistic, and cultural artifacts or processes, and/or statistical data; is largely focused on a particular place or region; and examines dynamics that occurred at any time from 1700 to the present, although it may include content that began in earlier periods.

- ICS Regions: ICS students choose a Region concentration from the following seven geographic options: Africa; China and East Asia; Europe; Latin America and the Caribbean; Middle East; Russia and Central Asia; and South Asia. Alternatively, an ICS major may propose to the director of undergraduate studies a differently conceptualized geographic Region focused on a part of the world not captured in or crossing these Region designations, for example, around a body of water or proximal borders. Cases made for such
Duke University

independently conceived areas must be thoughtful and intentional rather than ad hoc. The seven ICS Regions are based on historical, cultural, political, and/or economic histories of connection. At the same time, the ICS intellectual project understands that state borders and regions are dynamically produced by different processes and agendas, including transnational ones, and recognizes dramatic variety within these regions.

- Interdisciplinarity: The four Region courses chosen must come from at least two disciplinary or interdisciplinary departmental homes. The disciplinary home is determined by the originating departmental sponsor of the course. Approved ICS Region courses are listed according to the disciplinary home/number on the ICS website. However, a given ICS student may enroll in an approved Region course under any cross-list department/number.

- Study Away Courses in a Foreign Language: Content courses offered in an advanced level of a non-English language at a study-away institution may count toward a major’s Region concentration if they meet region criteria.

- Global Courses (4): ICS majors complete four courses chosen from a robust list of ICS-approved Global courses that is available on the ICS website. Global courses are typically assigned an ICS number in DukeHub, but are listed and organized according to the original disciplinary or interdisciplinary department home/number on the ICS website.

- Criteria for Global courses: Content is organized by a connective, transnational, comparative, or international approach to cultural, social, historical, political, economic, environmental, or discursive dynamics. Courses approach the above through one or more of the following nodes: 1) institutions, organizations, or systems; 2) identities and lived experiences; 3) circulations, circuits, borders, and migrations; 4) social or other movements; 5) cultural productions and receptions. By definition, course content should not be delimited by a focus on one place or state. Course content is theoretically informed and empirically engaged (ethnography, observation, interviews, archives, surveys, and statistical data; institutional, literary, artistic, cultural, commercial, or environmental artifacts, processes, or forms). Course content examines dynamics that occurred at any time from 1700 to the present, although it may include content that began in earlier periods.

- Interdisciplinarity: The four Global courses chosen must come from at least two disciplinary or interdisciplinary departmental homes. The disciplinary home is determined by the originating departmental sponsor of the course. Approved ICS Global courses are listed according to the originating disciplinary home/number on the ICS website. However, a given ICS student may enroll under any cross-list department/number of an approved Global course.

- Foreign Language Corequisite (4 courses): Because language knowledge is crucial to deeper historical, political and cultural understanding, as well as social and professional functioning in a variety of settings, the ICS major requires two years (four full courses) of university courses in one non-English language used by a group in part or all of the geographic region concentration. College Board, IB, or other preuniversity language courses, knowledge, or exams cannot be counted toward this requirement. Language courses used to fulfill the requirement may begin at any level. Barring other restrictions, students should count toward the ICS major the most advanced university language courses taken. Barring other restrictions, unlimited content courses offered in one foreign language may count toward the foreign language corequisite. Language courses can be found in their sponsoring departments and will not be listed by ICS numbers in DukeHub.

- Double Counting: One advanced language course may double count in the appropriate Region or Global category if its content meets ICS Region or Global criteria and other thresholds (see FAQs on the ICS website), whether the course is offered on Duke’s campus or is an approved study away course.

- Research Methods: In certain situations, such as when a student is fluent in a non-English language widely used in the chosen Region concentration, one of the foreign language courses may be met with a research methods or research analysis course.

- Notes: Although the foreign language requirement is not flexible, in certain cases there is reasonable flexibility in regard to the language used to fulfill it. Examples of such cases: 1) when a second year of a language is not taught at Duke; 2) when no language course is available at a sufficiently advanced level. See “Major Requirements” on the ICS website for additional notes on the ICS foreign language requirement.

- Capstone Seminar: International Comparative Studies 489S (Capstone Seminar in International Comparative Studies). At least one section of this seminar is offered each fall and spring semester. The seminar is restricted to declared ICS majors in their final year or semester (for December graduates) of study. International Comparative Studies 195 is a prerequisite for International Comparative Studies 489S. ICS seniors who produce capstone seminar research projects of exceptional quality are nominated for the ICS Capstone Research Prize by their faculty member. Winners receive a book prize, are listed in the Duke Commencement Program, and are recognized in the ICS Diploma Program and Ceremony.

ICS Advising & ICS Curricular Plan: After a student has formally declared an ICS major, the director of undergraduate studies will assign the student an ICS faculty advisor. Each major is required to complete an ICS Curricular Plan (forms are available on the ICS website). In order to assure that each student’s curricular plan is accurate and up-to-date and each ICS major is on track for timely completion of the major, each ICS major is responsible for meeting with their ICS faculty advisor every semester before registration. Students who are studying away often communicate with their ICS advisor through email or Skype. This requirement to update a curricular plan every term also holds true for ICS AB2 majors and ICS majors who plan to study away the following semester, unless they have completed all ICS requirements. Because of the interdisciplinary nature of the ICS major, meeting with one’s advisor and updating the curricular plan is the single most important administrative aspect for a successful senior clearance before commencement.
Study Away: ICS students are strongly encouraged to study away for a semester, and a large majority of ICS majors complete some part of their coursework in study away programs. Students considering or planning to major in ICS are expected to complete the required gateway course, ICS 195, before a study away semester. Up to four full credit study away or transfer courses that meet ICS Region, Global, or foreign language criteria may count toward the major. Students who declare an ICS major are required to meet with an advisor and begin their ICS Curricular Plan before leaving for a study away program. The ICS gateway, capstone, and thesis courses must be taken at Duke and may not be substituted with transfer or study away courses. Further important information on study away requirements and policies is available on the ICS website.

Grants and Awards: Duke students who are not graduating seniors are eligible to apply for research funding provided by several units on campus. For more information, visit the Undergraduate Research Support Office website at undergraduateresearch.duke.edu. In addition, rising seniors accepted into the ICS Distinction Program may apply for a summer travel grant to advance language learning and/or to conduct field research, funded by the Scott Lee Stephenson Memorial Fund. The author of an exceptional distinction project is recognized with the ICS Distinguished Thesis Award. Additionally, up to four Capstone Research (Book) Prizes are awarded to seniors who produce superb research in an ICS capstone seminar.

Italian Studies (AB)
Program Code: U-ITAL-AB
Degree Designation: Bachelor of Arts
Department: Romance Studies Department
Website: romancestudies.duke.edu/undergraduate/majors/italian-studies

Program Summary
The Italian studies major offers two concentrations: Italian studies and Italian and European studies. Students majoring in Italian develop language skills in their social and cultural contexts. The combination of linguistic and cultural competency is excellent preparation for a variety of professional careers in business, government, the humanities, and science. Double (second) majors are encouraged and supported. Numerous opportunities are available, including programs of study abroad, work study, interdisciplinary programs, and Fulbright. Students interested in majoring in Italian should consult the director of undergraduate studies.

Departmental Graduation with Distinction
Qualified students may apply for Graduation with Distinction. The application deadline is preregistration for the fall semester of the senior year. Students must find an appropriate faculty advisor to oversee the honors project. The thesis may be written in the language best suited to its likely audience, but students pursuing graduate study in a Romance studies field must write the thesis in the language of the area of study. Further information may be obtained from the director of undergraduate studies or the assistant to the director.

Study Abroad
Students are strongly urged to study abroad since this is the best way to achieve language proficiency and to acquire knowledge of a country's culture. Courses taken abroad count toward the core and/or related courses as follows:

- Duke-Administered Semester Programs in English (Duke in Florence; Duke in Venice)
  - Major: A maximum of three courses per semester may be counted as related courses.

- Duke-Administered Summer Programs in the language (Duke in Bologna)
  - Major: Two courses may be counted toward the core-course requirement.

- Duke-Administered Summer Programs in English (Duke in Venice)
  - Major: One course may be counted toward the core-course requirement.

- Non-Duke-Administered Semester Programs in Italy (All courses taught entirely in Italian)
  - Major: A maximum of two courses per semester may count toward the core-course requirement and a maximum of one may count as a related course.

- Non-Duke-Administered Semester Programs in Italy where not all courses are taught in Italian
  - Major: A maximum of two courses per semester may count toward the core-course requirement.

- Non-Duke-Administered Summer Programs (Courses taught in Italian)
  - Major: One course may be counted toward the core-course requirement.

Italian Studies (AB) | U-ITAL-AB

Academic Requirements

Italian Studies Track
A total of ten courses, at least eight of which must be at the 300 level or above. (Courses below the 300 level are restricted to Italian 213A, Italian 203, and Italian 204). Six of the ten courses must be taught in Italian, or taken concurrently with an Italian preceptorial (P) component (taught in Italian) or the Italian 370T tutorial and include at least one course in each of the following areas: Medieval, Renaissance, Modern/Contemporary, Linguistics. The four remaining courses may be taught in English, such as courses in Romance studies, or cross-listed courses with Italian content offered by other departments or programs such as art history, cultural anthropology, English, cinematic arts, history, international comparative area studies, literature, medieval and renaissance studies, music, philosophy, political science, religion, and theater studies. Duke-approved courses taught in Italian in study abroad programs may also count toward this major concentration.

**Italian and European Studies Track**
An interdisciplinary concentration requiring a total of ten courses, at least eight of which must be at the 300 level or above. (Courses below the 300 level are restricted to Italian 213A, Italian 203, and Italian 204). Five of the ten courses must be taught in Italian, or taken concurrently with an Italian preceptorial (P) component (taught in Italian) or the Italian 370T tutorial, and include at least one course from two of the following areas: Medieval, Renaissance, Modern/Contemporary, Linguistics. Five related courses on any Italian and/or European topic may be taken in or outside the department and not in the language of the major (consult the undergraduate major advisor for approval of related courses). Duke-approved courses taught in Italian in study abroad programs may also count toward this major concentration.

**Linguistics (AB)**
Program Code: U-LING-AB
Degree Designation: Bachelor of Arts
Department: Linguistics Department
Website: linguisticsprogram.duke.edu/major

**Program Summary**
From the earliest philosophers to modern neuroscientists, researchers from a wide range of disciplines have explored a diverse range of issues concerning the human capacity for language and the diversity of the world’s languages. Linguists work at the intersection of these issues and define linguistics as the science of language and languages. During the past 150 years, linguists have developed a variety of theoretical paradigms to describe and explain language history, dialect variation, cross-cultural similarities and differences, the neurological processing and production of language, and the evolutionary emergence of language.

The linguistics major at Duke is unique in its range of theoretical approaches coupled to the study of languages of the world. The required courses for the major stress empirical methods and the global database; the theory courses expose the student to the perspectives offered by historical and comparative linguistics, structural linguistics, generative linguistics, sociolinguistics, semiotics, discourse analysis, philosophy, cognitive linguistics, and psycholinguistics. The major maintains the traditional and mainstream body of linguistic inquiry and, at the same time, encourages exploration of the most recent developments in language study that issue from cultural and literary theory and the biological sciences.

The major is composed of ten courses, eight of which must be at the 200 level or above. The courses combine empirical methods with theory. They are devised to provide depth and breadth in linguistic theory, the different schools of linguistics, the history and development of linguistic thought, and the interdisciplinary aspects of linguistics in the context of languages and cultures. Majors must take Linguistics 201 and 202, which define the fundamental questions of linguistic theory in the context of the world’s languages; and in the junior or senior year the capstone course Linguistics 450S, which adds cohesion to the major. For depth, the student is required to take three courses from the list of theory courses, which provide the necessary theoretical and empirical constructs for the study of linguistics. In addition, two courses are required in one of the concentrations in a specific area of linguistics. All majors are required to take at least two foreign language courses at or above the 300 level. Students may petition to add courses to the list of courses that count toward the theory and disciplinary areas below (II and III).

Go to Programs by Department to view all related programs.

**Departmental Graduation with Distinction**
The linguistics program offers work leading to Graduation with Distinction. See the program chair.

Procedure for Selection of Students. An overall GPA of 3.3 and GPA of 3.5 in the major are required. The process for admission to the Graduation with Distinction program is initiated by the submission of a research proposal to a faculty advisor by the end of the second semester of the junior year.

Expected Product. The central requirement is an honors thesis prepared by the student under faculty supervision. The thesis generally consists of three to five chapters with an extensive bibliography.


Levels of Distinction. The honors thesis committee will decide to grant distinction and at what level (Distinction, High Distinction, Highest Distinction) based on the quality of the completed work.

Special Courses Required. The program consists of two courses:
1. Research Independent Study (Linguistics 493). Taken in the fall semester of the senior year, this course is devoted to development of the honors thesis and includes close supervision of the writing stage of the project by a faculty member selected by the student.

2. Capstone Course (Linguistics 450S or 595). The second course is the capstone course required for all linguistics majors, which must be one of the following courses: Linguistics 450S, Senior Seminar in Linguistics, or Linguistics 595, Language, Music and Dementia.

Additional research independent study courses may be taken. Independent study courses are above and beyond the ten courses required for the major.

Academic Requirements

The linguistics major is composed of ten courses, eight of which must be at the 200 level or above. The courses combine empirical methods with theory. They are devised to provide depth and breadth in linguistic theory, the different schools of linguistics, the history and development of linguistic thought, and the interdisciplinary aspects of linguistics in the context of languages and cultures. The requirements are as follows:

- **Introductory Linguistics Courses (two):**
  - Linguistics 201 (Introduction to Linguistics)
  - Linguistics 202 (Languages of the World)

- **Capstone:** Linguistics 450S (Jr./Sr. Seminar in Linguistics) or Linguistics 595 (Language, Music and Dementia)

- **Theory:** Three courses in the study of theoretical linguistics. Courses to be chosen from the following list:
  - 203S. Introduction to Theoretical Linguistics
  - 204. English Historical Linguistics
  - 206. Variety in Language
  - 207. Psychology of Language (cross-listed)
  - 209. Philosophy of Language
  - 216S. Neuroscience and Human Language
  - 250. Symbolic Logic
  - 303. Fundamentals of Spanish Linguistics
  - 305S. Italian Sociolinguistics
  - 306S. Korean Sociolinguistics
  - 308S. Bilingualism
  - 364. Gender and Language
  - 410S. Linguistics and Law
  - 451. Language and Society
  - 471S. Language and Politics
  - 473S. Neuroscience and Multilingualism (cross-listed w/Neuroscience 439S)
  - 480S. Critical Discourse Analysis
  - 493. Research Independent Study
  - 490S. Special Topics in Linguistics
  - 494. Research Independent Study
  - 497. Second Language Acquisition and Research
  - 501. Cognitive and Neurolinguistics
  - 502S. Language, Brain, and Human Behavior
  - 506. Semiotics and Linguistics
  - 510. Brain and Language
  - 561S. Second Language Acquisition and Applied Linguistics
  - 590. Special Topics
  - 590S. Special Topics in Linguistics
  - 595, Language, Music and Dementia

- **Disciplinary Areas.** Two courses in one of the areas listed below. No course taken for credit as theory may be double-counted to fulfill the disciplinary concentration requirement. Qualifying courses are listed above under the heading “Regularly Scheduled Linguistics Courses and Special Topics Courses.” Disciplines include:
  - Asian and Middle Eastern Studies
  - Computer Science
  - Cultural Anthropology
  - English
  - German
  - Italian
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- Neuroscience
- Philosophy
- Psychology
- Romance Studies
- Slavic and Eurasian Studies
- Spanish

- Junior/Senior Seminar in Linguistics (Linguistics 450S) or Language, Music and Dementia (Linguistics 595). The capstone course for the major, usually taken in the junior or senior year.
- Language Requirement. Two semester courses in a single language other than English at or above the 300 level, excluding languages in which the student possesses CEFR C2 proficiency in speech and writing. Advisor’s approval is required in order to determine the language chosen for the major. The specific language courses are too numerous to list here. Advisors should also be consulted for specific approval of the language choice if it does not conform to the list below: Arabic, Chinese, French, German, Greek, Hebrew, Hindi, Italian, Japanese, Korean, Latin, Polish, Portuguese, Russian, Spanish.

Linguistics and Computer Science, Interdepartmental (AB)
Program Code: U-ILGCS-AB
Degree Designation: Bachelor of Arts
Department: Computer Science Department, Linguistics Department
Website: cs.duke.edu/undergrad/idm/linguistics

Program Summary
In recent years, we have been witnessing exciting advances in the intersection of computing and linguistics, as well as growing interest in these disciplines among undergraduate students at Duke. We are happy to offer an inter-departmental major (IDM) that allows students to pursue their joint interests in Computer Science and Linguistics.

We expect student interests to be diverse, some interested more in computer science, while others may be more interested in theoretical linguistics, neurolinguistics, or sociolinguistics. There is no one-size-fit-all. The requirements below accommodate all of these interests. We have also annotated specific courses with their relevance to different tracks, and developed example semester-by-semester course plans for these tracks. Because of the rapid developments in the field, course offerings related to this IDM will likely continue to evolve in the coming years. We will continue to revise the course plan to reflect any such changes.

Go to Programs by Department to view all related programs.

Academic Requirements

Academic Requirements
An IDM must consist of a minimum of 14 courses, split evenly between the two departments (i.e., seven courses in each).

From Computer Science
Prerequisites:
- COMPSCI101, 102, 103, or 116

Core (5): at least 12 out of 5 must be 300-level or above.
1. COMPSCI201 (Data Structures and Algorithms)
2. COMPSCI230 (Discrete Math for Computer Science)
3. COMPSCI330 (Design and Analysis of Algorithms) or 334 (Mathematical Foundations of Computer Science)
   - 330 is recommended as it is a quintessential COMPSCI course (required by the COMPSCI BS/BA degrees), but 334 is also relevant because of its coverage of formal languages. If one of them is used to fulfill this bullet, we recommend taking the other as an elective.
   - 250 is recommended for its coverage of architecture and lower-level computer languages.
   - 316 is recommended for its coverage of various data query languages and data management/analysis techniques.
5. One of COMPSCI 370 (Intro. Artificial Intelligence) or 371 (Elements for Machine Learning)
   - 370 is recommended for its coverage of knowledge representation and logic.
   - 371 is recommended for its coverage of data analysis techniques.

Electives (2): any COMPSCI courses at 200-level or above, besides the 5 used to fulfill the core requirement above. Here are some more recommended courses besides those already listed above:
From Linguistics

Required CORE (5) courses:

1. LINGUIST 201 Introduction to Linguistics or LINGUIST 203 Elements of Linguistic Structure
2. LINGUIST 202 Languages of the World (and we could add a section on computer languages)
4. Neurolinguistic requirement (1 course from following: LINGUIST 216FS, 336S, 473S, 510, 595)
5. LINGUIST 450S - Junior/Senior research seminar in Linguistics (or junior/senior seminar that includes CS + LIN)

Plus Relevant Electives (2), including (but not restricted to) the following:

- LINGUIST 204 English Historical Linguistics
- LINGUIST 205 Law and Language
- LINGUIST 207 Psychology of Language – language and cognition, biological bases, animal communication, language pathologies, nonverbal communication, bilingualism
- LINGUIST 209 Philosophy of Language – theories of language, signs and symbols, theories of meaning, types of discourse (scientific, mathematical, poetic)
- LINGUIST 213FS Politics of Language – political theory, sociology and sociolinguistics approaches to understanding how language policies reflect and produce sociopolitical realities (topics include migration, citizenship, nationalism and decolonization)
- LINGUIST 216FS Neuroscience and Human Language – primary research in neuroscience, neurolinguistics, imaging and linguistic theory
- LINGUIST 217FS Language, Thought and Culture
- LINGUIST 250 Symbolic Logic – detailed analysis of deduction and deductive systems
- LINGUIST 303 Fundamentals of Spanish Linguistics
- LINGUIST 305S Italian Sociolinguistics
- LINGUIST 306S Korean Sociolinguistics
- LINGUIST 308S Bilingualism
- LINGUIST 336S Issues in Language Development – topics include critical periods, role of ‘motherese’, infant speech perception, innovative word creation, telegraphic speech, bilingualism, second language learning, cognition and culture, language pathology, focus on methodologies and analysis
- LINGUIST 364 Gender and Language – includes cognitive science, cultural anthropology/ethnographic and sociolinguistic research methods
- LINGUIST 395S Language in Immigrant America – language in context of immigration to U.S. from 1900 to present, approaches informed by language policy, media studies, literature, memoirs, linguistic anthropology, topics include identity, assimilation, race, bilingual communities, bilingual education, foreign accents, language contact
- LINGUIST 409S Identity and Linguistic Rights
- LINGUIST 437S Language Development - unique human ability: learning language, how young children first learn language, including: 1) how children figure out what sounds their language includes; 2) how infants learn words & their meanings; and 3) what kind of processes help babies figure out the grammar of their particular native language. Methods and analysis based on primary research, experimental and observational data, and new research initiatives.
- LINGUIST 451 Language and Society – language as social practice, including language and social identity (such as ethnicity, social class, age, gender), variation in language (including dialects, accents, registers), multilingualism, languages in contact (including pidgins, creoles), intercultural communication, language in education and media
- LINGUIST 471S Language and Politics – examination of the interfaces between language, migration, and socio-political structures in the newly independent nations of Eurasia. While these interfaces have long historical antecedents in nation-state formations, their manifestations in the post-national, post-communist era are novel and complex. Understanding these new dynamics requires viewing language from a political-sociological perspective that takes into account the interplays between the local, the national and the global.
- LINGUIST 473S Neuroscience and Multilingualism – healthy subjects and lesion-deficit studies, imaging methods and analysis (including BOLD fMRI and resting state, PET, MEG, EEG/ERP, eye tracking studies, fundamentals of languages and linguistic theory
- LINGUIST 480S Critical Discourse Analysis – central theories, frameworks and methodologies of CDA with analysis of real-world discourse and texts, ethical implications
- LINGUIST 510 Brain and Language – focus on imaging studies (fMRI [including BOLD and resting state], PET, MEG, EEG/ERP), functional connectivity, analysis of data and methods, theory and controversies
- LINGUIST 595 Music, Language and Dementia - neuroscience data on cognitive processing of languages and music in healthy subjects and pathology. Specific attention given to the interaction of language(s) and music in the brain, music therapy and dementia, and multilingualism and dementia. Topics include the role of languages and music in building cognitive reserve, linguistic breakdown and cognitive decline in
healthy aging and dementia, cross-cultural studies of pitch and timbre perception across languages of the world, possible benefits of multilingualism in healthy aging, interactions of singing and memory, integration of auditory and visual neural systems in language and music.

Note: The Neurolinguistic courses are cross-listed with NEUROSCI. Other courses are often cross-listed with Cultural Anthropology, Sociology, English, Philosophy.

Marine Science and Conservation (AB)

Program Code: U-MSC-AB
Degree Designation: Bachelor of Arts
Department: Marine Science & Conservation
Website: nicholas.duke.edu/academics/undergraduate-programs/marine-science-conservation

Program Summary

The Bachelor of Arts and Bachelor of Science degrees are offered with a major in Marine Science and Conservation, or in an individually designed interdepartmental concentration approved by the Director of Undergraduate Studies in Marine Science and Conservation. Information may be obtained in the office of the Director of Undergraduate Studies. These degree programs are offered through Duke University's Marine Laboratory in Beaufort, North Carolina. Course offerings are available in Durham and Beaufort. Full programmatic details are available on our website.

The Marine Science and Conservation majors and minor are offered through the Division of Marine Science and Conservation in the Nicholas School of the Environment. The majority of the Division of Marine Science and Conservation faculty are resident at the Marine Laboratory in Beaufort, NC. Additional courses in marine science are offered in Biology and Global Health in the Trinity College of Arts and Sciences; in the Divisions of Environmental Science and Policy and Earth and Climate Science in the Nicholas School of the Environment; and in the Pratt School of Engineering.

The Duke University Marine Lab provides students with a unique experiential opportunity to live and study in Beaufort for a full academic semester (fall or spring) or during two summer terms. The program emphasizes small class sizes, independent research projects, and integrated classroom, laboratory, and field experiences. Students have daily access to the surrounding marine environment and to modern scientific equipment including a shared-use molecular laboratory, and the Marine Robotics and Remote Sensing (MARSS) Lab.

Residential undergraduate courses are offered year-round (fall, spring, and summer sessions I and II) at the Duke Marine Lab. Fall and spring courses include travel courses which offer students opportunities for extended travel with Duke faculty to Mexico, Panama, Puerto Rico, Singapore, the US Virgin Islands, and Australia. Small class size and an island setting facilitate rewarding student-faculty interactions.

Go to Programs by Department to view all related programs.

For the AB Degree

This degree is designed to be a general liberal arts major, and targets students interested in studying social science, policy, and governance related to oceans.

Graduation with Distinction in Marine Science and Conservation

The Marine Science and Conservation degree offers a Graduation with Distinction option. Interested students with a 3.0 grade point average overall and a 3.2 grade point average in the Marine Science and Conservation major should apply by the beginning of their senior year. The application should include a written request to the Director of Undergraduate Studies describing the research project and identifying the faculty advisor who has agreed to supervise the research. At least one research independent study is required as part of the Graduation with Distinction process, although more than one is encouraged. The student will write a thesis describing their research. The thesis will be evaluated by the faculty advisor. The student will also present their results to fellow students and faculty before the end of their final semester.

Academic Requirements

Corequisites. Students must choose three of the following: Chemistry 101DL or 110DL, Chemistry 201L or 210DL (Chemistry 201L/210L is recommended but not required), Biology 201L or 202L or 203L, Physics 141 or 151L or 161L, Environment 155 or Econ 101 and 201 or PubPol 155 and 303. Students must also choose one of the following: Math 111L and 112L or 122L or Stats 101 (or equivalent).

Major Requirements. One gateway course: Future of the Oceans (MARSCI 201). Three core courses: Marine Biology (MARSCI 202), Marine Social Science (MARSCI203), and Integrative Oceanography (MARSCI 204). Five elective courses at the 200-level or above, of which at least three must be Marine Science and Conservation "A" courses, and up to two courses can be alternative electives from other Duke departments. Courses can be a mix of natural, physical and social sciences. A maximum of two independent study credits can be used for electives. A maximum of one course from another university can be used as an elective with approval by the director of undergraduate studies. One capstone course: Marine Science and Conservation Capstone (MARSCI 350S). The capstone course may be substituted by a Graduation with Distinction thesis following the guidelines below.

Marine Science and Conservation (BS)
Marine Science and Conservation (BS)
Program Code: U-MSC-BS
Degree Designation: Bachelor of Science
Department: Marine Science & Conservation
Website: nicholas.duke.edu/academics/undergraduate-programs/marine-science-conservation

Program Summary
The Bachelor of Arts and Bachelor of Science degrees are offered with a major in Marine Science and Conservation, or in an individually designed interdepartmental concentration approved by the Director of Undergraduate Studies in Marine Science and Conservation. Information may be obtained in the office of the Director of Undergraduate Studies. These degree programs are offered through Duke University's Marine Laboratory in Beaufort, North Carolina. Course offerings are available in Durham and Beaufort. Full programmatic details are available on our website.

The Marine Science and Conservation majors and minor are offered through the Division of Marine Science and Conservation in the Nicholas School of the Environment. The majority of the Division of Marine Science and Conservation faculty are resident at the Marine Laboratory in Beaufort, NC.

Additional courses in marine science are offered in Biology and Global Health in the Trinity College of Arts and Sciences; in the Divisions of Environmental Science and Policy and Earth and Climate Science in the Nicholas School of the Environment; and in the Pratt School of Engineering.

The Duke University Marine Lab provides students with a unique experiential opportunity to live and study in Beaufort for a full academic semester (fall or spring) or during two summer terms. The program emphasizes small class sizes, independent research projects, and integrated classroom, laboratory, and field experiences. Students have daily access to the surrounding marine environment and to modern scientific equipment including a shared-use molecular laboratory, and the Marine Robotics and Remote Sensing (MARSS) Lab.

Residential undergraduate courses are offered year-round (fall, spring, and summer sessions I and II) at the Duke Marine Lab. Fall and spring courses include travel courses that offer students opportunities for extended travel with Duke faculty to Mexico, Panama, Puerto Rico, Singapore, the US Virgin Islands, and Australia. Small class sizes and an island setting facilitate rewarding student-faculty interactions.

Go to Programs by Department to view all related programs.

For the BS Degree
This degree is designed for students wishing to pursue a career in ocean sciences including graduate studies.

Graduation with Distinction in Marine Science and Conservation
The Marine Science and Conservation degree offers a Graduation with Distinction option. Interested students with a 3.0 grade point average overall and a 3.2 grade point average in the Marine Science and Conservation major should apply by the beginning of their senior year. The application should include a written request to the Director of Undergraduate Studies describing the research project and identifying the faculty advisor who has agreed to supervise the research. At least one research independent study is required as part of the Graduation with Distinction process, although more than one is encouraged. The student will write a thesis describing their research. The thesis will be evaluated by the faculty advisor. The student will also present their results to fellow students and faculty before the end of their final semester.

Academic Requirements
Corequisites. Students must choose four of the following: Chemistry 101DL or 110DL, Chemistry 201L or 210DL (Chemistry 201L/210L is recommended but not required), Biology 201L or 202L or 203L, Physics 141L or 151L or 161L, Environment 155 or Econ 101 and 201 or PubPol 155 and 303. Students must also choose one of the following three options: Math 111L and 112L or Math 122L or Math 111L and Stats 101 (or equivalent).

Major Requirements. One gateway course: Future of the Oceans (MARSCI 201). Three core courses: Marine Biology and Ecology (MARSCI 202), Marine Social Science (MARSCI 203), and Integrative Oceanography (MARSCI 204). Five elective courses at the 200-level or above, at least three must be MARSCI "A" courses, up to two courses can be alternative electives from other Duke departments. Courses can be a mix of natural, physical and social sciences. A maximum of two independent study credits with MARSCI faculty can be used for electives. A maximum of one course from another university can be used as an elective with approval by the director of undergraduate studies. One capstone course: Marine Science and Conservation Capstone (MARSCI 350S). The capstone course may be substituted by a Graduation with Distinction thesis following the guidelines below.

Mathematics (AB)
Program Code: U-MATH-AB
Degree Designation: Bachelor of Arts
Department: Mathematics Department
Website: math.duke.edu/undergraduate/major

Program Summary

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The Department of Mathematics offers both the AB degree and the BS degree. Students who plan to attend graduate school in mathematics or the sciences should consider working toward the BS degree, which requires at least eight courses in mathematics numbered Mathematics 230 or above. The AB degree requires at least seven courses in mathematics numbered Mathematics 230 or above. At least half of the major/minor courses numbered above 212 should be taken at Duke. In particular, Mathematics 401 (or 501) and 431 (or 531) should be taken at Duke.

The director of undergraduate studies can be consulted for additional information and advice on course selection. The Handbook for Mathematics Majors and Minors, published by the department, can be used as a guide in developing a coherent program of study consistent with professional goals.

Go to Programs by Department to view all related programs.

**Departmental Graduation with Distinction**

The department offers a program for Graduation with Distinction in mathematics. See the Handbook for Mathematics Majors and Minors and also the section on honors in this bulletin.

**Academic Requirements**

**Prerequisites.** Mathematics 21 or 111L or 121 or an equivalent course; Mathematics 22 or 112L or 122 or 122L or an equivalent course; Mathematics 212 or 222 and Mathematics 221 or equivalent courses. (Many upper-level mathematics courses assume programming experience at the level of Computer Science 94. Students without computer experience are encouraged to take Computer Science 101.)

**Major Requirements.** Seven courses in mathematics numbered 230 or above including Mathematics 401 or 501 and Mathematics 431 or 531.

**Mathematics (BS)**

Program Code: U-MATH-BS
Degree Designation: Bachelor of Science
Department: Mathematics Department
Website: math.duke.edu/undergraduate/major

**Program Summary**

The Department of Mathematics offers both the AB degree and the BS degree. Students who plan to attend graduate school in mathematics or the sciences should consider working toward the BS degree, which requires at least eight courses in mathematics numbered Mathematics 230 or above. The AB degree requires at least seven courses in mathematics numbered Mathematics 230 or above. At least half of the major/minor courses numbered above 212 should be taken at Duke. In particular, Mathematics 401 (or 501) and 431 (or 531) should be taken at Duke.

The director of undergraduate studies can be consulted for additional information and advice on course selection. The Handbook for Mathematics Majors and Minors, published by the department, can be used as a guide in developing a coherent program of study consistent with professional goals.

Go to Programs by Department to view all related programs.

**Departmental Graduation with Distinction**

The department offers a program for Graduation with Distinction in mathematics. See the Handbook for Mathematics Majors and Minors and also the section on honors in this bulletin.

**Academic Requirements**

**Prerequisites.** Mathematics 21 or 111L or 121 or an equivalent course; Mathematics 22 or 112L or 122 or 122L or an equivalent course; Mathematics 212 or 222 and Mathematics 221 or equivalent courses. (Many upper-level mathematics courses assume programming experience at the level of Computer Science 94. Students without computer experience are encouraged to take Computer Science 101.)

**Major Requirements.** Eight courses in mathematics numbered 230 or above including Mathematics 401 or 501; Mathematics 431 or 531; and one of Mathematics 333, 342, 411, 412, 421, 502, 532, 541, 581. No more than three electives at the 200-level may count toward the major. The BS degree also requires a pair of science courses from the following list:

- Physics: (Physics 25 (AP), 141L, 151L, or 161D) and (Physics 26 (AP), 142L, 152L, or 162D)
- Statistical Science: Statistical Science 210 and (Statistical Science 360 or 325)
- Economics: Economics 205D and Economics 210D
- Electrical and Computer Engineering: ECE 110L and ECE 280L
Duke University

- Computer Science: Computer Science 330 and Computer Science 334
- Biology: (Biology 211L and Biology 212L) or (Biology 203L and Biology 215) or (Biology 201L or 203L and Biology 329L or 329D) or (Biology 202L or 203L and Biology 209) or (Biology 202L or 203L and Biology 460)
- Chemistry: (Chemistry 21 (AP), 101DL, or 110DL) and Chemistry 201DL

Mechanical Engineering (BSE)

Program Code: U-ME-BSE
Degree Designation: Bachelor of Science in Engineering
Department: Pratt School of Engineering, Mechanical Engineering & Materials Science Department
Website: mems.duke.edu/undergrad/degrees/planning

Program Summary

The mechanical engineering program is accredited by the Engineering Accreditation Commission of ABET.

Mechanical engineers are concerned with the optimum use of materials, energy, time, and individual effort to serve societal needs through the design of machines, structures, devices, and mechanical, thermal, and electro-dynamic systems, and through better understanding of dynamic processes involving these systems. They have a wide involvement in many industries including aerospace, automotive, energy and power generation, biomechanical and biomedical engineering, construction, electronics, manufacturing, national defense, and transportation systems. Within these industries, the engineer might specialize in the design, analysis, automation, operation, or marketing of systems or services. The individual's contribution may lie anywhere in the spectrum from highly theoretical to imminently practical, and often involves leadership as an engineering manager or organization executive.

Because mechanical engineers in industry and research engage in such a great variety of activities, their education must be broadly based. Our goal is to graduate mechanical engineers who embody excellence in a broad sense. We expect our graduates to move to industry positions or on to graduate study, or to carry the attributes of an engineering education into other disciplines. The mechanical engineering program of study must include mathematics and basic sciences, fundamentals and applications in several engineering sciences, and team-based experience in the process of design, where theory is applied in the context of real needs and limitations, and where judgment must be exercised. Our mechanical engineering graduates should be able to think critically when solving problems and managing tasks and communicate effectively in multidisciplinary professional environments. To be a responsible member of the engineering profession, each graduate must be aware of social, ethical, environmental, and economic factors and constraints on engineering activity, and must understand the importance of these matters in a global context. We aspire to have our graduates exhibit intellectual depth and creativity, uphold high ethical standards, and show a commitment to the betterment of society through service and professional work.

Our specific Program Educational Objectives are to prepare our graduates to:

- Identify and address significant needs and challenges in engineering and society, and effectively communicate solutions
- Advance in professional careers that may encompass a broad range of endeavors, both technical and non-technical
- Exhibit intellectual depth and creativity in employment, advanced education and research
- Uphold high ethical standards and show a commitment to the betterment of society through service and professional work

The curriculum capitalizes on the exceptional abilities of our highly select students to cultivate the learning, thinking, and problem-solving abilities needed to adapt, to develop, and to exercise responsible leadership through times of rapid change. The program provides firm preparation in the essential engineering topics while allowing wide flexibility for students to pursue their own specialized interests. The overall program requirements are summarized following the list of courses.

Go to Programs by Department to view all related programs.

Academic Requirements

The major requirements for mechanical engineering are included in the minimum total of 34.0 course credits listed under general requirements. The following specific courses or their approved alternatives must be included. Engineering courses: Engineering 121L (Engineering Innovation), Engineering 211L (Mechanics of Solids), Engineering 224L (Mechatronics), Engineering 244L (Dynamics); mechanical engineering courses: Mechanical Engineering 221L (Materials), Mechanical Engineering 321L (Analysis for Design), Mechanical Engineering 331L (Thermodynamics), Mechanical Engineering 336L (Fluid Mechanics), Mechanical Engineering 344L (Control Systems), Mechanical Engineering 421L (Mechanical Design), Mechanical Engineering 424L (Mechanical Systems Design), Mechanical Engineering 431L (Heat Transfer); two upper-level mechanical engineering electives to encourage depth in areas of particular interest. In addition, the program allows for four additional general electives, two of which must be upper level and can be used for further breadth or depth. Students are encouraged to consult with their advisors when selecting areas of interest and electives.
The MEMS Undergraduate Program Handbook (available on the departmental website at mems.duke.edu/undergrad/degrees/planning) provides examples of course sequences that incorporate all general requirements and departmental requirements comprising the accredited mechanical engineering major. In addition, a downloadable MEMS Curriculum Flow Chart and MEMS Annotated Check Sheet are also available on the website, and provide precise summaries of the curriculum requirements and prerequisite structure.

Usually students intending to study abroad should plan to travel in the fall semester of their junior year. Typically these students are expected to take two courses abroad that are approved as equivalent to required mechanical engineering courses and/or mechanical engineering electives. Students should consult their advisor, the Office of Global Education, and the mechanical engineering and material science director of undergraduate studies.

Options for a certificate in aerospace engineering, a certificate in energy and the environment, a minor in energy engineering, a minor or second major in electrical and computer engineering, or a second major in biomedical engineering are described in the MEMS Undergraduate Program Handbook (available at mems.duke.edu/undergrad/degrees/planning). Mechanical engineering and material science adheres strictly to the Pratt major and minor requirements described in the front portion of this bulletin. Students interested in second majors and minors with departments in Trinity College should seek information from the department of interest.

Medieval and Renaissance Studies (AB)
Program Code: U-MDVL-AB
Degree Designation: Bachelor of Arts
Department: Medieval and Renaissance Studies Program
Website: cmrs.trinity.duke.edu/undergraduate/major-and-minor

Program Summary
The Program in Medieval and Renaissance Studies is designed to provide the student with a well-rounded understanding of the historical, cultural, and social forces that shaped the medieval and Renaissance periods. The program is divided into four areas of study: fine arts (art and music); history; language and literature (English, French, German, Greek, Italian, Latin, and Spanish); and philosophy and religion.

The major requires ten courses, two requirements, and eight elective distribution courses taken in the following four areas of study: history; fine arts (art and music); language and literature (English, French, German, Greek, Italian, Latin, and Spanish); philosophy and religion.

Go to Programs by Department to view all related programs.

Graduation with Distinction
Majors are encouraged to pursue honors work in an area of special interest.

Procedure for Selection of Students. The student should apply to the director of undergraduate studies or program coordinator during the junior year, and must maintain a minimum GPA of 3.5 in the Medieval and Renaissance Studies major.

Expected Product. A written thesis based on at least one independent study (Medieval and Renaissance Studies 491, 493) with a Medieval and Renaissance Studies faculty member who directs the thesis.

Evaluation Procedure. Evaluation by a committee of three Medieval and Renaissance Studies faculty members appointed by the director of undergraduate studies, one of whom must be the thesis director.

Levels of Distinction. Recommendation from the review committee for distinction, high distinction, and highest distinction based on the quality of the thesis and on performance in the major program.

Special Courses. The Medieval and Renaissance Studies independent study courses (Medieval and Renaissance Studies 491, 493) may count toward the major. The thesis may be written in conjunction with independent study work in either the junior or senior year.

Academic Requirements

Students must either participate in the Medieval and Renaissance Focus Program or take one course designated as Medieval Cultures and one as Renaissance Cultures. In addition to these two courses, students must take the remaining eight elective courses in one of the following distributions: (a) 3-3-2-0, three courses in two of the four areas of study and two courses in a third area; or (b) 3-3-1-1, three courses in two of the four areas of study and one course in each of the other two areas.

Each program is tailored to the needs and interests of the student. After discussion with the associate director or director of undergraduate studies for Medieval and Renaissance Studies, the student submits a provisional program of study outlining special interdisciplinary interests. Normally the program is planned before the end of the sophomore year to allow time to acquire a working knowledge of languages pertinent to specific interests.

The Four Course Study Areas
The following courses are taken in distributions across four areas of study. Some of these courses are available in more than one study area. Cross-listed courses may count toward the major or minor in both Medieval and Renaissance Studies and in the cross-listed departments or programs.

**Area 1: Fine Arts**

**Area 2: History**

**Area 3: Language and Literature**

**Area 4: Philosophy and Religious Studies**

**Additional Topics and Seminar Courses**
The following topics courses are taught in various disciplines and vary from semester to semester. They may be taken in any of the above four study areas depending on the nature of their subjects. Students need to consult with a Medieval and Renaissance Studies advisor to determine how any one of these courses may be distributed: 89S, 190A, 190S, 291, 293, 390, 390A, 390S, 491, 493, 590, 590S.

**Music (AB)**
Program Code: U-MUS-AB
Degree Designation: Bachelor of Arts
Department: Music Department
Website: music.duke.edu/undergraduate-major

**Program Summary**
Music is among the most ancient of human pursuits and has long been viewed as a crucial part of education. As a discipline, it has its own logic and grammar in the understanding of which the mind is stretched and tested. Students at Duke encounter a variety of approaches to music that encompass the many ways that we create, perform, and comprehend it. Courses fall into three broad categories: theory and composition; literature, history, and ethnomusicology; and applied music (performance). Within these are included many kinds of instruction, such as lessons in performance and composition; theory, history, and literature lectures and seminars; electronic music classes; ensembles; practical laboratory work (such as ear-training or Listening Lab), coaching sessions in chamber music; and classes in improvisation. Students' musical activity can vary widely across the spectrum. Almost every student has some personal involvement with music, and the courses aim to further that involvement, whether it is a simple hobby or a compelling interest.

The requirements present a balanced selection of courses in music theory, history, literature, and performance, and are a means of preparing graduates for further professional training in the art of music. The music major can also be an attractive pursuit for the well-rounded undergraduate planning a career in another field. A sequence of three courses seeks to develop the student's fluency in music theory and another four semesters offer a survey of Western music history. Students pick three further courses from a range of musical styles, including jazz, world music, rock, and other electives. As they progress through the major curriculum, students develop their practical musicianship and performance skills through music theory labs, applied lessons, and participation in music department ensembles.

Go to Programs by Department to view all related programs.

**Applied Music**
Provided they qualify by audition, students may enroll in private instruction and participate in ensembles. Auditions must be arranged with the instructor prior to registration. For more audition details, visit music.duke.edu/lessons/auditions-schedule. Enrollment in an applied music course does not guarantee permission to enroll in the instructor's class or ensemble the following semester; in some cases, another audition may be required. Those students who wish to study privately but do not qualify for university-level instruction should consider group lessons or contact department faculty for recommendations for local instructors. All applied music courses may be repeated for credit, but no more than two semesters may be taken concurrently.

**Departmental Graduation with Distinction**
Music Majors who have earned a minimum 3.5 GPA in music courses may undertake work leading to departmental Graduation with Distinction. The candidate must apply to the Director of Undergraduate Studies by March 20 of the junior year. The project is normally a yearlong endeavor involving an independent study (Music 393), two semesters of advanced study in performance or composition, or an appropriate graduate seminar each
semester of the senior year. It must culminate in (a) a substantial paper (historical, analytical, or theoretical); (b) a full-length recital with a shorter paper or composition; or (c) a major composition with a shorter paper or half-length recital. The final project must be completed by March 31 of the senior year and be approved by a faculty committee. For more information, visit music.duke.edu/undergraduate/graduation-with-distinction.

Academic Requirements

The core curriculum comprises 3 courses in music theory, 4 in Western music history, and 3 electives (chosen from a wide selection, including jazz, world music, rock, and more.)

- Prerequisite. Music 261
- Requirements. Music 255S, 256S, 257, 258, 361, 461
- Applied Music. Two semesters of study in an instrument or voice
- Ensemble. Two semesters in a departmental ensemble (excluding Music 210-3)
- Three Additional Courses (two of which must be above the level of Music 213) to be chosen from: Music 120, 121, 129S, 130, 137, 140, 141, 143, 144, 146, 147, 161, 161-2, 1625, 163L, 1905, and Music courses numbered above 213

Major in Music with a Concentration in Performance

- Prerequisite. Music 261
- Requirements. Music 255S, 256S, 257, 258, 361, 461
- Applied Music. At least five semesters of individual applied instruction (Music 103-108, 203-208, 401) earning a minimum of four full credits. (including 2 semesters of Music 401, culminating in a full recital)
- Ensemble. Two semesters in a departmental ensemble (excluding Music 210-3)
- One Additional Music Elective, approved by the Director of Undergraduate Studies.

For a list of Music courses offered, please refer to music.duke.edu/courses.

Students majoring or minoring in Music MUST complete the core requirements for a letter grade. S/U grading will NOT count toward the completion of the Music major or minor.

Waiver of Music Minor Requirements

A request for waiver of any requirement for the music major or the music minor, together with supporting documentation where appropriate, should be submitted to the Director of Undergraduate Studies.

After reviewing the request, the DUS may decide that the student needs to take a departmental examination in the area before a final decision can be made. Waived courses earn no credit towards the 34-course graduation requirement, nor will grades for them appear on your transcript.

Neuroscience (AB)

Program Code: U-NEUR-AB
Degree Designation: Bachelor of Arts
Department: Neuroscience
Website: psychandneuro.duke.edu/undergraduate/neuroscience/requirements

Program Summary

Like the inner workings of the brain itself, neuroscience synthesizes discovery from diverse sources of knowledge. The undergraduate curriculum in neuroscience reflects this interdisciplinary perspective and challenges students to explore knowledge across levels of analysis: from the molecular and cellular level, through the level of neural circuits within which cells are organized and interconnected, and toward the level of behavior where the functions of neural circuits and systems, including human cognition, are manifested. A comprehensive understanding of neuroscience requires knowledge of each level and integrative learning across levels.

The principal strength of this program is that it provides rich opportunities for undergraduate students to study brain science with faculty from diverse disciplines who bring their complementary perspectives and expertise to the classroom and laboratory. Thus, the undergraduate curriculum in neuroscience is truly a joint, interdisciplinary major/minor that draws faculty and courses from several departments, chiefly the Department of Psychology and Neuroscience in the Trinity College of Arts & Sciences. Students may also elect to pursue faculty-mentored research and scholarship wherever brain science discovery happens at Duke. Indeed, the broad impact of neuroscience discovery now extends beyond the academic disciplines in the natural sciences to spaces where neuroscientists collaborate and regularly interact with experts in ethics, law, business, social sciences, philosophy, engineering, the fine arts and performing arts, and the humanities. Accordingly, our neuroscience curriculum reflects this broad interdisciplinary platform for discovery and learning, with a rich offering of coursework and experiences that reflect the exciting growth of neuroscience and its increasing relevance to human flourishing, the diverse challenges facing society, and the health and wellness of all life.
The Bachelor of Arts degree in neuroscience encourages such interdisciplinary exploration where neuroscience intersects and engages in disparate disciplinary areas of knowledge beyond the life and natural sciences.

Go to Programs by Department to view all related programs.

Graduation with Distinction in Neuroscience

Neuroscience majors with a GPA of 3.5 or above in neuroscience courses (not including corequisites), may apply for Graduation with Distinction in neuroscience. They must also maintain at least this level of performance throughout the remainder of their neuroscience studies at Duke. Candidates for distinction will conduct and complete an original research project carried out as two terms of research independent study in neuroscience. A substantial paper (thesis), usually based on empirical research and written in publication style, and a scientific poster are required. In addition, an oral defense of the thesis will be evaluated by a committee comprising three members. One member of the committee (either the research mentor or one of the two additional committee members) must be a neuroscience faculty member from an Arts and Sciences department or be a faculty member who teaches regularly in undergraduate neuroscience. One member of the committee can be a postdoctoral fellow or an advanced graduate student who has completed their preliminary exam. The director(s) of undergraduate studies and the associate director (if applicable) are available as committee members and should be consulted if there is a question about committee membership.

Evaluation of the student for distinction is based on the written thesis, an oral poster presentation and the oral examination before the distinction committee. The evaluation committee will then decide whether the overall performance of the candidate qualifies for Graduation with Distinction in neuroscience (only one distinction level is recognized). Finally, Graduation with Distinction in neuroscience research projects will be presented as scientific posters in April during an undergraduate research forum.

Interdepartmental Major (IDM) with Neuroscience

Like the inner workings of the brain itself, neuroscience synthesizes discovery from diverse sources of knowledge. The undergraduate curriculum in neuroscience reflects this interdisciplinary perspective and challenges students to explore knowledge across levels of analysis: from the molecular and cellular level, through the level of neural circuits within which cells are organized and interconnected, and toward the level of behavior where the functions of neural circuits and systems, including human cognition, are manifested. A comprehensive understanding of neuroscience requires knowledge of each level and integrative learning across levels.

Similarly, Neuroscience may be constructed as a component of an interdepartmental major (IDM). Currently, Neuroscience allows for student-initiated IDMs, which are individualized programs proposed by a student. When students craft their IDM proposal, all Trinity College guidelines must be followed (see appropriate Trinity College webpage).

Requirements for IDM with Neuroscience. Inclusive of all Trinity College requirements for a student-generated IDM, a proposal involving Neuroscience must include each of the following features. Neuroscience coursework should start with Neuroscience 101 or 102 (Biological Bases of Behavior). Next, the proposal should specify both of the core Neuroscience courses: Neuroscience 212 and Neuroscience 223. The proposal should then list the following courses, which may be taken concurrently with the core courses: one course in statistical science or computer science, one Neuroscience methods or laboratory course, and two Neuroscience electives, with one of these being an upper-division Neuroscience seminar (>350S or higher). While working through the Neuroscience courses listed above, a subset of co-requisite requirements for the Neuroscience major are necessary, with a total of three corecourse courses for the AB IDM plan and five corecourse courses for BS IDM plan. If both departments represented in the IDM proposal require corequisites, then any overlapping corequisite courses may be shared between departments at the discretion of the Directors of Undergraduate Studies. Otherwise, students should choose among the corequisites available for the appropriate AB or BS plans of the Neuroscience major. Before completing the Trinity College Interdepartmental Major Proposal form, students must discuss the development of their plan with the directors of undergraduate studies of both majors.

Neuroscience (AB) [U-NEUR-AB]

Academic Requirements

Academic Requirements

Ten courses in major (eight of ten courses must be 200-level or higher, one or more courses must be laboratory or methods; one or more courses must be intersection; one or more courses must be from 350-level or higher seminars). No more than two of the ten courses required for the major may be used to satisfy the requirements of another major, minor, or certificate.

Corequisites. Foundational coursework is required in the disciplines of biology, chemistry, mathematics, and physics that may be completed concurrently with courses in the major for completion of the AB degree. For these disciplines, the same guidelines detailed above for the BS degree apply to the AB degree, with the following exceptions: there is no corequisite in Computer Science for the AB major in neuroscience, and in
Duke University

Mathematics, the equivalent of just one term of calculus is required (Mathematics 21 or 111L or 121, or 105L and 106L). A score of 5 on the College Board Advanced Placement Test in Calculus AB or a 4 or better on the Calculus BC test fulfills this corequisite.

**Gateway Course.** Neuroscience 101/102 (Biological Basis of Behavior: Introduction and Survey) is the gateway to the major.

**Core Courses** (two courses required). There are two core courses in the major in neuroscience that reflect the different levels of inquiry described above: Neuroscience 223 (Cellular and Molecular Neurobiology), which focuses on cellular processes and synaptic mechanisms of neural signaling; and Neuroscience 212 (Introduction to Cognitive Neuroscience), which focuses on cognition and the brain basis of behavior. Neuroscience 223 and 212 may be taken in any order.

**Laboratory/Methods Courses** (one course required). Neuroscience majors are required to understand the methods of scientific inquiry for investigating the structure and function of the nervous system. Any one of the following courses will satisfy this curricular requirement: Neuroscience 103L (Computing and the Brain), Neuroscience 104L (Interdisciplinary Introduction to Computer Science), Neuroscience 301L (Bioelectricity), Neuroscience 376 (Contemporary Neuroscience Methods), Neuroscience 378L (Perception and the Brain), Neuroscience 379L (Comparative Neuroanatomy), Neuroscience 380L (Functional Anatomy of the Human Brain), Neuroscience 381L (Sensory Physiology and Behavior of Marine Animals), Neuroscience 382L (Functional Neuroimaging), Neuroscience 383L (Brain Waves and Cognition), Neuroscience 385L (Integrative Neuroscience Laboratory), Neuroscience 388LS (Experiments in Animal Models of Human Neurodegenerative Disease), Neuroscience 502 (Neural Signal Acquisition), Neuroscience 503 (Computational Neuroengineering), Neuroscience 511L (Intermediate Bioelectricity), or Neuroscience 515 (Neural Prosthetic Systems).

**Statistics** (one course required). Neuroscience majors are required to acquire competency in the elements of statistical design and practice that support the analysis and interpretation of neuroscientific data. Any one of the following courses will satisfy this curricular requirement: Statistical Science 101 (Data Analysis and Statistical Inference), Statistical Science 102 (Introductory Biostatistics), Statistical Science 104 (Data Analysis and Statistical Inference - Online), Statistical Science 110FS (Focus Program - Introductory Special Topics in Statistics), Statistical Science 111 (Probability and Statistical Inference), Statistical Science 130 (Probability and Statistics in Engineering), Statistical Science 230 (Probability), Psychology 204L and Psychology 205L (Quantitative Research Methods and Statistics for Psychological Science 1 & 2), or Biology 304 (Biological Data Analysis).

**Electives** (five courses required). Neuroscience majors are required to explore the breadth and depth of the field by fulfilling five-course requirements in neuroscience, with at least one elective being a seminar at the 350 level or higher. Furthermore, for the AB degree, students must complete an intersection course that explores the broader impact of neuroscience on society or the dialogue between the brain sciences and other disciplines, as listed on the program website (e.g., Neuroscience 267 (Neuroethics)). To complete the elective requirements for the AB degree, students may choose from a variety of seminars, small lectures, and laboratory offerings that are drawn from a dynamic list of more than fifty courses offered by multiple departments in Trinity College, as well as departments in the School of Medicine and the Pratt School of Engineering. Only two Independent Scholarship or Research Independent Study courses may count. See the Psychology and Neuroscience website for the current list of elective offerings.

No more than two of the ten courses required for the major may be used to satisfy the requirements of another major, minor, or certificate.

**Neuroscience (BS)**

Program Code: U-NEUR-BS
Degree Designation: Bachelor of Science
Department: Neuroscience
Website: psychandneuro.duke.edu/undergraduate/neuroscience/requirements

**Program Summary**

Like the inner workings of the brain itself, neuroscience synthesizes discovery from diverse sources of knowledge. The undergraduate curriculum in neuroscience reflects this interdisciplinary perspective and challenges students to explore knowledge across levels of analysis: from the molecular and cellular level, through the level of neural circuits within which cells are organized and interconnected, and toward the level of behavior where the functions of neural circuits and systems, including human cognition, are manifested. A comprehensive understanding of neuroscience requires knowledge of each level and integrating learning across levels.

The principal strength of this program is that it provides rich opportunities for undergraduate students to study brain science with faculty from diverse disciplines who bring their complementary perspectives and expertise to the classroom and laboratory. Thus, the undergraduate curriculum in neuroscience is truly a joint, interdisciplinary major/minor that draws faculty and courses from several departments, chiefly the Department of Psychology and Neuroscience in the Trinity College of Arts & Sciences. Students may also elect to pursue faculty-mentored research and scholarship wherever brain science discovery happens at Duke. Indeed, the broad impact of neuroscience discovery now extends beyond the academic disciplines in the natural sciences to spaces where neuroscientists collaborate and regularly interact with experts in ethics, law, business, social sciences, philosophy, engineering, the fine arts and performing arts, and the humanities. Accordingly, our neuroscience curriculum reflects this broad interdisciplinary platform for discovery and learning, with a rich offering of coursework and experiences that reflect the exciting growth of neuroscience and its increasing relevance to human flourishing, the diverse challenges facing society, and the health and wellness of all life.

Go to Programs by Department to view all related programs.
Graduation with Distinction in Neuroscience

Neuroscience majors with a GPA of 3.5 or above in neuroscience courses (not including corequisites), may apply for Graduation with Distinction in neuroscience. They must also maintain at least this level of performance throughout the remainder of their neuroscience studies at Duke. Candidates for distinction will conduct and complete an original research project carried out as two terms of research independent study in neuroscience. A substantial paper (thesis), usually based on empirical research and written in publication style, and a scientific poster are required. In addition, an oral defense of the thesis will be evaluated by a committee comprising three members. One member of the committee (either the research mentor or one of the two additional committee members) must be a neuroscience faculty member from an Arts and Sciences department or be a faculty member who teaches regularly in undergraduate neuroscience. One member of the committee can be a postdoctoral fellow or an advanced graduate student who has completed their preliminary exam. The director(s) of undergraduate studies and the associate director (if applicable) are available as committee members and should be consulted if there is a question about committee membership.

Either following completion of the two-terms of independent study or, more commonly, concurrent with completion of the second-term of independent study, students aspiring to earn Graduation with Distinction in neuroscience will take Neuroscience 499 (Current Research in Neuroscience). This course includes review of directed reading and research in both theoretical and experimental neuroscience, as well as discussion of the students’ independent study projects. Emphasis is placed on the development of the ability to critically evaluate empirical research and to construct mathematical or deductive/inductive models. The final project in this course includes preparation of a formal research proposal and a review of the role of ethics in science.

Evaluation of the student for distinction is based on the written thesis, an oral poster presentation and the oral examination before the distinction committee. The evaluation committee will then decide whether the overall performance of the candidate qualifies for Graduation with Distinction in neuroscience (only one distinction level is recognized). Finally, Graduation with Distinction in neuroscience research projects will be presented as scientific posters in April during an undergraduate research forum.

Interdepartmental Major (IDM) with Neuroscience

Like the inner workings of the brain itself, neuroscience synthesizes discovery from diverse sources of knowledge. The undergraduate curriculum in neuroscience reflects this interdisciplinary perspective and challenges students to explore knowledge across levels of analysis: from the molecular and cellular level, through the level of neural circuits within which cells are organized and interconnected, and toward the level of behavior where the functions of neural circuits and systems, including human cognition, are manifested. A comprehensive understanding of neuroscience requires knowledge of each level and integrative learning across levels.

Similarly, Neuroscience may be constructed as a component of an interdepartmental major (IDM). Currently, Neuroscience allows for student-originated IDMs, which are individualized programs proposed by a student. When students craft their IDM proposal, all Trinity College guidelines must be followed (see appropriate Trinity College webpage).

Requirements for IDM with Neuroscience. Inclusive of all Trinity College requirements for a student-generated IDM, a proposal involving Neuroscience must include each of the following features. Neuroscience coursework should start with Neuroscience 101 or 102 (Biological Bases of Behavior). Next, the proposal should specify both of the core Neuroscience courses: Neuroscience 212 and Neuroscience 223. The proposal should then list the following courses, which may be taken concurrently with the core courses: one course in statistical science or computer science, one Neuroscience methods or laboratory course, and two Neuroscience electives, with one of these being an upper-division Neuroscience seminar (>350S or higher). While working through the Neuroscience courses listed above, a subset of co-requisite requirements for the Neuroscience major are necessary, with a total of three corequisite courses for the AB IDM plan and five corequisite courses for BS IDM plan. If both departments represented in the IDM proposal require corequisites, then any overlapping corequisite courses may be shared between departments at the discretion of the Directors of Undergraduate Studies. Otherwise, students should choose among the corequisites available for the appropriate AB or BS plans of the Neuroscience major. Before completing the Trinity College Interdepartmental Major Proposal form, students must discuss the development of their plan with the directors of undergraduate studies of both majors.

Academic Requirements

Ten courses in major (eight of ten courses must be 200-level or higher; one or more must be laboratory and methods; one or more must be a seminar at the 350 level or higher). Only two Independent Scholarship or Research Independent Study courses may count as electives. BS majors may only count one intersection course. No more than two of the ten courses required for the major may be used to satisfy the requirements of another major, minor, or certificate.

Corequisites. Foundational coursework is required in the disciplines of biology, chemistry, computer science, mathematics, and physics that may be completed concurrently with courses in the major. In biology, one of the gateway courses, Biology 201L (Gateway to Biology: Molecular Biology) or Biology 202L (Gateway to Biology: Evolution & Genetics), or Biology 203L (Gateway to Biology: Molecular Biology, Genetics & Evolution) or its equivalent, will satisfy the corequisite. A score of 4 or 5 on the College Board Advance Placement Test in Biology can also be used to satisfy this corequisite. In chemistry, one general chemistry course-Chemistry 101DL (Core Concepts in Chemistry) or Chemistry 110DL (Honors Chemistry: Core Concepts in Context)-or equivalent, will satisfy the corequisite for the neuroscience major. A score of 4 or 5 on the College Board Advance
Philosophy (AB)

- take a BME-recommended Statistics course. Of the five additional neuroscience electives, no more than two electives may be cross-listed between disciplines (e.g., Neuroscience 289 (Music and the Brain); see website for complete list of intersection courses).
- Seminar, small-lecture, and laboratory elective offerings are drawn from a dynamic list of approximately fifty courses that are offered by multiple departments in Trinity College, as well as departments in the School of Medicine and the Pratt School of Engineering.

Laboratory/Methods Courses

(One course required). Neuroscience majors are required to understand the methods of scientific inquiry for investigating the structure and function of the nervous system. Any one of the following courses will satisfy this curricular requirement:

- Neuroscience 103L (Computing and the Brain), Neuroscience 104L (Interdisciplinary Introduction to Computer Science), Neuroscience 301L (Bioelectricity), Neuroscience 376 (Contemporary Neuroscience Methods), Neuroscience 378L (Perception and the Brain), Neuroscience 379L (Contemporary Neuroscience Methods), Neuroscience 378L (Perception and the Brain), Neuroscience 379L (Contemporary Neuroscience Methods).

Statistics

(One course required). Neuroscience majors are required to acquire competency in the elements of statistical design and practice that support the analysis and interpretation of neuroscientific data. Any one of the following courses will satisfy this curricular requirement: Statistical Science 101 (Data Analysis and Statistical Inference), Statistical Science 102 (Introductory Biostatistics), Statistical Science 104 (Data Analysis and Statistical Inference - Online), Statistical Science 110FS (Focus Program - Introductory Special Topics in Statistics), Statistical Science 111 (Probability and Statistical Inference), Statistical Science 130 (Probability and Statistics in Engineering), Statistical Science 230 (Probability, Psychology 204L and Psychology 205L (Quantitative Research Methods and Statistics for Psychological Science, 1 & 2), or Biology 304 (Biological Data Analysis).

Electives

(Five courses required). Neuroscience majors are required to explore the breadth and depth of the field by fulfilling five course requirements in neuroscience, with no more than one elective at the 100 level or below and at least one elective being a seminar course (350S or above). No more than one elective may count from a set of neuroscience courses that explore the intersection of the brain sciences and other disciplines (e.g., Neuroscience 289 (Music and the Brain); see website for complete list of intersection courses). Seminar, small-lecture, and laboratory elective offerings are drawn from a dynamic list of approximately fifty courses that are offered by multiple departments in Trinity College, as well as departments in the School of Medicine and the Pratt School of Engineering. Only two Independent Scholarship or Research Independent Study courses may count. See the Psychology and Neuroscience website for the current list of elective offerings.

No more than two of the 10 courses required for the Major (not including corequisites) may be used to satisfy another academic plan.

For the BS2 Degree for BME Majors in the Pratt School of Engineering

All of the requirements for the BS degree listed above must be met with the following changes: Biomedical Engineering 301L/Neuroscience 301L (Bioelectricity) is required and will satisfy the laboratory/methods requirement. BME Majors pursuing a Second Major (BS2) in Neuroscience should take a BME-recommended Statistics course. Of the five additional neuroscience electives, no more than two electives may be cross-listed between neuroscience and biomedical engineering.
**Philosophy (AB)**
Program Code: U-PHIL-AB  
Degree Designation: Bachelor of Arts  
Department: Philosophy Department  
Website: philosophy.duke.edu/undergraduate/major-minor

**Program Summary**
The undergraduate program in the Department of Philosophy acquaints students with the content and structure of philosophical theory in various areas. Classes encourage discussion so that students can engage actively in the philosophical examination of problems.

Course offerings fall into two general categories: the systematic and the historical. In a systematic treatment, the organization of a course reflects the problems presented by the subject matter of that course, as in logic, ethics, and metaphysics. Historical courses direct attention more to the order of development in the thought of a particular philosopher (Plato, Aristotle, Kant) or in a historical period. In all courses, reading the works of philosophers acquaints the students with important and influential contributions to the definition and solution of philosophical issues.

The problems raised in philosophy about various fields of the arts and sciences involve questions that these particular disciplines typically neglect. In consideration of such problems, students will acquire some understanding and perspective of the major areas of human intellectual endeavor. Philosophical comprehension is in this way an essential part of a complete education.

Philosophy provides a sound preparation for the demands of many professions. For example, the precision of argument and broad acquaintance with intellectual traditions emphasized in philosophy form an excellent basis for the study of law.

Go to Programs by Department to view all related programs.

**Departmental Graduation with Distinction**
The department offers work leading to Graduation with Distinction. See the section on honors in this bulletin.

**Academic Requirements**

**Academic Requirements**
Ten courses in philosophy, eight of which must be at the 200 level or above. The courses must include Philosophy 201 and 203; a course at the 200 level or above in value theory (for example, ethics, political philosophy); a course at the 200 level or above in metaphysics, epistemology, philosophy of mind, or philosophy of science; a course in logic (Philosophy 150, 250, or 350); and at least one seminar at the 500-600 level.

Only one course from among Philosophy 101, 103S, and 104S may be taken for credit. These courses are not open to juniors and seniors.

**Physics (AB)**
Program Code: U-PHYS-AB  
Degree Designation: Bachelor of Arts  
Department: Physics Department  
Website: physics.duke.edu/undergraduate/physics-major-minor/ba-degree

**Program Summary**
Physics offers its majors a chance to learn about many extraordinary insights that the human race has discovered in its effort to understand the universe. Examples include what are the properties of matter and light, what are the concise remarkable laws that govern the properties of matter and light, how does complex structure emerge from the interactions of simpler pieces, and how physical laws and insights can be used to solve a great diversity of basic and applied problems. The analytical and experimental insights that a physics or biophysics major gains are valuable to the study of all areas of science and engineering. The Department of Physics also offers courses for students with a casual interest in science who wish to learn about what physicists have discovered about nature and how physicists think about nature.

By the time they graduate, physics majors are well prepared for graduate work in physics, engineering, and in other science disciplines; for the study of medicine; and for employment in commercial and industrial organizations as well as in governmental laboratories. Students planning to major in physics should take Physics 161D, 162D, 164L, and 165L during their first year if possible; those with qualifying advanced placement credit can substitute Physics 163D for Physics 161D and 162D. Students should also arrange to complete the mathematics requirements by the end of their sophomore year.

An optional concentration in astrophysics allows students to immerse themselves in contemporary issues such as the nature of dark matter and dark energy, the evolution of the early universe, and the structures, from galaxies to stars, that characterize it today.

Go to Programs by Department to view all related programs.

**Departmental Graduation with Distinction**
The department offers students many possibilities to do physics research, and this research may lead to Graduation with Distinction. Consult with the director of undergraduate studies during or before the junior year and see the section on honors in this bulletin.

**Academic Requirements**

**Prerequisites.** Physics 161D, 162D, 164L, and 165L or equivalents; Mathematics 122/122L, 212, and 221

**Major Requirements.** Physics 264L and 363 and two courses out of 361, 362D, 464D, 513, or one 300-level or higher physics course approved by the director of undergraduate studies. One laboratory-related course which can be Physics 271L, 417S, or 493 with a substantial experimental component. One other physics elective numbered above 200.

**Concentration in Astrophysics**

In addition to the physics major requirements, Physics 305 and three additional astrophysics courses are required. Two or more of these must be selected from among Physics 555, 556, or an independent study (Physics 491, 493, or 493) approved by the director of undergraduate studies as an astrophysics course. One of Physics 346, 505, 522, 622, 655, or Mathematics 575 may be chosen. Courses for the astrophysics concentration may also satisfy the elective requirements for the major.

**Physics (BS)**

Program Code: U-PHYS-BS
Degree Designation: Bachelor of Science
Department: Physics Department
Website: physics.duke.edu/undergraduate/physics-major-minor/bs-degree

**Program Summary**

Physics offers its majors a chance to learn about many extraordinary insights that the human race has discovered in its effort to understand the universe. Examples include what are the properties of matter and light, what are the concise remarkable laws that govern the properties of matter and light, how does complex structure emerge from the interactions of simpler pieces, and how physical laws and insights can be used to solve a great diversity of basic and applied problems. The analytical and experimental insights that a physics or biophysics major gains are valuable to the study of all areas of science and engineering. The Department of Physics also offers courses for students with a casual interest in science who wish to learn about what physicists have discovered about nature and how physicists think about nature.

By the time they graduate, physics majors are well prepared for graduate work in physics, engineering, and in other science disciplines; for the study of medicine; and for employment in commercial and industrial organizations as well as in governmental laboratories. Students planning to major in physics should take Physics 161D, 162D, 164L, and 165L during their first year if possible; those with qualifying advanced placement credit can substitute Physics 163D for Physics 161D and 162D. Students should also arrange to complete the mathematics requirements by the end of their sophomore year.

An optional concentration in astrophysics allows students to immerse themselves in contemporary issues such as the nature of dark matter and dark energy, the evolution of the early universe, and the structures, from galaxies to stars, that characterize it today.

Go to Programs by Department to view all related programs.

**Departmental Graduation with Distinction**

The department offers students many possibilities to do physics research, and this research may lead to Graduation with Distinction. Consult with the director of undergraduate studies during or before the junior year and see the section on honors in this bulletin.

**Academic Requirements**

**Prerequisites.** Physics 161D, 162D, 164L, and 165L or equivalents; Mathematics 122/122L, 212, 221, and 356

**Major Requirements.** Physics 264L, 361, 362D, 363, 417S, 464D, one physics elective numbered 200 or higher, and one physics elective numbered 300 or higher.

**Concentration in Astrophysics**

In addition to the physics major requirements, Physics 305 and three additional astrophysics courses are required. Two or more of these must be selected from among Physics 555, 556, or an independent study (Physics 491, 493, or 493) approved by the director of undergraduate studies as an astrophysics course. One of Physics 346, 505, 522, 622, 655, or Mathematics 575 may be chosen. Courses for the astrophysics concentration may also satisfy the elective requirements for the major.
**Political Science (AB)**

Program Code: U-POLI-AB  
Degree Designation: Bachelor of Arts  
Department: Political Science Department  
Website: polisci.duke.edu/undergraduate/offerings/requirements

**Program Summary**
Political science aims at a systematic and rigorous understanding of politics, both in explaining political phenomena and in exploring their ethical and normative dimensions. The discipline covers a broad range of subjects, from authoritarian to democratic politics, from local governance to international relations, from formal rules and institutions to the psychology and behavior of individuals who participate in political processes. Political scientists make use of data ranging from ancient texts, to satellite images, to surveys, to millions of Facebook posts, and analyze them with a diverse set of methods and tools, including qualitative and quantitative approaches.

Our undergraduate curriculum is designed to give you a sophisticated understanding of political processes, critical and independent thinking, writing and communication skills, and an analytical skill set. Our majors are highly successful, and pursue careers in diverse fields, including non-governmental and public interest organizations, think tanks, consulting, journalism, communications, local, state, and federal government, polling firms, finance, and business management. Many also go on to pursue graduate study in law, political science, public administration, or business administration.

**Interdepartmental Major.** The Department does not normally accept applications for Interdepartmental Majors. Go to [Programs by Department](#) to view all related programs.

**Departmental Graduation with Distinction**
The department offers students majoring in political science an opportunity to achieve Graduation with Distinction in political science by the submission of an original research paper.

To be eligible for honors, students must have:

- taken four courses in the subfield of your proposed research;  
- completed Statistical Science 198/199 or higher (Statistical Science 210 or the equivalent is recommended), the political theory requirement (Political Science 175), and a minimum of six courses in political science;  
- the statistics requirement may be waived if students are pursuing honors in the area of political theory; or  
- have a minimum undergraduate GPA of 3.3, and a major GPA of 3.5; this GPA must be maintained until graduation.

The goal of honors in political science is an original research paper of journal length (approximately 50 pages), which will be submitted to the Honors Thesis Committee by December 15 and March 1 of each year. The key criterion is that the paper must feature original research, and be conducted at a level that satisfies professional standards.

The Honors Thesis Committee will, in most cases, either accept or reject the paper for honors and the paper will be read by a minimum of two members of the committee. A revision may be requested by the committee (to be conducted by the student in the spring semester and due by April 1). If at all possible, students should start working on their honors research the spring of the junior year and over that summer.

Students may begin their honors research by producing a quality, journal-level paper in:

- a 400-, 500-, or 600-level political science seminar; or
- an independent study.

Often, the student will need to polish the paper during or after these options before submitting it to the Honors Thesis Committee. It is strongly suggested that the student submit a draft of the thesis before March 1.

**Academic Requirements**

**Academic Requirements**

**Electives.** At least two additional Political Science courses from outside the student’s chosen concentration (except for DSDT concentrators, in “D”, where no electives are required), for a minimum of 10 courses to constitute the major.

**Gateway Courses and Concentrations.** POLSCI175 and STA 198/199. Concentrations. Choose a concentration, and satisfy the following course requirements

- A. American politics: Take POLSCI114, plus four courses with an “A” designation.  
- B. International relations: Take POLSCI160, plus four courses with a “B” designation.  
- C. Political theory and law: Take either POLSCI 211 or POLSCI 384, plus four courses with a “C” designation.  
- D. Data science and decision theory: Take all of the following:
DECSCI 101/POLSCI 128
- Three co-requisite courses (MATH 112, COMPSCI 101L or COMPSCI 201, and NEUROSCI 101)
- One game theory or decision theory course (selected from this list: POLSCI 217, ECON 201, or POLSCI 631L)

Also, take one data analysis course (selected from this list: ECON 204, POLSCI 189FS, STA 210, or COMPSCI 216), and take two electives from the following list (COMPSCI 270, COMPSCI 290, DECSCI 213, ECON 462, NEUROSCI 257, NEUROSCI 258, POLSCI 240, POLSCI 333, or POLSCI 342).

Political economy: Take POLSCI 145, plus either ECON 101 or ECON 201. Take four additional courses with an "E" designation.

ALL CONCENTRATIONS: Take at least one additional "capstone" course listed at the 400 level or higher, with the designation (A, B, C, D, E) relevant for that concentration.

FOR ALL CONCENTRATIONS EXCEPT D, take two additional elective courses outside the primary concentration.

Course levels are:
- Political Science 100-199: Introductory courses in subfields and foundation courses. Students must take any one (1) subfield introduction listed at the 100 level before taking 300 or higher listings. They may, however, take 200-level courses without any prerequisite.
- Political Science 200-299: Nonintroductory courses with no prerequisite.
- Political Science 300-399: Intermediate courses that require any one subfield introduction course taken at the 100 level.
- Political Science 400-499: Advanced undergraduate and capstone courses that require an intermediate subfield course taken at the 300 level in addition to meeting all of the general requirements of the major.
- Political Science 500-699: Advanced undergraduate and introductory graduate courses.

Of the political science courses required for each subfield, at least six must be Duke courses taught by a member of the Duke instructional staff. However, this requirement may be reduced to five courses if the student: 1) is engaged in political science courses in a year-long study abroad through either a Duke-administered or Duke-approved program, or 2) transferred to Duke after completing two undergraduate years at another institution.

In satisfying the requirements of the major, students in the Robertson Scholars Program may count, exclusive of transfer courses, as many as two University of North Carolina at Chapel Hill courses offered at a level below the 400 level at Duke.

Advanced Placement Credit. Advanced placement credits in political science (score of 4 or 5). These course credits are designated as Political Science 20 (American Government and Politics) and Political Science 21 (Comparative Government and Politics). Such credits are applied toward the 34.0 course credits needed for Trinity graduation. Advanced placement course credits (20, 21) do not satisfy course requirements for the political science major.

Suggested Work in Related Disciplines. Selected courses in such disciplines as anthropology, economics, history, philosophy, psychology, public policy, religion, sociology, and statistics are desirable.

Courses with Primary Listing in Political Science (POLSCI)
Courses are designated as follows, in terms of counting toward concentrations:
- G: General (elective only)
- A: American politics
- B: International relations
- C: Political theory and law
- D: Decision theory and data science
- E: Political economy

102. The Science of Politics. (G)
110. Comparative Approaches to Global Issues. (E)
114. From Voting to Protests: Intro to Political Attitudes, Groups and Behaviors. (A)
116D. The American Political System. (A)
120D. The Challenges of Living an Ethical Life. (C)
125D. Introduction to Global Development: Politics, Policy and Practice. (E)
145D. Introduction to Political Economy. (E)
146. Politics and Economics. (E)
160D. Introduction to Security, Peace and Conflict. (B)
175D. Introduction to Political Philosophy. (C)
201. Public Opinion. (A)
203. Women and the Political Process. (A)
205. Introduction to Racial and Ethnic Minorities in American Politics. (A)
206. American Values, Institutions, and Culture. (A)
208. How to Think in an Age of Political Polarization. (A, C)
210. Conservatism. (A, C)
211D. Democracy: Ancient and Modern. (C)
212. American Presidency. (A)
217. Discovering Game Theory: Social Complexity and Strategic Interdependence. (D, E)
219. Comparative Government and Politics: Selected Countries. (B, E)
221. South Africa: Past and Present. (B)
222. The Arab Youths Revolution. (B)
224. Inequality and Politics. (E)
227. Ethnic Conflict. (B)
228. Politics of Authoritarian Regimes. (B)
229. Institutions and Self Governance. (B, E)
230. Networks in a Globalizing World. (B)
231D. Introduction to Tools of Political Risk Analysis. (B, E)
232. Introduction to Terrorism. (B)
233. Nuclear Weapons: US Foreign Policy and the Challenges of Global Proliferation. (B)
235S. Comparative Urban Politics and Policymaking. (A)
238. Racial Attitudes, Racial Prejudice, and Racial Politics. (A)
239S. Political Communication in a Changing Media Environment. (A)
240D. Political Psychology. (A)
242D. Campaigns and Elections. (A)
245. American Constitutional Development / Interpretation I: Constitutional Structure. (A)
246. American Constitutional Development / Interpretation II: Individual Rights. (A)
250. The Politics of International Economic Relations: America in the World Economy. (B)
255. America in World Economy: Law, Politics, & Economics of Antitrust, 1890-2015. (A, E)
257. Latin American Wars of Independence. (B)
264S. Democratic Erosion. (A)
265S. Introduction to American Political Thought. (C)
268. Politics and Literature. (C)
270. Ambition and Politics. (C)
272. Human Rights in Theory and Practice. (B, C)
273. The Middle East Through Film. (B)
274S. Race and Society: South Africa and the US, 1890-present. (A, B)
275S. Left, Right, and Center: Competing Political Ideals. (C)
277D. The Ethics of War: Self-Defense, Humanitarian Intervention, Terrorism and Law. (B, C)
278. Roman Political Thought and Its Modern Legacy. (C)
301S. Illiberal Nondemocracies: Focus on Eastern Europe and Asia. (B, E)
305S. Black Politics. (A)
308. Islam and the State: Political Economy of Governance in the Middle East. (E)
316. American Political Parties. (A)
317. Global Corruption. (B)
318. Congress and the President. (A)
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319S. US Comparative State Politics. (A)
321. International Law and International Institutions. (B)
322. Introduction to Middle East Politics. (B)
324S. Chinese Politics. (B)
326S. Reason and Passion in Politics. (A)
329S. Politics in Violence. (B, E)
330. Quantitative Political Inquiry and Evaluation. (G)
331D. Prisoner’s Dilemma and Distributive Justice. (E)
332. Games and Politics. (D, E)
333S. Democracy and Social Choice. (D, E)
335S. Economic, Political, and Social Institutions. (E)
338. Political Economy of Southeast Asia. (B, E)
342. Strategy and Politics. (D, E)
345. Experimental Political Science. (A, E)
346. Business, Politics, and Economic Growth. (B, E)
349. Political Economy of Latin America. (B, E)
350. International Political Economy. (B, E)
351. Economic History and Modernization in the Middle East. (C, E)
352S. U.S. Policy in the Middle East. (B)
353. Globalization of Democracy. (B)
354. Politics in the Developing World. (B, E)
361. Political and Criminal Armed Groups. (B)
362. International Security. (B)
363. International Human Rights in World Politics. (B, C)
364. Political Violence, Repression, and Organized Crime. (B)
365D. Foreign Policy of the United States. (A, B)
372S. Sex, Politics and Feminist Philosophy. (C)
373. Law and Politics. (A, C)
402S. Origins of WWI and WWII in Europe. (B, Capstone)
406S. South African Life Histories. (B)
421. Constitutionalism and Crisis: From Catalina’s Conspiracy to Covid. (C, E, Capstone)
427S. World in Your Hand. (B, Capstone)
428S. International Conflict Resolution. (B, Capstone)
449. Politics, Philosophy, and Economics Capstone. (E, Capstone)
468S. Wealth and Poverty of Nations: Prosperity and Distribution in the Long Run. (B, E, Capstone)
497S. American Foreign Policy and the Presidential Campaign. (A, B, Capstone)
503S. Crisis, Choice, and Change in Advanced Democratic States. (B, Capstone)
504S. Comparative Ethnic Politics. (B, Capstone)
505S. Race in Comparative Perspective. (A, B, Capstone)
506. Theorists of Modern Politics: Marx, Durkheim, Weber. (C)
507S. Religion and Comparative Politics. (B, E)
508S. Public Opinion and Behavior. (A)
509S. Political Participation: Comparative Perspectives. (A, B)
515S. Post War Europe, 1945-1968: Politics, Society, and Culture. (B)
516S. Rule of Law. (C)
517S. Democratic Institutions. (B, C)
519. The American Party System. (A)
Psychology (AB)
Program Code: U-PSY-AB
Degree Designation: Bachelor of Arts
Department: Psychology Department
Website: psychandneuro.duke.edu/undergraduate/psychology/requirements

Program Summary
The study of behavior and its determinants lies at the heart of our understanding of numerous systems ranging from the biological to the economic and social. Psychology majors and minors apply their understanding of human behavior to varied professional fields including mental and physical health care, research, education, policy, law, finance, consulting, marketing, and business management. Understanding of psychological concepts is also helpful for fields relating to engineering and data analysis.

Go to Programs by Department to view all related programs.

Independent Study
A program of individual non-research-directed study may be carried out by arrangement with a faculty supervisor and enrollment in Psychology 391, 392, 491, or 492. This study should result in a significant product that promotes the understanding or application of psychological science. At most only two Independent Study courses (whether research- or non-research directed) may count toward the major.

Research Independent Study
A program of individualized readings or an empirical research project may be carried out by arrangement with a faculty supervisor and enrollment in Psychology 393, 394, 493, or 494. Psychology 203 serves as an excellent introduction to Research Independent Study. A written plan for the program must be approved by the Research Mentor and the Director of Undergraduate Studies. At most only two Independent Study courses (whether research- or non-research-directed) may count toward the major.

Graduation with Distinction Program
The Graduation with Distinction program is based on a special project that requires original empirical research, usually developed through completion of Research Independent Study courses. With approval from the Director of Undergraduate Studies, a critical analysis of a problem in the field based on an extensive literature review may be substituted for an empirical research study. The project is to be summarized in a carefully written thesis to be the subject of an oral examination. The opportunity to write a thesis and qualify for Graduation with Distinction is open only to those majoring in Psychology. Applicants must have an overall GPA of 3.0 and a GPA in Psychology of 3.5, without rounding, by graduation. Neither Independent Study classes in psychology, nor Research Independent study classes in psychology, nor the Distinction Thesis Workshop, are included when calculating the GPA.
An application to the Graduation with Distinction program should be submitted by the last day of regular class registration for the term in which the thesis will be defended (for a fall defense, Fall registration in April; for a spring defense, Spring registration in November). The application must include names of the three people who will serve on the student’s committee. The committee chair generally holds a Primary or Joint Graduate Training Faculty appointment in Psychology & Neuroscience. (Other faculty in P&N may be able to serve as chairs with special approval from the Director of Undergraduate Studies or with another faculty member serving as the chair of record.) The second committee member may hold a Primary, Joint, or Secondary appointment in P&N. The final committee member may be another faculty member in P&N, a post-doc or graduate student in P&N, a faculty member from another department at Duke, or a faculty member from another institution. (A current list of faculty with Primary, Joint, and Secondary appointments may be found under the People tab at psychandneuro.duke.edu.)

Students interested in applying for Graduation with Distinction will register for two research independent study courses (Psychology 393, 394, 493, 494). (Usually these courses will be taken consecutively, but this is not required.) Students must register for the first Research Independent Study before submitting their application for Graduation with Distinction. Ordinarily, the same faculty member will serve as a given student’s mentor both semesters. Candidates for Graduation with Distinction must also enroll in Psychology 496, the Distinction Thesis Workshop, a full-credit course focusing on the conduct of psychological research, ethics in research, professional development, and especially science writing, in order to prepare a quality thesis. Psychology 496 is only offered in the spring. Near the end of the final semester, candidates provide an electronic version of the thesis to their committee members and convene the committee for an oral examination. At the end of the oral exam, the committee decides whether the overall performance qualifies for Graduation with Distinction. An exceptional thesis combined with outstanding performance in Psychology may qualify a student for nomination for the Zener Award. Graduation with Distinction research projects are presented at the spring undergraduate research poster fair, Visible Thinking.

Academic Requirements

Eleven courses are required for the AB in Psychology.

For breadth, the student is required to take Psychology 101 (Introductory Psychology) and at least three survey courses that cover major areas of the field. One of these survey courses must be Psychology 106/107 (Biological Bases of Behavior) or Psychology 102 (Cognitive Psychology), and one must be Psychology 105 (Clinical Psychology and Mental Health), Psychology 103 (Developmental Psychology), or Psychology 104 (Social Psychology). Students seeking additional breadth may count up to four of these survey courses toward the major. Psychology 101 is strongly recommended as the first course taken in the major as it provides a foundation for all other courses; the survey courses should be taken next as they provide a foundation for upper-level courses in each area.

For instruction in small groups, the student is to take at least one seminar. It is recommended that the seminar be taken in an area where a survey course was completed.

For one additional upper-level course, the student is to take a course at the 300 level or above. It is recommended that this course be taken in an area where a survey course was completed. Please note that neither Independent Study courses (Psychology 391, 392, 491, and 492) nor Research Independent Study courses (Psychology 393, 394, 493, and 494) may be used to satisfy this requirement. In addition, the Distinction Thesis Workshop (Psychology 496) may not be used to satisfy this requirement.

In order to satisfy the requirements for coursework in quantitative techniques and research methods in psychology, each student will take Psychology 204L (Quantitative Research Methods and Statistics for Psychological Science 1) and Psychology 205L (Quantitative Research Methods and Statistics for Psychological Science 2). Other courses may be substituted only with advance permission of the Director of Undergraduate Studies. Neither Psychology 204L nor Psychology 205L fulfills prerequisites for advanced coursework in the Department of Statistical Science; please review the Statistical Science website for the prerequisites for courses in that department. Finally, students may not use introductory-level statistics classes taken in Statistical Science to satisfy elective requirements for the Psychology AB. Psychology 101, Psychology 204L (Quantitative Research Methods and Statistics for Psychological Science 1), and Psychology 205L (Quantitative Research Methods and Statistics for Psychological Science 2) all should be completed prior to the end of the junior year, as they provide the foundation for all subsequent coursework, and will allow students to benefit most from their upper-level courses.

Of the eleven courses required for the major, at least nine must be taken at Duke; others, if approved, may count toward the 34.0 course credits needed for graduation but will not count toward the major. Information is also available at psychandneuro.duke.edu/undergraduate/psychology/requirements.

Psychology (BS)

Program Code: U-PSY-BS
Degree Designation: Bachelor of Science
Department: Psychology Department
Program Summary
The study of behavior and its determinants lies at the heart of our understanding of numerous systems ranging from the biological to the economic and social. Psychology majors and minors apply their understanding of human behavior to varied professional fields including mental and physical health care, research, education, policy, law, finance, consulting, marketing, and business management. Understanding of psychological concepts is also helpful for fields relating to engineering and data analysis.

Go to Programs by Department to view all related programs.

Independent Study
A program of individual non-research-directed study may be carried out by arrangement with a faculty supervisor and enrollment in Psychology 391, 392, 491, or 492. This study should result in a significant product that promotes understanding or application of psychological science. At most only two Independent Study courses (whether research- or non-research directed) may count toward the major.

Research Independent Study
A program of individualized readings or an empirical research project may be carried out by arrangement with a faculty supervisor and enrollment in Psychology 393, 394, 493, or 494. Psychology 203 serves as an excellent introduction to Research Independent Study. A written plan for the program must be approved by the Research Mentor and the Director of Undergraduate Studies. At most only two Independent Study courses (whether research- or non-research-directed) may count toward the major.

Graduation with Distinction Program
The Graduation with Distinction program is based on a special project that requires original empirical research, usually developed through completion of Research Independent Study courses. With approval from the Director of Undergraduate Studies, a critical analysis of a problem in the field based on an extensive literature review may be substituted for an empirical research study. The project is to be summarized in a carefully written thesis to be the subject of an oral examination. The opportunity to write a thesis and qualify for Graduation with Distinction is open only to those majoring in Psychology. Applicants must have an overall GPA of 3.0 and a GPA in Psychology of 3.5, without rounding, by graduation. Neither Independent Study classes in psychology, nor Research Independent Study classes in psychology, nor the Distinction Thesis Workshop, are included when calculating the GPA.

An application to the Graduation with Distinction program should be submitted by the last day of regular class registration for the term in which the thesis will be defended (for a fall defense, Fall registration in April; for a spring defense, Spring registration in November). The application must include names of the three people who will serve on the student’s committee. The committee chair generally holds a Primary or Joint Graduate Training Faculty appointment in Psychology & Neuroscience. (Other faculty in P&N may be able to serve as chairs with special approval from the Director of Undergraduate Studies or with another faculty member serving as the chair of record.) The second committee member may hold a Primary, Joint, or Secondary appointment in P&N. The final committee member may be another faculty member in P&N, a post-doc or graduate student in P&N, a faculty member from another department at Duke, or a faculty member from another institution. (A current list of faculty with Primary, Joint, and Secondary appointments may be found under the People tab at psychandneuro.duke.edu.) Students interested in applying for Graduation with Distinction will register for two Research Independent Study courses (Psychology 393, 394, 493, 494). (Usually these courses will be taken consecutively, but this is not required.) Students must register for the first Research Independent study before submitting their application for Graduation with Distinction. Ordinarily, the same faculty member will serve as a given student’s mentor both semesters. Candidates for Graduation with Distinction must also enroll in Psychology 496, the Distinction Thesis Workshop, a full-credit course focusing on the conduct of psychological research, ethics in research, professional development, and especially science writing, in order to prepare a quality thesis. Psychology 496 is only offered in the spring. Near the end of the final semester, candidates provide electronic versions of the thesis to their committee members and convene the committee for an oral examination. At the end of the oral exam, the committee decides whether the overall performance qualifies for Graduation with Distinction. An exceptional thesis combined with outstanding performance in psychology may qualify a student for nomination for the Zener Award. Graduation with Distinction research projects are displayed at the spring undergraduate research poster fair, Visible Thinking.

Academic Requirements

Academic Requirements
The BS degree requires completion of all requirements for the AB degree plus additional courses in the Quantitative Studies (QS) and/or Natural Sciences (NS).

The major is devised to provide breadth, a small group course in psychology, one additional upper-level course, and familiarity with the quantitative techniques and research methods used in the field. Neither AP nor IB credit will allow students to place out of Psychology 101 (Introductory Psychology).
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For breadth, the student is required to take Psychology 101 (Introductory Psychology) and at least three survey courses that cover major areas of the field. One of these survey courses must be Psychology 106/107 (Biological Bases of Behavior) or Psychology 102 (Cognitive Psychology), and one must be Psychology 105 (Clinical Psychology and Mental Health), Psychology 103 (Developmental Psychology), or Psychology 104 (Social Psychology). Students seeking additional breadth may count up to four of these survey courses toward the major. Psychology 101 is strongly recommended as the first course taken in the major as it provides a foundation for all other courses; the survey courses should be taken next as they provide a foundation for upper-level courses in each area.

For instruction in small groups, the student is to take at least one seminar. It is recommended that the seminar be taken in an area where a survey course was completed.

For one additional upper-level course, the student is to take a course at the 300 level or above. It is recommended that this course be taken in an area where a survey course was completed. Please note that neither Independent study courses (Psychology 391, 392, 491, and 492) nor Research Independent Study courses (Psychology 393, 394, 493, and 494) may be used to satisfy this requirement. In addition, the Distinction Thesis Workshop (Psychology 496) may not be used to satisfy this requirement.

In order to satisfy the requirements for coursework in quantitative techniques and research methods in psychology, each student will take Psychology 204L (Quantitative Research Methods and Statistics for Psychological Science 1) and Psychology 205L (Quantitative Research Methods and Statistics for Psychological Science 2). Other courses may be substituted only with advance permission of the Director of Undergraduate Studies. Neither Psychology 204L nor Psychology 205L fulfills prerequisites for advanced coursework in the Department of Statistical Science; please review the Statistical Science website for the prerequisites for courses in that department. Finally, students may not use introductory-level statistics classes taken in Statistical Science to satisfy elective requirements. Psychology 101, Psychology 204L (Quantitative Research Methods and Statistics for Psychological Science 1), and Psychology 205L (Quantitative Research Methods and Statistics for Psychological Science 2) all should be completed prior to the end of the junior year, as they provide the foundation for all subsequent coursework, and will allow students to benefit most from their upper-level courses.

To satisfy the Quantitative Studies/Natural Sciences elective requirement, students must take five elective courses, selected from an approved list, that meet the following criteria: (a) classes come from at least two departments, and (b) at least three of the five are at or above the 200 level.

Note: Psychology courses not used to fulfill AB requirements (including up to two semesters of Research Independent Study) may be counted toward the five, but courses cross-listed with Psychology and another department do not count as a second department. Additional research methods courses may be counted toward the elective requirement only with prior approval of the Director of Undergraduate Studies. A list of currently approved classes for the Quantitative Studies/Natural Sciences elective requirement may be found in the undergraduate section of the Psychology & Neuroscience website.

At least nine of the courses required for the major must be taken at Duke; others, if approved, may count toward the 34.0 course credits needed for graduation but will not count toward the major. Information is also available at psychandneuro.duke.edu/undergraduate/psychology/requirements.

Public Policy (AB)

Program Code: U-PPS-AB
Degree Designation: Bachelor of Arts
Department: School of Public Policy
Website: sanford.duke.edu/academics/undergraduate-program/programs/ba-public-policy

Program Summary

The Sanford School of Public Policy educates the next generation of policy professionals in a time when the skill set needed to succeed is changing and government needs professionals more than ever. Our mission is to improve lives and communities by researching the most pressing public policy issues and preparing students for lives of leadership, civic engagement, and public service. Information about the bachelor of arts in public policy is available at sanford.duke.edu/academics/undergraduate-program.

The Major

The public policy major offers many exciting opportunities. We teach courses in a broad array of areas, including education and social policy, health and population, environment and energy, international development, global governance and security, civil society, and leadership and ethics.

Rigorous coursework provides students with skills in political and economic analysis, knowledge about how to lead people and organizations, and a strong ethical foundation for decision-making. As a liberal arts major, public policy majors will enhance skills in political and economic analysis, articulate more concisely and clearly through critical analyzations, consider the implications of actions to make strong and ethical decisions, and participate in a policy-oriented internship. In addition, students are urged to participate actively in programs sponsored by the Sanford School of Public Policy to supplement the material covered in class.

Go to Programs by Department to view all related programs.

Departmental Graduation with Distinction
For graduation with departmental distinction, students are required to complete an honors seminar or independent study project and produce an honors research project. To be awarded Distinction in Public Policy, a student must receive no less than an A- on the research paper as determined by the honors program director and have at least a 3.40 average in the following subset of public policy courses: Public Policy 155D, 301, 302D, and 303D.

If a student is judged to have done a clearly superior research project, as evidenced by a grade of A or A+ as determined by the honors program director, and if the 3.40 or higher average in the above subset of courses is attained, the Highest Distinction in Public Policy is awarded. The proposed program of research must be approved in advance by the director of undergraduate studies. More details on the honors program can be found at sanford.duke.edu/academics/undergraduate-program/current-students/honors-program.

Accelerated MPP
The 4+1 Accelerated Master of Public Policy track is an opportunity for Duke Undergraduate public policy majors to complete both their undergraduate and master’s degrees in five years.

Majors who are able to pursue graduate-level coursework during their senior year are eligible to apply in the spring of their junior year. Students will complete the entire 51 graduate credits required for traditional two-year MPP students. This is a continuous enrollment program so students may not take a leave of absence between the undergraduate and graduate degrees.

Requirements:
1. Must be a Duke University undergraduate public policy major.
2. Must have a 3.5 GPA in the public policy major and overall (must maintain through junior year).
3. Must meet with the Director of Undergraduate Studies and the Director of Graduate Studies (MPP) prior to applying.
4. Must have three letters of recommendation – we suggest two faculty and one internship/professional.
5. Complete the online MPP application.

Academic Requirements
Core and Required Courses: Public Policy 155D, 301, 302D, 303D, 304; one history course; Statistical Science 199L (STA 198L, STA 101L, STA 102L, STA 104L, STA 111L, STA 130L or ECON 104 may substitute for STA 199L); plus four Public Policy 160-699-level elective courses, one of which must be a 401-699-level course. Effective Fall 2023, PUBPOL 155D will be offered as a satisfactory/unsatisfactory (S/U) Course. All other public policy courses must be taken for credit and cannot be taken as satisfactory/unsatisfactory (S/U).

Economics 201D may be substituted for Public Policy 303D. Either course is a prerequisite for Public Policy 304. Global Health 210 (Global Health Ethics) may be substituted for Public Policy 302.

The required history course must include a public policy component. History classes taught by public policy faculty or other history department classes designated by the public policy director of undergraduate studies may be used to satisfy this requirement.

No more than two transfer (including study abroad) credits may be counted toward the major requirements. Note that Public Policy 450AS (Glasgow Seminar in Public Policy) is classified as a Duke course rather than a transfer course.

A satisfactory policy-oriented internship, approved by the department, and enrollment in Public Policy 120, a noncredit, ungraded internship course, are required.

Internship Program
The internship is a culmination of the core coursework and gives students a chance to see how the skills from these classes apply in a real-world context. It also gives students the opportunity to gain exposure to different parts of the policy field and helps them prepare for their eventual job search.

For students to qualify to do their internship, they must have completed at least 3 of the following 6 required courses: STATS 199L, PUBPOL 155D, 301, 302 (GLHITH 210), 303, or 304. From this list of courses, at least one course needs to be PUBPOL 155, 301 or 302. Students must finish their sophomore year before their internship. School year internships are no longer permitted. With the exception of Duke in DC, students will be required to do the internship during the summer.

The internship application process takes place during the fall and spring semesters prior to the internship under the guidance, assistance, and approval of the Public Policy Internship Office. Students whose internships are not preapproved by the internship office run the risk of not receiving credit for their internships. Upon completion of the internship, students are required to submit an internship experience evaluation form and submit the internship written assignment.

Public policy majors are strongly encouraged to take advanced follow-up coursework that builds upon the knowledge gained from their internship experiences.

More information on the internship requirement can be found at sanford.duke.edu/academics/undergraduate-program/current-students/internship-requirements.
Program Summary
The Department of Religious Studies offers a broad selection of undergraduate courses to majors, minors, and all interested students on campus. The department engages in different aspects of the study of religion, using a variety of perspectives and methodologies. The major religious traditions of the world—Christianity, Islam, Judaism, Buddhism, Hinduism, Confucianism, and Taoism—are studied in the ways they manifest themselves in present-day societies and in their historical depth, examining their origins and sacred texts (often in the original languages) as well as their historical developments, rituals, artifacts, practices, material forms, and transformations over time. Beyond the study of individual religious traditions, theories and definitions of religion are also explored. Courses numbered from 100 through 199 include survey or general courses; courses numbered from 200 through 399 include courses on more specific aspects of religion or religious traditions.

Go to Programs by Department to view all related programs.

Foreign Languages
To prepare for graduate or professional study of religion, the department recommends that students complete at least four courses in college-level study, or the equivalent, of a modern foreign language. Master of arts and doctor of philosophy programs often require examination in one or two modern foreign languages. Those planning to study religious traditions whose documents are in a language other than English should begin appropriate language study as part of their undergraduate preparation.

Departmental Graduation with Distinction
The Department of Religious Studies has a program for Graduation with Distinction. This program is intended for the outstanding religious studies major whose grade point average is at least 3.5 in religious studies (and 3.3 overall) and who has demonstrated the desire and talent to pursue independent research. The student, under the supervision of an advisor, will produce an honors thesis of exceptional quality. The main advisor is normally a faculty member in the department already familiar with the student’s work.

Academic Requirements

Ten courses. Religion 101 (Introduction to Religious Studies) is required. At least six courses must be numbered 200 or above. One course must be a religious studies independent study taken in the junior or senior year, a small group learning experience/seminar taken during the junior or senior year, or a religious studies honors project. The student will select, from a list of appropriate courses, at least one course apiece for each of three different religious traditions. In addition, the student, also in consultation with their advisor and with the advisor’s approval, will choose a set of four courses that constitute a thematic or methodological focus on a particular aspect of religion. Only two approved study abroad courses can count toward the major. Only one Duke Divinity School course can count toward the major, and that course cannot be equivalent to a course offered by the religious studies department. Students interested in taking Duke Divinity School courses should consult the director of undergraduate studies regarding credit toward the religious studies major.

Departmental Graduation with Distinction

The Romance studies major at Duke involves advanced study in two of the department's language/culture sections in an international and experiential learning mode. This major consists of foreign language study at the major level, departmental FL courses only, within two departmental fields, such as two continental fields, for example peninsular Spanish and Italian; two fields encompassing the diversity of cultures and engagement in the “developing” and the “developed” worlds, such Creole and French; or in geographically proximate postcolonial spaces such as lusophone (Portuguese-speaking) and francophone Africa, or Spanish and Portuguese-speaking environments in South America. The course requirements are paired with international/experiential learning requirements.

Go to Programs by Department to view all related programs.
Qualified students may apply for Graduation with Distinction. The application deadline is preregistration for the fall semester of the senior year. Students must find an appropriate faculty advisor to oversee the honors project. The thesis may be written in the language best suited to its likely audience, but students pursuing graduate study in a Romance studies field must write the thesis in the language of the area of study. Further information may be obtained from the director of undergraduate studies or the assistant to the director.

Academic Requirements

Academic Requirements

Five major-level departmental FL courses, in each of the two fields of study (see the descriptions of the single-language majors). The entry-level course for credit in the Romance studies major is the same as the entry level course for the minor in each of the French, Italian, and Spanish fields, i.e. French 204, Italian 203, and Spanish 301.

Students with unusual depth of study in Creole or Portuguese may petition the Romance studies faculty to unite one of the above sequences of five FL departmental courses with a combination of three courses and a required thesis (involving two semesters of independent study courses) in Creole or Portuguese. The Romance studies major in French, Italian, or Spanish and Creole or Portuguese therefore requires unusual initiative and experience in the field of either Creole or Portuguese. Petitions to undertake this option must include a one-page abstract of the project, a bibliography, and the names of three committee members who have consented to serve on the thesis committee.

International/Experiential Learning Requirements for the Romance Studies Major

To ensure breadth and depth of learning and linguistic/cultural immersion, any student completing the Romance Studies major must also complete two of the following international and/or experiential learning experiences related to their fields of Romance study. Each of these must be approved by the director of undergraduate studies:

- study abroad (up to two programs may be counted);
- an appropriate DukeEngage or another Duke service and/or experiential learning program;
- research experience related to the Romance language/culture field in a humanities lab, a fellowship, a research independent study, research assistantship, professional research environment, etc.;
- an honor’s thesis unifying the two fields; or
- a certificate in a related field with content directly related to that of the fields of language/culture study.

Russian (AB)

Program Code: U-RUS-AB
Degree Designation: Bachelor of Arts
Department: Slavic and Eurasian Studies
Website: slaviceurasian.duke.edu/undergraduate/major/russian

Program Summary

The Department of Slavic and Eurasian Studies has a strong commitment to increasing the language proficiency of its students regardless of their level at matriculation, to facilitate deep knowledge of the cultural context of each language represented, to help students develop their own scholarly interests and research abilities, and to acquaint students with trends in literary, linguistic, and cultural theory. Areas of specialization include nineteenth- and twentieth-century Russian and Soviet literature, Polish language and literature, semiotics, gender studies, film and media studies, legal and business Russian language, translation, Slavic linguistics, contemporary Russian and Polish literature, scientific and scholarly Russian language, stylistics, and Russian and Polish cultural history. Languages taught include Russian, Polish, and Ukrainian.

Resources for study include a state-of-the-art language laboratory with video facilities and a humanities computing facility, reception of daily Russian television programming, and an exchange program with St. Petersburg University. The department offers several Focus seminars and maintains a cooperative relationship with Duke programs in Linguistics, Global Cultural Studies in Literature, Gender, Sexuality, and Feminist Studies, and Cultural Anthropology; the Center for Slavic, Eurasian and East European Studies; and related programs at The University of North Carolina at Chapel Hill.

The department offers work leading to Graduation with Distinction. See the section on honors in this bulletin and the departmental director of undergraduate studies.

Go to Programs by Department to view all related programs.
The Russian major requires a minimum of ten Russian courses in the department, eight of which must be at the 200 level or above. All majors must take the following courses: Russian 203, 204, 301S, 302S, 401, 402 or equivalent. Each major is additionally required to take four courses, of which at least three primarily focus on works of Russian culture (oral and written poetry and prose, drama, music, film, visual arts). The department urges students to consider coursework that would include at least one 500-level course.

**Slavic and Eurasian Studies (AB)**

Program Code: U-SES-AB  
Degree Designation: Bachelor of Arts  
Department: Slavic and Eurasian Studies  
Website: [slavic.eurasian.duke.edu/undergraduate/major/slavic-eurasian-studies](http://slavic.eurasian.duke.edu/undergraduate/major/slavic-eurasian-studies)

**Program Summary**

The Department of Slavic and Eurasian Studies has a strong commitment to increasing the language proficiency of its students regardless of their level at matriculation, to facilitate deep knowledge of the cultural context of each language represented, to help students develop their own scholarly interests and research abilities, and to acquaint students with trends in literary, linguistic, and cultural theory. Areas of specialization include nineteenth- and twentieth-century Russian and Soviet literature, Polish language and literature, semiotics, gender studies, film and media studies, legal and business Russian language, translation, Slavic linguistics, contemporary Russian and Polish literature, scientific and scholarly Russian language, stylistics, and Russian and Polish cultural history. Languages taught include Russian, Polish, and Ukrainian.

Resources for study include a state-of-the-art language laboratory with video facilities and a humanities computing facility, reception of daily Russian television programming, and an exchange program with St. Petersburg University. The department offers several Focus seminars and maintains a cooperative relationship with Duke programs in Linguistics, Global Cultural Studies in Literature, Gender, Sexuality, and Feminist Studies, and Cultural Anthropology; the Center for Slavic, Eurasian and East European Studies; and related programs at The University of North Carolina at Chapel Hill.

The Slavic and Eurasian studies major is designed to enable students to gain knowledge about Slavic and Eurasian languages and cultures as well as the interrelated histories and contemporary interactions between these cultures.

The department offers work leading to Graduation with Distinction. See the section on honors in this bulletin and the departmental director of undergraduate studies.

**Academic Requirements**

To earn a major in Slavic and Eurasian studies, students must complete ten courses, eight of which must be at the 200 level or above. Required courses are one approved introductory course to the major (including, but not restricted to, Russian 350, Russian 370, Slavic and Eurasian Studies 373S, Slavic and Eurasian Studies 386S); one capstone seminar (Slavic and Eurasian Studies 423S) in their junior or senior year, which includes a significant research component; four language courses above the 102 level for Polish or four language courses above the 203-204 level for Russian; and four content (elective) courses on Slavic and Eurasian studies with no more than two of these on an exclusively Slavic topic. All 300-level and above courses with the designators Polish and Turkish may count toward the major. The Department of Slavic and Eurasian Studies also offers Romanian on a regular basis. These languages can be counted as fulfilling the language requirement with prior approval from the director of undergraduate studies. To determine if specific courses meet the requirements for the major, students should consult with the director of undergraduate studies in the Slavic and Eurasian Studies department.

Students are encouraged to study abroad in a country that is related to the geographical area covered by the major.

**Sociology (AB)**

Program Code: U-SOC-AB  
Degree Designation: Bachelor of Arts  
Department: Sociology Department  
Website: [sociology.duke.edu/undergraduate/major](http://sociology.duke.edu/undergraduate/major)

**Program Summary**

Sociology is a field that uses scientific methods to answer questions about human behavior and society, such as: What impact does racial segregation have on students’ educational outcomes? Who gets sick and why? How do social networks affect business profits? What are the social causes of criminal behavior? How can we harness big data to understand political divides? The department prides itself on creating an engaging curriculum that develops students’ analytic and communication skills, provides in-depth knowledge of multiple research methods and substantive
Program Learning Outcomes
Undergraduate majors in the program should be able to:

- Explain how individuals are shaped by social networks, institutions, and culture
- Evaluate systems of social inequality
- Apply sociological theories to novel contexts
- Answer social science questions using qualitative and quantitative analyses
- Communicate ideas clearly and persuasively in writing and public speaking

Concentrations
Students who major in sociology have the option of declaring a concentration in one of the following three areas:

- Medical Sociology: study of social and structural determinants of health and healthcare
- Sociology of Work and Organizations: study of jobs, labor markets, and careers
- Sociology of Crime, Law, and Justice: study of legal processes and systems of punishment

To complete an optional concentration, majors must take four or more courses in the sub-discipline. The department's website provides an updated list of available courses for each concentration. Additionally, capstone courses (SOCIOL 393, 490S, 495, 496) that complete research in Medical Sociology, Sociology of Work and Organizations, or Sociology of Crime, Law, and Justice can count as one of the four required concentration courses for that area.

Departmental Graduation with Distinction
The department offers work leading to Graduation with Distinction through the Honors Thesis Program. This is a two-semester course sequence (SOCIOL 495S and 496S) that is available to juniors with at least a 3.3 GPA and an endorsement of a faculty member. Completion of SOCIOL 332 (Methods of Social Research) is required and SOCIOL 333 (Quantitative Analysis of Sociological Data or equivalent) is strongly encouraged prior to enrolling in the Honors Program. Students in this program conduct original research that results in substantive papers in the format of academic journal articles. The program captures the often-nonlinear process of research: translating an abstract idea into an answerable sociological question, situating a topic among existing literature, using appropriate methods to analyze data, and communicating empirical results. Students produce and share findings from their theses in a supportive community of faculty advisors and peer researchers.

Spanish (AB)
Program Code: U-SPAN-AB
Degree Designation: Bachelor of Arts
Department: Romance Studies Department
Website: romancestudies.duke.edu/undergraduate/majors/spanish-latin-american-studies

Program Summary
Did you know that Spanish is the second largest world language as a vehicle of international communication and the third as an international language of politics, economics and culture? Or that about 330 million people in the world speak Spanish as their first language? Or that Spanish is the official language in 21 countries and is expected to be the first language of 50% of the population of the United States within 50 years? Our
Department sponsors summer study abroad programs (Duke in Spain, Duke in Chile, Duke in Costa Rica, and Duke Intensive Spanish in Alicante) and one semester/year study abroad program (Duke in Madrid). We encourage students to plan early in order to attain an advanced level in Spanish and to work into their study plans the possibility of studying abroad in a Spanish-speaking country.

Go to Programs by Department to view all related programs.

**Departmental Graduation with Distinction**

Qualified students may apply for Graduation with Distinction. The application deadline is preregistration for the fall semester of the senior year. Students must find an appropriate faculty advisor to oversee the honors project. The thesis may be written in the language best suited to its likely audience, but students pursuing graduate study in a Romance studies field must write the thesis in the language of the area of study. Further information may be obtained from the director of undergraduate studies or the assistant to the director.

**Study Abroad**

Students are strongly urged to study abroad since this is the best way to achieve language proficiency and to acquire knowledge of a country's culture. Courses taken abroad count toward the core and/or related courses as follows:

- **Department-Administered Programs**
  - Duke in Madrid. **Major:** All courses may be counted toward the major. Credit distribution may vary according to students' needs, with a maximum of three courses counting toward the core course requirement. For students remaining a second semester, two additional courses may be counted as core courses; the rest may be counted as related courses.
  - Duke in Madrid-Intermediate. **Major:** Spanish 314A, Gastronomía de España, being equivalent to Spanish 204 and advanced 300 level, counts as one course.

- **Duke-Administered Summer Programs (Office of Study Abroad)**
  - Duke in Chile. **Major:** Spanish 315A Language and Culture of Entrepreneurship in Latin America counts as one course credit.
  - Duke in Costa Rica. **Major:** Spanish 306A, Language, Culture, and Health in Costa Rica counts as one course credit.
  - Duke in Spain. **Major:** Spanish 439SA Global Spain counts as two course credits.

- **Non-Duke-Administered Semester Programs**
  - **Major:** A maximum of two courses per semester may be counted toward the core-course requirement.

- **Non-Duke-Administered Summer Programs**
  - **Major:** One course may be counted toward the core-course requirement.

**Academic Requirements**

**Academic Requirements**

A total of ten courses at the 300 level and above, at least seven of which must be from departmental offerings. These seven core courses must include any two survey courses (332, 333, 334, 335, 336) and at least three courses numbered above 400. The remaining courses must be on peninsular, Latin American or Latino-related topics and may be taken either in the department or in other departments. Brazilian or Lusophone literature or culture courses taught in Portuguese at or above the 300 level, offered by the department, may be substituted for some of these remaining courses. Overall, a total of seven courses must be taught in Spanish. Consult the undergraduate major advisor concerning approved related courses.

**Statistical Science (AB)**

Program Code: U-STA-AB
Degree Designation: Bachelor of Arts
Department: Statistical Science
Website: stat.duke.edu/undergraduate/major

**Program Summary**

The Department of Statistical Science coordinates teaching and research in the statistical sciences at Duke University. In its teaching and research, the department's faculty members emphasize modern statistical methods involving computationally intensive stochastic modeling, coupled with interdisciplinary applications in many fields. The department also offers courses in basic statistical and data science methods and advanced mathematical statistics.

The major in statistical science provides students with exposure to modern statistical reasoning and data science principles as well as the skills needed to develop, analyze, and utilize statistical techniques for addressing quantitative, data-based problems in a wide array of application domains, including but not limited to natural and social sciences and the humanities. The course of study exposes students to a broad range of statistical methods using tools from mathematical and computational sciences. Students who complete the major in statistical science will be well prepared for careers in technology and business, where they must appreciate and accommodate uncertainty in their decision-making, and for further study and embarking on research in science, law, business, or other fields.
As part of the course of study, majors in statistical science can complete a research project under the supervision of a faculty member. These projects can involve the analysis of complex data, the development of new methods or theories, or the extension and evaluation of existing techniques. The director of undergraduate studies can facilitate linking majors to a research mentor, who works with students to develop and complete the research project. Students earn credit for their research by taking Statistical Science 393 or 493 (up to one independent study can be used towards the major or minor, with prior approval of the director of undergraduate studies).

Go to Programs by Department to view all related programs.

Academic Requirements

Prerequisites. Mathematics 21 (or 111L), 122 (or 112L), 212 (or 222 or 202), and 221 (or 216 or 218). Computer Science 101L or 102L or 201 or Engineering 103L.

Major Requirements. Statistical Science 240L/Mathematics 228L or Statistical Science 230/Mathematics 230 or Statistical Science 231/Mathematics 340; Statistical Science 432/Mathematics 343; Statistical Science 210; Statistical Science 360; Statistical Science 440. Three additional courses above Statistical Science 240L (excluding 601, 602L, and 611); Statistical Science 199 is allowed. Up to one independent study in statistical science can be used toward the major. Transfer credit for up to one core or two elective courses can be used toward the major. A maximum of two grades of D+, D, or D- can be counted toward the degree.

Statistical Science (BS)

Program Code: U-STA-BS
Degree Designation: Bachelor of Science
Department: Statistical Science
Website: stat.duke.edu/undergraduate/major

Program Summary

The Department of Statistical Science coordinates teaching and research in the statistical sciences at Duke University. In its teaching and research, the department's faculty members emphasize modern statistical methods involving computationally intensive stochastic modeling, coupled with interdisciplinary applications in many fields. The department also offers courses in basic statistical and data science methods and advanced mathematical statistics.

The major in statistical science provides students with exposure to modern statistical reasoning and data science principles as well as the skills needed to develop, analyze, and utilize statistical techniques for addressing quantitative, data-based problems in a wide array of application domains, including but not limited to natural and social sciences and the humanities. The course of study exposes students to a broad range of statistical methods using tools from mathematical and computational sciences. Students who complete the major in statistical science will be well prepared for careers in technology and business, where they must appreciate and accommodate uncertainty in their decision-making, and for further study and embarking on research in science, law, business, or other fields.

As part of the course of study, majors in statistical science can complete a research project under the supervision of a faculty member. These projects can involve the analysis of complex data, the development of new methods or theories, or the extension and evaluation of existing techniques. The director of undergraduate studies can facilitate linking majors to a research mentor, who works with students to develop and complete the research project. Students earn credit for their research by taking Statistical Science 393 or 493 (up to one independent study can be used towards the major or minor, with prior approval of the director of undergraduate studies).

Go to Programs by Department to view all related programs.

Academic Requirements

Prerequisites. Mathematics 21 (or 111L), 122 (or 112L), 212 (or 222 or 202), and 221 (or 216 or 218). Computer Science 101L or 102L or 201 or Engineering 103L.

Major Requirements. Statistical Science 240L/Mathematics 228L or Statistical Science 230/Mathematics 230 or Statistical Science 231/Mathematics 340; Statistical Science 432/Mathematics 343; Statistical Science 210; Statistical Science 360; Statistical Science 440. Four additional courses above Statistical Science 240L (excluding 601, 602L, and 611); one of which must be a quantitatively focused course outside the department; Statistical Science 199 is allowed. Up to one independent study in statistical science can be used toward the major. One 300-level or higher course that is preapproved by the director of undergraduate studies in an applied quantitative area other than statistical science, such as
computer science, engineering, mathematics, one of the natural sciences, or one of the quantitative social sciences. Transfer credit for up to one core or two elective courses can be used toward the major. Students pursuing Graduation with Distinction must complete a year-long honor’s thesis in their senior year of study. A maximum of two grades of D+, D, or D- can be counted toward the degree.

Students may elect to complete requirements in specified areas of concentration. Currently, available areas of concentration in the statistical science major (BS) are data science and mathematical statistics. These concentrations are subsets of the major with specific choices of prerequisites and major courses. For the data science concentration: the linear algebra prerequisite must be Mathematics 218 or 221; of the four electives, at least two should come from the group of Statistical Science 199L, 322, 323D, 325L, 393/493 with a data science focus (subject to the approval of the director of undergraduate studies), 465, 561D, or 571, at least one of those two must come from the subgroup of Statistical Science 323D, 325L, 465, 561D, or 571, and one course should come from the group of Computer Science 216, 316, 330, 370D, 371D, 516, or 570 with others possible with pre-approval by the director of undergraduate studies. For the mathematical statistics concentration: the linear algebra prerequisite must be Mathematics 221; the multivariate calculus prerequisite must be Mathematics 212 or 222; and one of the four electives must be Mathematics 431 or 531.

**Theater Studies (AB)**

Program Code: U-THEA-AB
Degree Designation: Bachelor of Arts
Department: Theater Studies
Website: theaterstudies.duke.edu/academics/major

**Program Summary**
The Department of Theater Studies offers students a variety of opportunities to study and practice theater, combining respect for history with immersion in contemporary issues, and intellectual engagement with creative expression. The faculty views theater as a form of human expression, shaped by social, economic, technological, personal, and artistic forces.

The major in theater studies offers students instruction in both 1) the relationship of theater to the cultures that produce and consume it through the study of dramatic literature, theater history, and performance studies; and 2) the collaborative theater arts (dramatic writing, acting, design, directing, production and theater technology), with a particular interest in the ways in which these two areas inform each other. While the theater studies major offers students preparation for graduate study, advanced theater training, or entry-level work in theater and related professions, it also offers a basic understanding and appreciation of the literature, history, and practice of theater for a student who desires a liberal arts education.

Go to Programs by Department to view all related programs.

**Departmental Graduation with Distinction**
Students with at least a 3.5 average in their theater studies courses are eligible to apply for a project. Students must complete eleven courses in total to graduate with distinction in the major instead of the standard ten. All distinction courses count toward the major. Interested students should acquire the full policy for Graduation with Distinction in theater studies and an application form from the theater studies office. The student's proposed project needs the approval of the project supervisor and the director of undergraduate studies. All projects must be approved by March of the student's junior year.

A student may pursue a project in writing, directing, design, acting, dramatic literature, theater history, or performance studies. All projects must have a research and a substantial written component. They may also have a production component. Students are required to take either a research independent study or a home seminar in the fall and the Senior Colloquium in the spring.

The student's written work and production project will be reviewed by a committee (approved by the director of undergraduate studies) composed of the project supervisor, the director of undergraduate studies, and a third faculty member in theater studies or a related field. A meeting of the committee and the student to evaluate the project will be part of the evaluation process. The committee will decide whether the student receives distinction and what level of distinction the student will receive. See the Policy for Graduation with Distinction in theater studies for specific prerequisites.
Academic Requirements

One gateway course
- Theater Studies 145S (Acting)
- Theater Studies 187S (Reading Theater) or 187A (Reading Theater in New York)
- Theater Studies 125S (American Musicals)

Six area studies courses
- One course from Area 1: Acting, Directing
- Three courses from Area 2: Dramatic Literature, Performance Studies, Theater History
- One course from Area 3: Design, Theater Technology
- One course from Area 4: Dramatic Writing
- Three additional Theater Studies courses at the 200-level or above

Visual and Media Studies (AB)

Program Code: U-VIS-AB
Degree Designation: Bachelor of Arts
Department: Art & Art History Department
Website: aahvs.duke.edu/undergraduate/majors/visual-media-studies

Program Summary

Visual and Media Studies concerns all aspects of the production, circulation, and reception of visual images in culture, science, and society. Studies in visual culture engage you in the analysis of the effectiveness of the signs and symbols that give meaning to images, providing access to how visual meaning is socially, politically, and culturally constructed and received.

Visual Studies enable you to interpret the representations that shape the visual constructs of a particular society, to consider how systems of visual code differ from culture to culture, and the think through how the symbolic constructions of life organize how one sees, understands, and participates in natural and social environments. Most importantly, establishing a clear connection between the theory and the practice of visuality is
the foundation of Visual & Media Studies.

Go to Programs by Department to view all related programs.

Visual and Media Studies (AB) (U-VIS-AB)

**Academic Requirements**

**Academic Requirements**

The visual and media studies major requires thirteen courses, at least eight of which must be at the 200 level or above. Courses required for the major include Visual and Media Studies 202D (Introduction to Visual Culture), Visual and Media Studies 327S (Theories of Visual and Media Studies), and the capstone course Visual and Media Studies 4995 (Visual and Media Studies Capstone) or an approved upper-level seminar, as well as ten additional courses to be divided as follows: two courses in visual and media history or art history, two courses in visual and media practice; three visual and media studies electives taught by faculty in AAHVS; and three previously approved cross-listed courses in another department.

The requirements and prerequisites for the major can be satisfied by courses taken at other institutions or abroad, but no more than two courses taken away from Duke may count toward the major. Further courses are available for credit at North Carolina State University and The University of North Carolina at Chapel Hill.

**Concentration in Cinematic Arts**

The concentration allows students deep engagement and mentoring in a range of approaches within the cinematic arts; from film/video production and digital imaging to the myriad ways in which time-based media can become an element of mixed media works and installation art; building on our distinctive strengths in film production and studies on campus. The concentration enables students to extend and focus their study within multiple fields of practice, film history, and theory.

Thirteen courses are required for the concentration, including one gateway course (either Visual and Media Studies 202D or Visual and Media Studies 289) taken preferably in the first or sophomore year, one theory-focused course, four practice and two film studies courses taken from an approved list, and the Visual and Media Studies 496S Cinematic Arts Capstone class in the spring semester of the senior year. Four elective courses at any level offered by or cross-listed by ARTHIST, ARTSVIS, CINE, or VMS.

**Visual Arts (AB)**

Program Code: U-ARTV-AB

Degree Designation: Bachelor of Arts

Department: Art & Art History Department

Website: aahvs.duke.edu/undergraduate/majors/visual-arts

**Program Summary**

Studio art courses offer directed experiences in the practice of the visual arts, enhancing the understanding of art both within the history of culture and as an individual human achievement. Department offerings emphasize the analysis and articulation of visual concepts and processes as they relate to a broader education in the humanities and sciences.

Go to Programs by Department to view all related programs.

Visual Arts (AB) (U-ARTV-AB)

**Academic Requirements**

**Academic Requirements**

The visual arts major requires twelve courses. Courses for the major include: three courses at the 100 level in a variety of disciplines, four courses at the intermediate/advanced level (between 200-699), Visual Arts 497S (Advanced Visual Practice), Visual Arts 496S or 498S Senior Capstone in the Visual Arts, one course at any level in art history, one course at any level in visual and media studies, and one additional course in either art history or visual and media studies at the 200 level or above.

The requirements for the major can be satisfied by courses taken at other institutions or abroad, but no more than two courses taken away from Duke may count toward the major. Further courses are available for credit at North Carolina State University and The University of North Carolina at Chapel Hill.

**African & African American Studies Minor**

Program Code: U-AFRI-MIN

Plan Type: Minor

Department: African & African American Studies Program

Website: aaas.duke.edu/undergraduate/major-minor

**Program Summary**
The Department of African & African American Studies offers undergraduate degrees that equip students with bodies of knowledge that emerge from studying the histories, cultures, and social realities of African and African American peoples, and others of African descent across the diaspora. Mastering this knowledge will also produce a broad-based interdisciplinary learning experience that contributes to an intellectual, personal, and social maturation process.

Go to Programs by Department to view all related programs.

**Academic Requirements**

**Art History Minor**

Program Code: U-ART-MIN  
Plan Type: Minor  
Department: Art & Art History Department  
Website: aahvs.duke.edu/undergraduate/minors/art-history

**Program Summary**

Art history is the study of works of art in the context of the broader social, political, and intellectual cultures of which they are a part. Studying art history develops the ability to evaluate and organize information, visual as well as verbal; it also enhances the faculties of creative imagination, precise observation, clear expression, and critical judgment. Students of art history acquire a sophisticated understanding of the theory and practice of artistic production and reception.

Go to Programs by Department to view all related programs.

**Academic Requirements**

**Asian American and Diaspora Studies Minor**

Program Code: U-AADS-MIN  
Plan Type: Minor  
Department: Asian American and Diaspora Studies  
Website: asianamericanstudies.duke.edu

**Program Summary**

The Asian American & Diaspora Studies Program (AADS) is an interdisciplinary academic program with a minor degree program dedicated to the studies of Asian America and the Asian diaspora. The program offers a curriculum that enriches the understanding of the long-neglected history, rich cultural heritage, and present position of Asian Americans and the Asian diaspora through pedagogy, public outreach, and programming.

Go to Programs by Department to view all related programs.

**Academic Requirements**
Asian and Middle Eastern Studies Minor

Program Code: U-AMES-MIN
Plan Type: Minor
Department: Asian & Middle Eastern Studies
Website: asianmideast.duke.edu/undergraduate/major-minors

Program Summary

A minor is offered to students interested in the study of language, literature, culture, and history of a particular region of Asia and the Middle East. The concentration of the minor is determined by the language of study: Arabic, Chinese, Hebrew, Hindi, Japanese, Korean, Persian, or Turkish.

Go to Programs by Department to view all related programs.

Academic Requirements

The minor offers two pathways: (1) language pathway and (2) literature and culture pathway. Five courses are required in each track.

- **Minor in Asian & Middle Eastern Studies with a Language Pathway:** Five courses are required as follows:
  - a minimum of three and up to a maximum of four language courses in one AMES language at the 200 level or above;
  - a minimum of one and up to a maximum of two AMES literature/culture courses at the 100 level or above.

- **Minor in Asian & Middle Eastern Studies with a Literature and Culture Pathway:** Five courses are required as follows:
  - two language courses in one AMES language at the 200 level or above;
  - a minimum of two and up to a maximum of three AMES literature/culture courses at the 100 level or above.

Study Abroad. Students who study abroad may transfer up to four language credits, but no literature and culture credits, toward the minor in Asian and Middle Eastern studies.

Biology Minor

Program Code: U-BIO-MIN
Plan Type: Minor
Department: Biology Department
Website: biology.duke.edu/undergraduate/minor

Program Summary

The biology major and minor and biology courses in a variety of areas are offered by the Department of Biology. Additional courses in the biological sciences are offered by the departments of evolutionary anthropology, chemistry, and psychology in Trinity College of Arts & Sciences; by the basic sciences departments in the School of Medicine; and by the Pratt School of Engineering and the Nicholas School of the Environment.

Go to Programs by Department to view all related programs.

Academic Requirements

Five courses in biology, which may include the gateway courses, but not including Advanced Placement credit (Biology 20/21); the five courses may include any course numbered 200 or above in biology. A maximum of one course from approved courses in the basic science departments of the School of Medicine or from approved courses of a basic biological character in related departments. A maximum of one independent study or tutorial courses may be counted toward the five courses.

Brazilian and Global Portuguese Studies Minor
Duke University

Program Code: U-BPST-MIN
Plan Type: Minor
Department: Romance Studies Department
Website: romances.studies.duke.edu/content/brazilian-global-portuguese-minor

**Program Summary**

Students minoring in Brazilian and Global Portuguese studies will acquire competency in spoken and written Portuguese, as well as familiarity with the literature and culture of Brazil and Portuguese-speaking regions.

A major in this program is also available. Go to Programs by Department to view all related programs.

**Study Abroad**

Students are strongly urged to study abroad since this is the best way to achieve language proficiency and to acquire knowledge of a country’s culture. Courses taken abroad count toward the core and/or related courses as follows:

- **Duke-Administered Summer Programs**
  - Duke-in-Brazil. *Minor*: One course may be counted.

- **Non-Duke-Administered Semester Programs**
  - *Minor*: One course per semester may be counted.

- **Non-Duke-Administered Summer Programs**
  - *Minor*: One course may be counted.

Brazilian and Global Portuguese Studies Minor (U-BPST-MIN)

**Academic Requirements**

**Chemistry Minor**

Program Code: U-CHEM-MIN
Plan Type: Minor
Department: Chemistry Department
Website: chem.duke.edu/undergraduate/minor

**Program Summary**

The study of Chemistry provides a fascinating and intellectually stimulating foray into the molecular underpinnings of the world around us, and through independent study, an opportunity to participate firsthand in cutting-edge research that spans a wide range of disciplines in the molecular sciences.

The chemistry minor is designed for students who do not wish to major in the field, but do wish to invest significant time in chemistry courses.

Go to Programs by Department to view all related programs.

Chemistry Minor (U-CHEM-MIN)

**Academic Requirements**

Chemistry 101DL or 110DL or 21; plus four additional courses selected from the following: Chemistry 180, 201DL, 202L, 210DL or 20, Chemistry courses numbered above 210; Biochemistry 301, 302; Biology 372A; Environment 540, 542; Pharmacology 350, 360, 533.

In certain cases, substitutions may be made for courses outside the chemistry department with the consent of the director of undergraduate studies.

Cinematic Arts Minor

Program Code: U-CINE-MIN
Plan Type: Minor
Department: Art & Art History Department
Website: aahvs.duke.edu/undergraduate/minors/cinematic-arts
Program Summary
The cinematic arts minor allows engagement in a range of approaches within film studies, moving image history, theory, and practices — from film/video production, and digital imaging to the myriad ways in which time-based media can become an element of mixed media works and installation art in historical and contemporary contexts.

Academic Requirements
Five courses, which must include at least one gateway course (either Visual and Media Studies 202D, Visual and Media Studies 289, or Visual and Media Studies 261S) taken preferably in the first or sophomore year. Additionally, students must take at least one film practice course and at least one film studies course (both from a list of approved Cinematic Arts courses). The fifth course may be either film practice or film studies. Two transfer courses may count toward the requirements for the minor; courses taken Satisfactory/Unsatisfactory or Advanced Placement credits do not count toward the minor.

Classical Archaeology Minor
Program Code: U-CLAR-MIN
Plan Type: Minor
Department: Classical Studies Department
Website: classicalstudies.duke.edu/undergraduate/minors

Program Summary
Courses in the Department of Classical Studies offer the chance to bring to life the past of ancient Greece and Rome, through exploration of their languages, literature, history, philosophy, art, material culture, and more. The department offers courses in Latin, Greek, and classical studies; two majors (classical languages and classical civilization); and four minors (Greek, Latin, classical civilizations, and classical archaeology). This rich field of study invites serious engagement with the complexity of the past and evaluation of its place in the present. In grappling with the classical pasts, students develop the tools and habits for thinking critically across space, time, culture, and disciplinary boundaries.

Academic Requirements
Five Classical Studies (CLST) courses in ancient art and archaeology. At least three of these must be taught by a primary or secondary member of the Department of Classical Studies, and at least three courses must be at or above the 200-level. No courses used to fulfill the requirements of one minor may be used for another, or for the majors in classical languages or classical civilization.

Classical Civilizations Minor
Program Code: U-CLCZ-MIN
Plan Type: Minor
Department: Classical Studies Department
Website: classicalstudies.duke.edu/undergraduate/minors

Program Summary
Courses in the Department of Classical Studies offer the chance to bring to life the past of ancient Greece and Rome, through exploration of their languages, literature, history, philosophy, art, material culture, and more. The department offers courses in Latin, Greek, and classical studies; two majors (classical languages and classical civilization); and four minors (Greek, Latin, classical civilizations, and classical archaeology). This rich field of study invites serious engagement with the complexity of the past and evaluation of its place in the present. In grappling with the classical pasts, students develop the tools and habits for thinking critically across space, time, culture, and disciplinary boundaries.

Academic Requirements
Five Classical Studies (CLST) courses. At least three of these must be taught by a primary or secondary member of the Department of Classical Studies, and at least three courses must be at or above the 200 level in at least two levels: literature in translation (or in the original language at or above the 250 level), history, art and archaeology, philosophy.

No courses used to fulfill the requirements of one minor may be used for another, or for the majors in classical languages or classical civilization.

Computational Biology and Bioinformatics Minor
Program Code: U-CPSB-MIN
Plan Type: Minor
Department: Computer Science Department
Website: cs.duke.edu/undergrad/minor

Program Summary
The Department of Computer Science provides courses on the concepts of computing and computers, their capabilities, and their uses. In most courses, students make extensive use of the available computing facilities. Students who wish to take a single introductory course as part of their general education usually elect Computer Science 94, 101, 102, or 116.

Academic Requirements
Prerequisites. Mathematics 111L, and one of these: Mathematics 112, Mathematics 122, Statistical Science 101 or above, or Biology 204
Requirements. Five courses at the 200 level or above (not including the prerequisites); three from computer science and two from biology, as follows: Computer Science 201, Computer Science 260. One of Computer Science 216, 220, 224, 316, 370, or any 500-level course, or as approved by the director of undergraduate studies in computer science, e.g., an independent study in an area related to bioinformatics or computational biology. Biology 201L. One of Biology 215, 218, 220, 251L, 311, 325, 414LS, 416L, 418, 425, 450S, 556L, 557L, any 500 level or above non-independent study CBB course, or as approved by the director of undergraduate studies in computer science in consultation with the director of undergraduate studies in biology.

Computational Media Minor
Program Code: U-CMAC-MIN
Plan Type: Minor
Department: Computational Media, Arts & Cultures
Website: cmac.duke.edu/undergraduate/requirements

Program Summary
Computational Media, Arts & Cultures (CMAC) represents a collection of related activities at Duke University. Originating in the Department of Art, Art History & Visual Studies and the Mellon-supported Visual Studies Initiative, CMAC has evolved to include various graduate programs and collaborative research initiatives.

Students interested in areas such as digital humanities, digital media and algorithmic arts, computer interface and experience design, game studies, digital storytelling and data journalism, information aesthetics, computational media ethics, global media studies and related topics will find the program of interest.

Academic Requirements
The minor includes two VMS/CMAC practice courses; two VMS/CMAC thematic courses, and one COMPSCI course at the 200-level or above. Two transfer courses may count toward the requirements for the minor; courses taken Satisfactory/ Unsatisfactory or Advanced Placement credits do not count toward the minor.

Computer Science Minor
Program Code: U-CPS-MIN
Plan Type: Minor
Department: Computer Science Department
Program Summary
The Department of Computer Science provides courses on the concepts of computing and computers, their capabilities, and uses. In most courses students make extensive use of the available computing facilities. Students who wish to take a single introductory course as part of their general education usually elect Computer Science 94, 101, 102 or 116.

Go to Programs by Department to view all related programs.

Academic Requirements

Five courses in computer science (including the prerequisite), at least four of which must be at the 200 level or above.

Prerequisites. Computer Science 101L, 102, or 116 or equivalent

Requirements. Computer Science 201 and 250. All 200-level and above courses count in meeting the minor requirements

Computer Science Artificial Intelligence Minor

Program Code: U-CPSAI-M
Plan Type: Minor
Department: Computer Science Department

Program Summary
The minor in computer science artificial intelligence prepares students to understand artificial intelligence (AI) within a broader context, and to wisely consider its growing social, cultural, and ethical impact. This interdisciplinary minor builds bridges with a number of departments across Trinity. It offers students not majoring in computer science solid technical grounding in AI, machine learning (ML), computer science, mathematics, and statistics. It also asks students to explore the cognitive, ethical, historical, legal, linguistic, neuroscientific, philosophical, policy, or social aspects of AI.

Go to Programs by Department to view all related programs.

Academic Requirements

Five courses at the 200 level or above as follows:

- Computer Science 201
- Computer Science 370D or 570
- Computer Science 371D or 571D or 671D
- Two electives
  - One elective must be outside of Computer Science, Mathematics, Statistics, or Electrical and Computer Engineering and be drawn from the following list:
    - Biomedical Engineering 502, 503, 504, 513, 515, or 517
    - Law 592
    - Linguistics 216S, 498, 501, or 510
    - Neuroscience 267 or 355S
    - Philosophy 209, 212, 250, or 252
    - Policy, Journalism and Media Studies 372
    - Political Science 331
    - Psychology 257, 258, 276, 308L, 451S, 461S, 462S, 469S, 470S, or 478
    - Public Policy 290
    - Science and Society 606S
  - The second elective may be also from the same list, or maybe a course listed as an approved elective within the Computer Science BS major concentration in Artificial Intelligence and Machine Learning, or maybe a research independent study with a significant emphasis on Artificial Intelligence.

Students may not receive this minor in addition to another major or minor offered by Computer Science.

Creative Writing Minor
Duke University

Program Code: U-WRTG-MIN
Plan Type: Minor
Department: English Department
Website: english.duke.edu/undergraduate/minor-creative-writing

Program Summary

The English Department is home to the creative writing faculty at Duke. We offer introductory, intermediate, and advanced courses in fiction, poetry, and creative nonfiction, including specialized courses on topics that intersect with disciplines beyond English—Playwriting, Writing Across Borders, and Writing about Research. Our creative writing faculty are widely-published novelists, poets, playwrights, and essayists who have received many honors, including the National Book Award, a Guggenheim Fellowship, the Whiting Award, a McDowell Colony Fellowship, and the PEN/Hemingway Award. Creative writing workshops are intimate seminar courses where students can explore various genres at once or hone their craft in a single genre of writing. The department also offers opportunities for students to work directly with Blackburn Visiting Writers. In addition to The Blackburn Reading Series, which brings distinguished contemporary authors to campus each year, we host the ongoing Little Corner Reading Series and annual undergraduate creative writing contests in fiction, poetry, and creative nonfiction.

Go to Programs by Department to view all related programs.

Creative Writing Minor (U-WRTG-MIN)

Academic Requirements

Five courses are required for the creative writing minor:

- English 110S (Introduction to Creative Writing)
- Two courses in creative writing at the 200 level or above
- One course at the 300 level or above
- An additional course in English, other than creative writing, at the 200 level or above, in a literary genre appropriate to the student’s emphasis

or

- Three courses in creative writing at the 200 level or above
- One course at the 300 level or above
- An additional course in English in a literary genre appropriate to the student’s emphasis

Note: For English majors, two courses will be allowed to overlap.

Cultural Anthropology Minor

Program Code: U-CA-MIN
Plan Type: Minor
Department: Cultural Anthropology Department
Website: culturalanthropology.duke.edu/undergraduate/degree-options

Program Summary

Cultural anthropology is a comparative discipline that studies human social life across the world’s diverse peoples and cultures. Cultural anthropology is the science of contemporary life: it emphasizes how power, identity, inequality, and social justice shape everyday life and global processes. It uniquely bridges the social sciences and the humanities with its holistic approach. Cultural anthropologists at Duke conduct research on a wide range of urgent issues, including racism, digital media, science and technology, ethnic identities, environment and climate change, health and medicine, music and performance, gender and sexuality, economic inequality, migration, sports, religion and myth, food politics, human rights, Indigenous sovereignty, and design. What unites these varied topics is a research method called ethnography. Ethnography is an empirical social research method focused on an engaged and community-based inquiry into everyday practices and how people make sense of them. It can involve participant observation, interviews, life histories, and action-oriented research, and is a widely applicable career skill. Ethnography reveals local solutions to global challenges.

The department offers a wide range of courses that introduce the discipline’s core concepts and topics and that train students in ethnographic thinking, research, ethics, writing, and application. Courses in cultural anthropology often draw on in-depth case studies from different world areas to explore a specific topic. Faculty integrate their ethnographic fieldwork into courses, and the Department has special strengths in Africa and the African diaspora, Latin America, the Middle East, East Asia, South Asia, the United States, and Native North America.

Go to Programs by Department to view all related programs.
Academic Requirements

A total of five courses distributed in the following manner: Cultural Anthropology 101; three courses at the 100 level or above; and one additional course at any level (this may include courses taken in the Focus Program).

Dance Minor

Program Code: U-DAN-MIN
Plan Type: Minor
Department: Dance Department
Website: danceprogram.duke.edu/undergraduate/minor

Program Summary

The Duke University Dance Program focuses on dance as an integral part of the human experience and a medium for rigorous intellectual creativity. Our aim is to engage students in the profound potential for dance as embodied knowledge in the service of society. The Dance Program curriculum is designed to encourage the exploration of dance from interdisciplinary perspectives: historical, cultural, aesthetic, literary, technological, musical, scientific, and creative.

The Dance Program welcomes all students, regardless of the extent of their experience in dance. The curriculum provides opportunities to encounter dance traditions and movement experimentation as processes for discovery, communication, inquiry, and discourse. Students already deeply engaged in specific dance forms can explore and further enhance their physical, performance, and creative capacities. Students will experience dance as a mode for personal development and leadership and as a transformative force for social action. As the landscape of dance continues to evolve, Duke Dance Program students will gain the knowledge and skills to impact the nature and function of dance in contemporary society and reimagine the future of performance. They will move into action, agency, and sustainability with tools that can transform relationships locally and globally.

Students are encouraged to enroll in a summer session with the American Dance Festival. One course credit earned at the American Dance Festival may be counted toward the requirements of the minor.

Through the Duke in New York Arts Program, a student has the opportunity in the fall semester of the junior or senior year to pursue the study of the arts in New York City. Appropriate courses taken at New York University may fulfill a requirement of the minor.

Eight hours total of service work are required of each student minoring in dance. This requirement may be completed at any time during the four-year undergraduate experience.

A major in dance is also available. Go to Programs by Department to view all related programs.

Academic Requirements

To earn the minor in dance, students must complete the following requirements:

- Dance 101 (Introduction to Dance Pathways) or Dance 165 (Let’s Dance!)
- Four full-credit courses
- One course credit made up of partial or full-credit course(s)
- Eight hours total of service work is required of each student. This may be completed at any time during the four-year undergraduate experience.

Earth and Climate Sciences Minor

Program Code: U-ECS-MIN
Plan Type: Minor
Department: Earth and Climate Sciences
Website: nicholas.duke.edu/academics/undergraduate-programs/earth-climate-sciences

Program Summary

The Earth and Climate Science minor is for students interested in the science of how planet Earth works, and creating scientific solutions to earth and environmental challenges such as climate change, water use, sustainable development of mineral resources, clean energy production, as well understanding Earth’s long geological and biological evolution.
The Division of Earth and Climate Sciences offers introductory and advanced courses in climatology, coastal processes, geology, water sciences, hydrology, geomorphology, physical oceanography, petrology, geological history, and energy. The minor is administered by the Nicholas School of the Environment.

Go to Programs by Department to view all related programs.

Earth and Climate Sciences Minor (U-ECS-MIN)

**Academic Requirements**

The minor requires five courses, consisting of one gateway course (ECS 101 or ECS 103) and four additional ECS courses.

**Economics Minor**

Program Code: U-ECON-MIN  
Plan Type: Minor  
Department: Economics Department  
Website: econ.duke.edu/undergraduate/minor/economics

**Program Summary**

Economics courses develop the critical and analytical skills essential for understanding economics and institutions, in both their contemporary and historical settings. Although no particular vocational or professional goal is emphasized, these courses provide the academic background necessary for positions in industry, for work in many branches of government service, for law school, and for graduate study in business administration, economics, and the social sciences.

Go to Programs by Department to view all related programs.

**Academic Requirements**

Economics 101D. Economics 201D. Three additional economics courses, of which no more than one course may be at the 200 level other than Economics 204D, 205D, and 210D, which may all be counted toward the minor; and two courses at the 300 level or higher. Courses 500-549 can only be counted toward the minor with the approval of the director of undergraduate studies. Substitution of similar courses in other departments at Duke for courses in the Department of Economics used toward minor requirements is not permitted. A maximum of one transfer credit may be counted toward minor requirements.

**Education Minor**

Program Code: U-EDUC-MIN  
Plan Type: Minor  
Department: Education Department  
Website: educationprogram.duke.edu/undergraduate/minor

**Program Summary**

The minor in education is designed to provide students who are majoring in arts and sciences disciplines with opportunities to combine coursework in their majors with academic and field-based experiences focused on the complex social, psychological, economic, scientific, technological, historical, political, and cultural issues that impact education, schooling, teaching, and learning throughout the lifespan.

Go to Programs by Department to view all related programs.

**University Teacher Preparation Programs**

The Duke University Teacher Preparation Programs offer secondary teacher licensure programs at both the undergraduate and master’s levels and an elementary licensure program at the undergraduate level. A common conceptual framework—preparing knowledgeable and skilled instructors who conduct themselves professionally and ethically as they practice reflective teaching—links the Teacher Preparation Programs. As students complete the general education requirements of Trinity College and of a selected major, they may also fulfill the requirements of an approved Duke Teacher Preparation Program and become licensed to teach. Licensure by the Duke-approved program is authorized through the State Board of Education in North Carolina and is reciprocal with most states. A license to teach along with an undergraduate degree is required by most public school systems and recommended by many independent schools. Duke University is accredited by the North Carolina Department of Public Instruction (DPI) and the Council for the Accreditation of Educator Preparation and has reciprocal approval for initial licensure with most of the fifty states. Title II data is available upon request.
Brief descriptions of two undergraduate programs based on bachelor of arts or bachelor of science degrees (secondary school teaching and elementary teaching) follow. The Master of Arts in Teaching Program is also available.

**Secondary School Teaching.** The Program in Education offers secondary school teacher licensure programs in English, mathematics, social studies, and science. Prospective teachers are advised to consult with the academic advisors in their majors and the secondary program director concerning their interest in teaching and this licensure program.

Interested undergraduate students may apply to the secondary school teaching program beginning in the sophomore year. Students are accepted by competitive criteria into a program that includes education courses with field experiences in local schools and an intensive senior spring semester teaching practicum. During the practicum, students teach high school classes in their respective disciplines under the supervision of an experienced mentor teacher and a university professor.

Upon successful completion of the senior year spring semester practicum and the four-year Trinity College undergraduate degree, students earn a teaching license and a minor in education.

**Elementary School Teaching.** Undergraduate students who plan to teach young children (kindergarten through sixth grade) may become eligible for licensure to teach while at Duke in addition to completing any academic major offered by Trinity College. The Elementary School Teaching Program provides students with opportunities to examine critical issues in public education and engage with K-6 schools through supervised field experiences in diverse classroom settings. The senior spring capstone semester includes a student teaching practicum in a local public school in Durham in addition to courses on curriculum design and implementation.

Interested undergraduate students may apply to the Elementary School Teaching Program beginning in the sophomore year. Students are selected by competitive criteria for participation in the program.

Upon successful completion of the senior year spring semester practicum and the four-year Trinity College undergraduate degree, students earn a teaching license and a minor in education.

**Academic Requirements**

A total of five courses including two required courses: Education 101 and Education 240. The three remaining courses are electives. Only one of the five courses may be taken at an institution other than Duke.

**Electrical and Computer Engineering Minor**

Program Code: U-ECE-MIN

Plan Type: Minor

Department: Pratt School of Engineering, Electrical & Computer Engineering Department

Website: ece.duke.edu/undergrad/degrees/minor/ece

**Program Summary**

The educational mission of the Department of Electrical and Computer Engineering is to graduate electrical and computer engineers who embody excellence in a broad sense. We expect our graduates to advance within industry positions or in graduate study, or to carry the attributes of an engineering education into other disciplines. The electrical and computer engineering program of study must include mathematics and basic sciences, fundamentals, and applications in several engineering sciences, and team-based experience in the process of design, where theory is applied in the context of real needs and limitations, and where judgment must be exercised. Our electrical and computer engineering graduates should be able to think critically when solving problems and managing tasks and communicate effectively in multidisciplinary professional environments. To be a responsible member of the engineering profession, each graduate must be aware of social, ethical, environmental, and economic factors and constraints on engineering activity, and must understand the importance of these matters in a global context. We aspire to have our graduates exhibit intellectual depth and creativity, uphold high ethical standards, and show a commitment to the betterment of society through service and professional work.

To this end, the specific program educational objectives that we look for in our graduates are that they

- advance professionally in their chosen field;
- contribute to their professional community and society; and
- engage in lifelong learning in professional and personal endeavors.

The electrical and computer engineering (ECE) program is fully accredited by the Engineering Commission of ABET and leads to a bachelor of science in engineering (BSE) degree. The ECE curriculum provides a solid foundation in mathematics, physical and life sciences, computer science, and humanities and social sciences that complements a set of twelve theme-based ECE courses.

The Department of Electrical and Computer Engineering has designed its curriculum based on the theme of integrated sensing and information processing (ISIP). The ISIP theme capitalizes on the collective research expertise of the ECE faculty and provides a coherent, overarching framework that links principles of ECE to each other and real-world engineering problems. The cornerstone of the ECE curriculum is the first course
fundamentals of electrical and computer engineering, which has been designed to provide students with a holistic view of ECE by introducing concepts spanning how to interface sensors and systems with the physical world, how to transfer/transmit energy/information, and how to extract, manipulate, analyze, and interpret information. The integrated design challenge in this first course introduces students to team problem-solving and motivates the in-depth study of ECE concepts in subsequent terms. Each of the four follow-on core courses focuses on a specific subfield of ECE (digital systems, microelectronics, sensing and waves, signals, and systems), and integrates lateral and vertical connections to other courses through the use of thematic examples. Following the five core courses are seven ECE technical electives that include a culminating engineering design course where teams of students address a significant real-world problem or opportunity.

The ECE curriculum emphasizes creative problem-solving through open-ended design challenges in many courses. Working in teams, students collaborate to utilize and develop their individual and collective technical, management, and leadership skills to design, simulate, build, and test components and systems to meet a set of specifications, often defined by industry standards. Students have the option to pursue two or more areas of concentration, depending on personal interests. The upper-level technical electives, which extend the breadth and depth of the ECE core curriculum, provide a firm foundation for future technical accomplishment and for effective problem-solving in the diverse fields that our graduates pursue.

The flexibility of the ECE curriculum enables students and their faculty advisors to tailor a unique educational experience for every student. This may include a semester abroad; a second major, minor, or certificate program; and/or a research experience with a faculty member. The most popular second majors are computer science and biomedical engineering. Other popular second majors include mathematics, economics, and physics. Interests such as pre-medicine, pre-law, art, music, psychology, and social sciences can be accommodated through individually designed programs. Students are encouraged to take more than the minimum required courses in the sciences and the liberal arts, as is fitting at an engineering school in a university with a strong liberal arts tradition.

Go to Programs by Department to view all related programs.

### Academic Requirements

The requirements for the minor in electrical and computer engineering is composed of five courses in electrical and computer engineering including three core courses selected Electrical and Computer Engineering 110L, Electrical and Computer Engineering 230L, Electrical and Computer Engineering 250D, Electrical and Computer Engineering 270DL, and Electrical and Computer Engineering 280L; and two additional electrical and computer engineering courses at the 300-level or above. Courses that are used to fulfill the student's primary major may not be double-counted toward the minor. In addition, electrical and computer engineering courses with content substantially equivalent to courses in the student's primary major may not be counted toward the minor. Students with credit for any of the core courses (e.g., exact or equivalent course taken to satisfy a requirement of the primary major) may substitute additional upper-level electrical and computer engineering courses, with approval from the director of undergraduate studies in electrical and computer engineering.

### Energy Engineering Minor

**Program Code:** U-ENE-MIN  
**Plan Type:** Minor  
**Department:** Pratt School of Engineering, School of Engineering  
**Website:** energy.pratt.duke.edu/minor-requirements

**Program Summary**

The energy engineering minor at Duke adds breadth, depth, and diversity to enrolled students' educational experience by providing rigorous exposure to the fundamentals of energy engineering. The program's objective is to prepare graduates to:

- engage in engineering careers in diverse areas with particular emphasis on energy-related matters;  
- pursue graduate education and research in energy engineering or energy-related fields; and  
- integrate energy concepts in their primary engineering discipline and/or optimize the use of energy within their professional pursuits and in society.

Go to Programs by Department to view all related programs.

**Eligibility**

All Duke engineering undergraduates are eligible to participate in the energy engineering program and qualify for the minor. Completion of the minor is noted on the student's academic transcript.

**Academic Requirements**
Academic Requirements

Five unique courses and one capstone design course must be completed to earn the minor in energy engineering. The requirements for the minor are:


Energy Engineering Area Courses. Four courses are required, at least one in each category, up to two outside Duke.

- Generation and Delivery. Energy Engineering 490.xx (Special Topics Bioenergy); Energy Engineering 490.xx (Special Topics Renewable Energy Technologies); Energy Engineering 490.xx (Special Topics-Modern Power Systems); Electrical and Computer Engineering 341 (Solar Cells); Mechanical Engineering 516 (Thin-Film Photovoltaic Technology).

- Conversion and Efficiency. Energy Engineering 490.0xx (Special Topics-Energy for the Built Environment); ECE 431/Energy Engineering 431 (Power Electronic Circuits for Energy Conversion); Energy Engineering 490.xx (Energy Engineering 370) (Special Topics-Transportation Energy); Mechanical Engineering 490.xx (Power for Mechanical Systems). Other courses not listed here can be considered to fulfill the area course requirements. They are to be approved by the energy engineering program director on an individual basis with consideration given to the engineering content and relevance to the field. Please contact the program director before enrolling.

- Capstone Design. Energy 490L (Energy and Environment Design) or departmental capstone if the project is energy-related, with prior approval by the energy engineering program director.

English Minor

Program Code: U-ENGL-MIN
Plan Type: Minor
Department: English Department
Website: english.duke.edu/undergraduate/minor-english

Program Summary

Duke’s English Department offers a major and minor in English and a minor in creative writing. The program is designed to:

- convey broad historical knowledge of English, American, and other Anglophone literatures,
- cultivate a sophisticated habit of critically engaging literary and cultural texts,
- create a shared understanding of major problems, trends, and methods of literary and cultural analysis, and
- develop your ability to pose questions and organize knowledge in productive and original ways.

Academic Requirements

Five courses at or above the 200 level; or English 101S plus four courses at or above the 200 level. One of the 200 level courses must be a designated seminar. Only one of the five courses may be taken at an institution other than Duke. Advanced Placement credits and courses taken on a Satisfactory/Unsatisfactory grading basis may not be used.

Environmental Sciences and Policy Minor

Program Code: U-ENVS-MIN
Plan Type: Minor
Department: Nicholas School of Environment
Website: nicholas.duke.edu/academics/undergraduate-programs/environmental-sciences-policy

Program Summary

If you’re passionate about the environment, love interdisciplinary learning, and want to use the skills and knowledge you acquire at Duke to blaze new and better approaches to climate change and other environmental issues, these are the majors/minors for you.

The minor in Environmental Sciences and Policy allows students to demonstrate an environmental science knowledge in addition to their own major. The minor consists of five courses.

Academic Requirements

For related programs, visit:

- English Minor (U-ENGL-MIN)
- Environmental Sciences and Policy Minor (U-ENVS-MIN)
Academic Requirements
Five courses: two core courses (Environment 102 and Environment 201); the remaining three courses are selected from 200-level or above environment courses, which may include one substitution of a course in another department. Students with AP credit must select an additional environment course in place of Environment 102 to equal five courses.

Evolutionary Anthropology Minor
Program Code: U-EVAN-MIN
Plan Type: Minor
Department: Evolutionary Anthropology
Website: evolutionaryanthropology.duke.edu/undergraduate/degree-programs/minor

Program Summary
Evolutionary Anthropology is an interdisciplinary department centering on the origin and evolution of human beings and their close biological relatives. The department and its course offerings cover a variety of research areas including primate behavior, ecology, cognition and genetics; primate and human disease ecology; human genetics, energetics, and physiology; paleoanthropology; and functional and comparative anatomy. Opportunities for independent research exist in departmental laboratories, including the Canine Cognition Center and the Primate Locomotion Lab. Additional research opportunities can be found at the Duke Lemur Center and the Lemur Center’s Museum of Natural History.

Go to Programs by Department to view all related programs.

Academic Requirements
Evolutionary Anthropology 101 or 101D; one course in anatomy/paleoanthropology; one course in behavior/ecology/cognition; two elective courses numbered 200 or above in evolutionary anthropology. Approved courses for each of the above subfields are listed in the Handbook for Majors.

Financial Economics Minor
Program Code: U-ECOFIN-M
Plan Type: Minor
Department: Economics Department
Website: econ.duke.edu/undergraduate/minor/finance

Program Summary
Economics courses develop the critical and analytical skills essential for understanding economics and institutions, in both their contemporary and historical settings. Although no particular vocational or professional goal is emphasized, these courses provide the academic background necessary for positions in industry, for work in many branches of government service, for law school, and for graduate study in business administration, economics, and the social sciences.

Go to Programs by Department to view all related programs.

Academic Requirements
Economics 101D and Economics 201D. Economics 104D or Statistical Science 130 or Statistical Science 210 or Statistical Science 230/Mathematics 230 or Statistical Science 250/Mathematics 342D or Biomedical Engineering 244L; Mathematics 202 or Mathematics 212 or Mathematics 216 or Mathematics 219 or Mathematics 221 or Mathematics 222. Financial Economics 372 (FECON 372). Two additional electives to be selected from among the following: Financial Economics (FECON) at the 300 level or above, Financial Markets (FMKT) courses at the 200 level or above, Fintech 520, 533, 534, 536, 550, 552, 564 and Energy 620. A maximum of one transfer credit may be counted toward minor requirements.

French Studies Minor
Program Code: U-FREN-MIN
Plan Type: Minor
Department: Romance Studies Department
Website: romantestudies.duke.edu/content/french-studies-minor
**Program Summary**

Students minoring in French will acquire a considerable degree of competence in the written and spoken language as well as knowledge of the literature and culture of France and the French-speaking world.

The department offers a wide array of courses in language, literature, and culture, and strongly encourages interdisciplinary work in French through courses emphasizing the relation between literature, the arts, history, and society.

Go to Programs by Department to view all related programs.

**Study Abroad**

Students are strongly urged to study abroad since this is the best way to achieve language proficiency and to acquire knowledge of a country’s culture. Courses taken abroad count toward the core and/or related courses as follows:

- **Department-Administered Programs**
  - Duke-in-France. Minor: A maximum of two courses with French course numbers at or above the 300-level per semester may be counted.

- **Duke-Administered Summer Programs (Office of Study Abroad)**
  - Duke-in-Paris. Minor: Two courses may be counted toward the minor.
  - Duke-in-Provence. Minor: One course may be counted.

- **Non-Duke Administered Programs**
  - Minor: One course per semester may be counted.

**Academic Requirements**

The French studies minor requires a total of five courses from departmental French offerings, at least four of which are at the 300 level or above. French 204 may count toward this requirement depending on placement.

**Gender, Sexuality, and Feminist Studies Minor**

Program Code: U-GSF-MIN
Plan Type: Minor
Department: Gender, Sexuality, and Femin Stu
Website: gendersexualityfeminist.duke.edu/undergraduate/major-minors-requirements

**Program Summary**

The Program in Gender, Sexuality, and Feminist Studies at Duke University is dedicated to exploring gender identifications, relations, practices, theories, and institutions. In the field’s first decades, feminist scholarship reoriented traditional disciplines toward the study of women and gender and developed new methodologies and critical vocabularies that have made interdisciplinarity a key feature of women’s studies as an autonomous field. Today, scholars continue to explore the meaning and impact of identity as a primary, though by no means transhistorical or universal, way of organizing social life by pursuing an intersectional analysis of gender, race, sexuality, class, and nationality. In the classroom, as in research, the goal of the program is to transform the university’s organization of knowledge by reaching across the epistemological and methodological divisions of historical, political, philosophical, economic, representational, technological, and scientific analysis. Through a dual emphasis on interdisciplinarity and intersectionality, the program offers students new knowledge while equipping them with a wide range of analytical and methodological skills.

Many students identify gender, sexuality and feminist studies courses as among the most exciting and enlightening they take at Duke. The women and men who enroll in the program’s classes each semester gain the opportunity to understand how social, historical, and psychological forces, organized by the central concept of gender, shape them as individuals; attain a fuller understanding of human behavior, culture, and society made possible by investigating women’s lives; acquaint themselves with the experience of women of different economic classes, sexual orientations, and cultural and racial backgrounds; and transfer the critical and analytical skills they acquire in the study of gender and society to other classes, beyond the campus to other activities, and eventually to their professional careers.

Gender, sexuality, and feminist studies has, since its inception, been an interdisciplinary field. It has consistently assessed the strengths and challenges of such interdisciplinarity. Duke students find their background in women’s studies to be a valuable resource for their professional development and lifelong intellectual growth. Gender, sexuality, and feminist studies at Duke is a focal point within the university for the study of women, gender, and feminist theories—a structure that allows graduate students to address complex issues beyond their traditional disciplinary
and classroom boundaries and to explore problems in ways that connect theories and approaches of different disciplines. The Gender, Sexuality, and Feminist Studies Program serves students’ intellectual interests by offering credit courses, housing a variety of research projects, and implementing programs for diverse audiences. For additional information, visit the program website at gendersexualityfeminist.duke.edu.

Go to Programs by Department to view all related programs.

### Gender, Sexuality, and Feminist Studies Minor (U-GSF-MIN)

**Academic Requirements**

**Academic Requirements**

For the minor, students complete five courses. Gender, Sexuality, and Feminist Studies 199S (Thinking Gender: An Introduction to Feminist Theory) is required, along with two courses from the following:

- 360S. Feminism in Historical Context
- 361. Money, Sex, Power
- 361S. Money, Sex, Power
- 362. Gender and Popular Culture
- 362S. Gender and Popular Culture
- 363S. Interpreting Bodies: Identity and Beyond
- 364S. Race, Gender, and Sexuality
- 365. Gender and Political Theory
- 366S. Nature, Culture and Gender
- 367S. Feminist Ethics
- 368S. Gender, Sexuality and Human Rights
- 369S. Transnational Feminism
- 370S. Queer Theory
- 371S. Gender, Sexuality, and the Image

In addition, students choose two elective courses at or above the 200 level from other Gender, Sexuality, and Feminist Studies offerings. Students may also petition for credit for courses offered in other departments and programs, with clear documentation of their intellectual value to the overall goals of the major. Students may take no more than two independent study courses, which must be approved by the director of undergraduate studies.

### German Minor

**Program Code: U-GER-MIN**

**Plan Type: Minor**

**Department: German Studies**

**Website:** german.duke.edu/undergraduate/major-minor

**Program Summary**

Students majoring in German develop language skills, become knowledgeable about the literature and culture of German-speaking areas, and acquire analytic and interpretive abilities. The combination of language skills with the ability to navigate across cultures is excellent preparation for a variety of professions in business, government, engineering, law, education, and academia. Double (second) majors are also encouraged and supported. Numerous opportunities are available, including Global Education programs, interdepartmental majors, Fulbright and German Academic Exchange Service (DAAD) scholarships, independent research and independent studies, and internships, both before and after graduation. Students interested in a major should consult the director of undergraduate studies.

Go to Programs by Department to view all related programs.

**Academic Requirements**

**Academic Requirements**

Five one-credit departmental courses taught at the 200 level or above, including crosslisted courses and courses taught in the Duke-in-Berlin program. Direct enrollment classes taken in the Duke-in-Berlin program count as well. Four out of five of these courses must be taught in German.

Note: All Duke-in-Berlin courses taught in German at the 200 level or above, semester and summer, may count toward the major and minor as courses taught in German. Half-credit courses may count toward the total number of credits required for graduation; however, they do not count toward the minor.

**Global Cultural Studies in the Literature Program Minor**
Duke University

Program Code: U-LIT-MIN
Plan Type: Minor
Department: Global Cultural Studies in the Literature Program
Website: literature.duke.edu/undergraduate/minor

Program Summary
The Global Cultural Studies Minor of the Program in Literature offers Duke students an opportunity to complement their major field of concentration—whether it be computer science, environmental studies, economics, music, or mathematics—with a suite of courses designed to thematize the larger cultural contexts of their scholarly interests.

Go to Programs by Department to view all related programs.

Academic Requirements

Academic Requirements
The minor in Global Cultural Studies is composed of five courses. All minors are required to take a gateway course (LIT 201) as well as three core courses distributed across at least two of the three domains of humanistic inquiry as defined in the description of our major (Experience, Interpretation, Medium) and taught by faculty holding appointments in Literature, and one elective determined as eligible per DUS review. For more information, visit literature.duke.edu.

Global Health Minor
Program Code: U-GLHL-MIN
Plan Type: Minor
Department: Global Health
Website: globalhealth.duke.edu/programs/undergraduate-programs

Program Summary
Global health is an area of study, research, and practice that emphasizes achieving health equity for all people worldwide. Global health involves myriad disciplines, incorporates population-based approaches and individual level clinical care, promotes interdisciplinary collaboration, and emphasizes transnational health issues and determinants. The Program in Global Health incorporates knowledge from academic disciplines—within the sciences, social sciences and humanities—to best address the complexity of global health challenges.

Go to Programs by Department to view all related programs.

Academic Requirements

Academic Requirements
Students pursuing a minor in global health must complete the following five course requirements:

- Gateway: Global Health 101 (Fundamentals of Global Health)
- Ethics: Choose from:
  - Global Health 210 (Global Health Ethics)
  - Global Health 341 (Ethics of Infectious Disease Control)
  - Global Health 373 (Global Health Service, Research, Ethics)
  - Global Health 241 (Global Bioethics)
- Three electives in Global Health. Students must complete three global health courses. Cross-listed courses are acceptable, but courses taken Satisfactory/Unsatisfactory and Advanced Placement credits do not count toward the minor. Electives must meet the following requirements:
  - course must include a Global Health offering (either owned or cross-listed);
  - only one 1.0-credit independent study or Bass Connection course (Global Health 391, 392, 393, 395(T), or 396(T)) is allowed per student; and
  - a maximum of 2.0 credits of preapproved study abroad or transfer credit courses are allowed per student.

Greek Minor
Program Code: U-GRK-MIN
Plan Type: Minor
Department: Classical Studies Department
Website: classicalstudies.duke.edu/undergraduate/minors
Program Summary
Courses in the Department of Classical Studies offer the chance to bring to life the past of ancient Greece and Rome, through exploration of their languages, literature, history, philosophy, art, material culture, and more. The department offers courses in Latin, Greek, and classical studies; two majors (classical languages and classical civilization); and four minors (Greek, Latin, classical civilizations, and classical archaeology). This rich field of study invites serious engagement with the complexity of the past and evaluation of its place in the present. In grappling with the classical pasts, students develop the tools and habits for thinking critically across space, time, culture, and disciplinary boundaries.

Go to Programs by Department to view all related programs.

Greek Minor (U-GRK-MIN)

Academic Requirements

Academic Requirements
Five courses in ancient Greek. At least three of these must be taught by a primary or secondary member of the Department of Classical Studies, and at least three courses must be at or above the 250 level.

History Minor
Program Code: U-HIST-MIN
Plan Type: Minor
Department: History Department
Website: history.duke.edu/undergraduate/minor

Program Summary
The history minor allows students specializing in another department or program to enrich their studies with an historical perspective. History courses provide an opportunity to investigate the past, gain perspective on the present, and improve their critical faculties. History provides an integrating principle for the entire learning process, and students of history gain a sense of human development, an understanding of fundamental and lasting social processes, and a feeling for human interrelatedness. History courses train the mind by improving skills in the rigorous analysis of evidence as well as helping you to communicate effectively and with imagination. Those who graduate with a major or minor in history are to be found in all walks of life and all fields of the economy, society, and culture.

Go to Programs by Department to view all related programs.

History Minor (U-HIST-MIN)

Academic Requirements

Academic Requirements
A minimum of five history courses, at least three of which must be at the 200 level or above. One transfer credit and one cross-listed course originating in another department may be used to meet the requirements for a minor. Advanced Placement (AP) and International Baccalaureate (IB) credits cannot be used to fulfill your minor requirements.

Inequality Studies Minor
Program Code: U-HIST-INE
Plan Type: Minor
Department: History Department
Website: history.duke.edu/inequality-studies-minor

Program Summary
The Inequality Studies minor is a joint collaboration between the Samuel DuBois Cook Center on Social Equity and the Department of History. The minor is a way for students to advance their understanding of the causes and consequences of inequality and pursue research around issues of social equity across a range of social science methods. The minor can be completed independent of, or alongside, a major in History. Inequality Studies minors, in fact, come from across departments in both the sciences and humanities.

Inequality Studies Minor (U-HIST-INE)

Academic Requirements

Academic Requirements
Requirements: 6 courses

Core Courses
HISTORY 288: History of Inequality
HISTORY 323: Methods in Inequality Studies
PUBPOL 435/645: Global Inequality Research Initiative

Electives
- History Gateway course, typically listed between 160–180 with inequality themes
- History course at the 200-level or above with inequality themes
- History course at the 300-level or above with inequality themes

A full list of History courses that count towards the minor can be found on the History departmental website. Requests for additional courses to go on this list should go to the History DUS and the Director of the Minor.

Additional Information
- For History majors who want to minor in Inequality Studies, three minor electives are allowed to overlap with the requirements for the major.
- Courses taken pass/fail and AP credits do not count toward the minor.
- Questions? Email the Director of the Inequality Studies Minor, Adam Hollowell.

Italian Studies Minor
Program Code: U-ITAL-MIN
Plan Type: Minor
Department: Romance Studies Department
Website: romances.tudies.duke.edu/undergraduate/minors/italian-studies

Program Summary
Students minoring in Italian develop language skills in their social and cultural contexts.

Study Abroad
Students are strongly urged to study abroad since this is the best way to achieve language proficiency and to acquire knowledge of a country’s culture. Courses taken abroad count toward the core and/or related courses as follows:

- Duke-Administered Semester Programs in English (Duke in Florence; Duke in Venice)
  - Minor: A maximum of one course may be counted toward the core-course requirement.
- Duke-Administered Summer Programs in the language (Duke in Bologna)
  - Minor: Two courses may be counted.
- Duke-Administered Summer Programs in English (Duke in Venice)
  - Minor: One course may be counted toward the core-course requirement.
- Non-Duke-Administered Semester Programs in Italy (All courses taught entirely in Italian)
  - Minor: A maximum of two courses per semester may be counted.
- Non-Duke-Administered Semester Programs in Italy where not all courses are taught in Italian
  - Minor: A maximum of one course per semester may be counted.
- Non-Duke-Administered Summer Programs (Courses taught in Italian)
  - Minor: One course may be counted.

Academic Requirements

A total of six courses from departmental Italian offerings, three of which must be taught in Italian or taken concurrently with a preceptorial (P) component or the Italian 370T tutorial, and must include at least one course in one of the following areas: Medieval, Renaissance, Modern/Contemporary, Linguistics. Two courses in Italian below the 300 level may be counted (restricted to Italian 203, 204, and 213A). Duke-approved courses taught in Italian in study abroad programs may also count toward this minor concentration. Majors and minors are also encouraged to take advantage of 500-600 level course offerings.

Journalism and Media Minor
Program Code: U-JAM-MIN
Plan Type: Minor
Department: DeWitt Wallace Center for Media & Democracy
Program Summary
The Journalism and Media minor is administered by the DeWitt Wallace Center for Media & Democracy in the Sanford School of Public Policy. The minor is a way for students interested in the intersection of media, journalism, and democracy to advance their understanding of the increasingly complex and ever-evolving media and information environment and ways in which this environment is affecting politics, culture, and public policy. The minor provides professional and analytical skills for students interested in journalism-related career paths, as well as for students interested in career paths related to media, technology, public affairs, and public policy. The minor can be completed independent of or alongside a major in Public Policy. Journalism and Media Studies minors come from across departments in both the sciences and humanities.

Academic Requirements
The JAM minor requires six courses, including 3 required courses and 3 electives. The minor also requires a media, journalism, and democracy-related internship.

Introductory Skills Course (1 of 3 required):
- Newswriting and Reporting
- Video Journalism
- Longform Journalism

Ethics Course (required):
- News as a Moral Battleground

Capstone course (required):
- Final Journalism & Media Studies project course (completed or concurrent internship approved by the JAM director of undergraduate studies required)

Electives (3 required)
Students must complete three JAM or PJMS courses, or any courses from other subject areas that are approved for the JAM minor. Study abroad or transfer credit courses will also be allowed with the approval of the JAM director of undergraduate studies.

Internship (required)
All students must complete an eight-week media, journalism, and democracy-related internship, approved by the JAM director of undergraduate studies.

Latin Minor
Program Code: U-LAT-MIN
Plan Type: Minor
Department: Classical Studies Department
Website: classicalstudies.duke.edu/undergraduate/minors

Program Summary
Courses in the Department of Classical Studies offer the chance to bring to life the past of ancient Greece and Rome, through exploration of their languages, literature, history, philosophy, art, material culture, and more. The department offers courses in Latin, Greek, and classical studies; two majors (classical languages and classical civilization); and four minors (Greek, Latin, classical civilizations, and classical archaeology). This rich field of study invites serious engagement with the complexity of the past and evaluation of its place in the present. In grappling with the classical pasts, students develop the tools and habits for thinking critically across space, time, culture, and disciplinary boundaries.

Academic Requirements
Five courses in Latin. At least three of these must be taught by a primary or secondary member of the Department of Classical Studies, and at least three courses must be at or above the 250 level.
Linguistics Minor
Program Code: U-LING-MIN
Plan Type: Minor
Department: Linguistics Department
Website: linguisticsprogram.duke.edu/minor

Program Summary
From the earliest philosophers to modern neuroscientists, researchers from a wide range of disciplines have explored a diverse range of issues concerning the human capacity for language and the diversity of the world’s languages. Linguists work at the intersection of these issues and define linguistics as the science of language and languages. During the past 150 years, linguists have developed a variety of theoretical paradigms to describe and explain language history, dialect variation, cross-cultural similarities and differences, the neurological processing and production of language, and the evolutionary emergence of language.

Go to Programs by Department to view all related programs.

Academic Requirements

Five courses in linguistics, three of which must be at the 200 level or above. Usually, two of these courses are Linguistics 201 and Linguistics 202.

Machine Learning and Artificial Intelligence Minor
Program Code: U-ECE-MLAI
Plan Type: Minor
Department: Pratt School of Engineering, Electrical & Computer Engineering Department
Website: ece.duke.edu/undergrad/degrees/minor/ml-ai

Program Summary
The Minor in Machine Learning & Artificial Intelligence provides undergraduates with an understanding of the core concepts of ML and AI, as well as a rigorous and coherent exposure to both fundamental theories and applications.

The Minor in Machine Learning & Artificial Intelligence requires the completion of a minimum of five (5) technical courses.

This education offering is an outgrowth of Duke ECE’s global research leadership in AI and machine learning.

Go to Programs by Department to view all related programs.

Academic Requirements

Fundamental Courses

Required

- Intermediate Machine Learning & Artificial Intelligence course—ECE 682D/CS 571D/STA 561D or ECE 687D/CS 671D/STA 671D

Upper-Level Focus Courses

Choose two (2)

- ECE 585: Signal Detection and Extraction Theory
- ECE 588: Image & Video Processing
- ECE 661: Computer Engineering Machine Learning & Deep Neural Networks
- ECE 684: Natural Language Processing
- ECE 685D: Deep Learning
- COMPSCI 527: Computer Vision
- MATH 412: Topological Data Analysis
- MATH 465/COMPSCI 445: Introduction to High Dimensional Data Analysis
- STA 340: Introduction to Statistical Decision Analysis
- STA 360: Bayesian Inference and Modern Statistical Methods
Duke University

- ECE 590: Special Topics courses on machine learning and artificial intelligence topics (with DUS approval)

Important Notes
- Courses that are used to fulfill the student’s primary major may not be double-counted toward the minor
- Courses with content substantially equivalent to courses in the student’s primary major may not be counted toward the minor
- Students with credit for any of the Fundamental Courses (e.g., exact or equivalent course taken to satisfy a requirement of the primary major) may substitute additional Upper-Level Focus courses from the approved list above. The Director of Undergraduate Studies in ECE must approve such exceptions.
- At most, one Independent Study course (approved the DUS in ECE) may be used to fulfill one of the upper-level elective requirements.

Prerequisites
It is expected that a student pursuing a Minor in Machine Learning & Artificial Intelligence will satisfy all prerequisites for each course selected for their minor program.

This will typically involve completion of courses in Math, Statistics, and Computer Science, which are prerequisites for the fundamental and elective courses.

Specifically, the following prerequisite knowledge is assumed:
- Mid-level programming course (e.g., COMPSCI 201)
- Linear algebra (e.g., MATH 216, 218, 221)
- Introductory statistics (e.g., EGR 238L, ECE 380, ECE 555, STA/MATH 230, Stat 240L)

Exceptions may be granted by the Director of Undergraduate Studies in ECE, for example, if a student’s preparation is deemed equivalent to the prerequisite.

Marine Science and Conservation Minor
Program Code: U-MSC-MIN
Plan Type: Minor
Department: Marine Science & Conservation
Website: nicholas.duke.edu/academics/undergraduate-programs/marine-science-conservation

Program Summary
The Marine Science and Conservation majors and minor are offered through the Division of Marine Science and Conservation in the Nicholas School of the Environment. The majority of the Division of Marine Science and Conservation faculty are resident at the Marine Laboratory in Beaufort, NC. Additional courses in marine science are offered in the Trinity College of Arts and Sciences and in the Divisions of Environmental Science and Policy and Earth and Climate Science in the Nicholas School of the Environment, and the Pratt School of Engineering.

The Duke University Marine Lab provides students with a unique experiential opportunity to live and study in Beaufort for a full academic semester (fall or spring) or during two summer terms. The program emphasizes small class sizes, independent research projects, and integrated classroom, laboratory, and field experiences. Students have daily access to the surrounding marine environment and to modern scientific equipment including a shared-use molecular laboratory, and the Marine Robotics and Remote Sensing (MARSS) Lab.

Residential undergraduate courses are offered year-round (fall, spring, and summer sessions I and II) at the Duke Marine Lab. Fall and spring courses include travel courses which offer students opportunities for extended travel with Duke faculty to Mexico, Puerto Rico, Singapore, the US Virgin Islands, or other domestic or international locations. Small class size and an island setting facilitate rewarding student-faculty interactions.

Go to Programs by Department to view all related programs.

Academic Requirements

Academic Requirements
Five courses, consisting of one gateway course, Future of the Oceans (MARSCI 201). A choice of any one of the three core courses, Marine Biology and Ecology (MARSCI 202), Marine Social Science (MARSCI 203), and Integrative Oceanography (MARSCI 204) and three Marine Science and Conservation courses at the 200-level or greater. Only one independent study with MARSCI faculty can be used toward the minor. A maximum of one non-MARSCI Duke course can be used toward the minor.

Mathematics Minor
Program Code: U-MATH-MIN
Plan Type: Minor
Department: Mathematics Department
Program Summary
The director of undergraduate studies can be consulted for additional information and advice on course selection. The Handbook for Mathematics Majors and Minors, published by the department, can be used as a guide in developing a coherent program of study consistent with professional goals.

Academic Requirements
Prerequisites. Mathematics 212 or 222 or the equivalent
Requirements. Five courses in mathematics numbered above 212, other than 222, to include at least one course (or its equivalent) from the following: Mathematics 230, 333, 361S, 401, 411, 421, 431, 451S, 487, or any Mathematics course at the 500 or 600 level.

Medical Sociology Minor
Program Code: U-MEDSOC-M
Plan Type: Minor
Department: Sociology Department
Website: sociology.duke.edu/undergraduate/minors

Program Summary
Medical sociology is the study of social and cultural causes and consequences of health and illness. Major areas of investigation include doctor/patient relationships, the unequal distribution of health, cross-cultural understandings of well-being, the socioeconomics of healthcare, and public health policies. The medical sociology minor prepares students for careers in medicine, research, and public health, as well as the behavioral and social science portions of the Medical College Admission Test (MCAT).

Academic Requirements
Students are required to take one foundation course: SOCIOL 250 or SOCIOL 361. Additionally, students take four electives chosen from SOCIOL 196FS, SOCIOL 212, SOCIOL 230S, SOCIOL 250, SOCIOL 255, SOCIOL 257, SOCIOL 264, SOCIOL 265, SOCIOL 271, SOCIOL 349, SOCIOL 351, SOCIOL 361, and SOCIOL 364S. Special topics courses (SOCIOL 290S or 490S) and independent studies (SOCIOL 291 or 293) may count as electives if the topic is related to medical sociology and approved by the director of undergraduate studies.

Medieval and Renaissance Studies Minor
Program Code: U-MDVL-MIN
Plan Type: Minor
Department: Medieval and Renaissance Studies Program
Website: cmrs.trinity.duke.edu/undergraduate/major-and-minor

Program Summary
The Program in Medieval and Renaissance Studies is designed to provide the student with a well-rounded understanding of the historical, cultural, and social forces that shaped the medieval and Renaissance periods. The program is divided into four areas of study: fine arts (art and music); history; language and literature (English, French, German, Greek, Italian, Latin, and Spanish); and philosophy and religion.

Academic Requirements
Five courses, two of which must be Medieval and Renaissance Studies Focus Program courses or courses designated as Medieval Cultures and Renaissance Cultures. The three remaining courses may be taken in any distribution suiting the student’s interests in consultation with a Medieval and Renaissance Studies advisor.
The following courses are taken in distributions across four areas of study. Some of these courses are available in more than one study area. Cross-listed courses may count toward the major or minor in both Medieval and Renaissance Studies and in the cross-listed departments or programs.

**Area 1: Fine Arts**


**Area 2: History**


**Area 3: Language and Literature**


**Area 4: Philosophy and Religious Studies**


**Additional Topics and Seminar Courses**

The following topics courses are taught in various disciplines and vary from semester to semester. They may be taken in any of the above four study areas depending on the nature of their subjects. Students need to consult with a Medieval and Renaissance Studies advisor to determine how any one of these courses may be distributed: 89S, 190A, 190S, 291, 293, 390, 390A, 390S, 491, 493, 590, 590S.

**Music Minor**

Program Code: U-MUS-MIN
Plan Type: Minor
Department: Music Department
Website: music.duke.edu/undergraduate/minor

**Program Summary**

Music is among the most ancient of human pursuits and has long been viewed as a crucial part of education. As a discipline, it has its own logic and grammar in the understanding of which the mind is stretched and tested. Students at Duke encounter a variety of approaches to music that encompass the many ways that we create, perform, and comprehend it.

The Minor I: Score-focused serves students who are engaged in music making, widely and broadly conceived, or who are invested listeners and would like to develop their critical thinking about music, improve their listening and analytical skills, expose themselves to a range of practices, styles, and ideas about music, and explore avenues towards the professional world of music. Music Minor I: Score-focused is designed to complement Music Minor II: Listening-focused which caters to students who are focused on aural practices. For Music Minor I, students will pursue aspects of theory, history, and performance, and supplement with courses in their field of interest. Reading music notation is a requirement for Minor I.

Courses fall into three broad categories: theory and composition, literature, history, and ethnomusicology, and applied music (performance). Within these are included many kinds of instruction, such as lessons in performance and composition; theory; history and literature lectures and seminars; electronic music classes; ensembles; practical laboratory work (such as ear-training or Listening Lab), coaching sessions in chamber music; and classes in improvisation. Students’ musical activity can vary widely across the spectrum. Almost every student has some personal involvement with music, and the courses aim to further that involvement, whether it is a simple hobby or a compelling interest.

Go to Programs by Department to view all related programs.

**Graduation with Distinction in Music Performance for Non-Majors**

Candidates for distinction in music performance for non-majors apply to the Director of Undergraduate Studies by April 1 of their junior year and are admitted to the program by a faculty committee (the thesis advisor must be a regular rank Music department faculty member) on the basis of recent live recordings. During the senior year the student will enroll in Music 401 (Advanced Study in Performance) both semesters. A distinction in musical performance project consists of (a) a full recital supported by a high-quality audio or video recording as documentation of the event; and (b) a written component, either in the form of an analytical paper or another organized commentary on the recital. One semester of research independent study (Music 393) is required in preparation of the written component. To be awarded distinction a student must maintain a GPA of 3.5 in the core music department courses, and a 3.3 GPA overall. For more information, consult the music department website at music.duke.edu/undergraduate/graduation-with-distinction.

**Academic Requirements**
Academic Requirements

A minimum of 5.5 course credits is required for the score-focused minor, of which at least 3.0 full course credits must be above the 213 level.

- Music 261 Theory and Practice of Tonal Music I
- One course in music history, selected from the following:
  - Music 255S Music History I: Antiquity through Renaissance
  - Music 256S Music History II: 1600 through Mozart
  - Music 257 Music History III: Beethoven through WWI
  - Music 258 Music History IV: Post-WWI through the Present
- Two semester courses in performance from among:
  - Music 101-108, 203-213 (excluding 210-3). These courses cover classical or jazz piano, organ, harpsichord, violin, cello, string bass, classical or jazz guitar, harp, flute, oboe, clarinet, bassoon, saxophone, trumpet, French horn, trombone, tuba, percussions, djembe, voice, and some ensembles.
  - Music 318 Instrumental Conducting
  - Music 319 Choral Conducting
  - Music 401 Advanced Study in Musical Performance
  - Music 418 Advanced Study in Conducting
- Three elective courses, two must be above the level of Music 213. Music 120, 121, 129S, 130, 137, 140, 141, 143, 144, 146, 147, 161, 161-2, 162S, 163L, 190S, and Music courses numbered above 213 may count as an elective toward the minor.

For a list of Music courses offered, refer to music.duke.edu/courses.

Students majoring or minoring in Music MUST complete the core requirements for a letter grade. S/U grading will NOT count toward the completion of the Music major or minor.

Waiver of Music Minor Requirements

A request for waiver of any requirement for the music major or the music minor, together with supporting documentation where appropriate, should be submitted to the Director of Undergraduate Studies (DUS).

After reviewing the request, the DUS may decide that the student needs to take a departmental examination in the area before a final decision can be made. Waived courses earn no credit towards the 34-course graduation requirement, nor will grades for them appear on your transcript.

Music Listening-Focused Minor

Program Code: U-MUSL-MIN
Plan Type: Minor
Department: Music Department
Website: music.duke.edu/minor-music-listening-focused

Program Summary

Music is among the most ancient of human pursuits and has long been viewed as a crucial part of education. As a discipline, it has its own logic and grammar in the understanding of which the mind is stretched and tested. Students at Duke encounter a variety of approaches to music that encompass the many ways that we create, perform, and comprehend it.

The Music Minor II: Listening-focused hopes to serve students who are engaged in music making, widely and broadly conceived, or who are invested listeners and would like to develop their critical thinking about music, improve their listening skills, expose themselves to a range of sounds and ideas about music, and explore avenues towards the professional world of musical entertainment. Music Minor II: Listening-focused is designed to complement Music Minor I: Score-focused which caters to students who read music notation. For Music Minor II, students may draw on Duke’s student-initiated music-making opportunities, Durham’s music offerings, or the Department’s ensembles and lessons. Reading music notation is not a requirement for Minor II. However, Minor II is also available to students with notation skills who wish to expand the scope of their knowledge beyond their particular canonical expertise or to put their interests in dialogue with other musical histories or styles.

Attending to music – playing together, listening, dancing, talking – is a major preoccupation of student social life. Minor II accommodates students’ diverse musical interests and skills.

Go to Programs by Department to view all related programs.

Music Listening-Focused Minor (U-MUSL-MIN)

Academic Requirements

A minimum of 5.5 course credits are required for the Listening-focused minor, of which at least 1.0 full academic course must be above MUSIC 213.

The listening-focused minor requires:

- Music Listening-Focused Minor (U-MUSL-MIN)
MUSIC 163L Listening Lab (1.0 credit)
A “course cluster” consisting of four full-credit electives (at least 1.0 full academic course must be above MUSIC 213 [MUSIC 401 excluded])
Two semesters of Artistic Practice Workshop, taken concurrently with an approved artistic practice (ensembles, lessons, sound production, composition, other) (0.25 credits per semester)

Options to fulfill the artistic practice requirement include:
1. participation in an existing music department ensemble, an active campus ensemble or band, or a community-based music group;
2. cultivation of artistic knowledge, such as beat making, studio production, composition classes, or applied music lessons.

All students must participate in some form of ensemble. Therefore, a student who chooses Option 2 must also participate in an ensemble for at least one semester.

Students majoring or minoring in Music MUST complete the core requirements for a letter grade. S/U grading will NOT count toward the completion of the Music major or minor.

Waiver of Music Minor Requirements
A request for waiver of any requirement for the music major or the music minor, together with supporting documentation where appropriate, should be submitted to the Director of Undergraduate Studies.

After reviewing the request, the DUS may decide that the student needs to take a departmental examination in the area before a final decision can be made. Waived courses earn no credit towards the 34-course graduation requirement, nor will grades for them appear on your transcript.

Musical Theater Minor
Program Code: U-MUSTHE-M
Plan Type: Minor
Department: Theater Studies
Website: theaterstudies.duke.edu/academics/major

Program Summary
The Department of Theater Studies offers students a variety of opportunities to study and practice theater, combining respect for history with immersion in contemporary issues, and intellectual engagement with creative expression. The faculty views theater as a form of human expression, shaped by social, economic, technological, personal, and artistic forces.

The musical theater minor is offered to students specifically interested in developing artistic and critical skills in the field of musical theater. Courses are offered that focus on performing, writing, and directing musical theater—as well as on the history and theory of the genre.

Go to Programs by Department to view all related programs.
Academic Requirements

A total of five courses are required for the minor, and students must earn grades of C- or above in all courses that count for the minor.

- Theater Studies 209 (How Musicals Work)
- Theater Studies 125S (American Musicals)
- Two required courses in practice, which may be chosen from the following courses:
  - Theater Studies 211 (Musical Theater Workshop: Performance)
  - Theater Studies 212 (Musical Theater Workshop: Creation)
  - Theater Studies 215 (The Singing Actor)
  - Theater Studies 241 (Cabaret Workshop)
  - Theater Studies 255S (Directing)
  - Theater Studies 347S (The Moving and Sounding Body)
- One additional course at or above the 100-level, which may be an additional course in practice or an academic seminar on a topic related to musical theater

Neuroscience Minor

Program Code: U-NEUR-MIN
Plan Type: Minor
Department: Neuroscience
Website: psychandneuro.duke.edu/undergraduate/neuroscience/requirements

Program Summary

Like the inner workings of the brain itself, neuroscience synthesizes discovery from diverse sources of knowledge. The undergraduate curriculum in neuroscience reflects this interdisciplinary perspective and challenges students to explore knowledge across levels of analysis: from the molecular and cellular level, through the level of neural circuits within which cells are organized and interconnected, and toward the level of
behavior where the functions of neural circuits and systems, including human cognition, are manifested. A comprehensive understanding of neuroscience requires knowledge of each level and integrative learning across levels.

The principal strength of this program is that it provides rich opportunities for undergraduate students to study brain science with faculty from diverse disciplines who bring their complementary perspectives and expertise to the classroom and laboratory. Thus, the undergraduate curriculum in neuroscience is truly a joint, interdisciplinary major/minor that draws faculty and courses from several departments, chiefly the Department of Psychology in the Trinity College of Arts & Sciences. Students may also elect to pursue faculty-mentored research and scholarship wherever brain science discovery happens at Duke. Indeed, the broad impact of neuroscience discovery now extends beyond the academic disciplines in the natural sciences to spaces where neuroscientists collaborate and regularly interact with experts in ethics, law, business, social sciences, philosophy, engineering, the fine arts and performing arts, and the humanities. Accordingly, our neuroscience curriculum reflects this broad interdisciplinary platform for discovery and learning, with a rich offering of coursework and experiences that reflect the exciting growth of neuroscience and its increasing relevance to human flourishing, the diverse challenges facing society, and the health and wellness of all life.

Go to Programs by Department to view all related programs.

Neuroscience Minor (U-NEUR-MIN)

Academic Requirements

The minor in neuroscience for students at Trinity College requires a minimum of five neuroscience courses: one gateway course, one (or both) core courses, and three elective courses. Four of the courses must be 200-level or higher. Biomedical Engineering students pursuing a minor in neuroscience must take BME 301L/NEUROSCI 301L as one of their electives.

No more than two of the five courses required for the minor may be used to satisfy the requirements of another major, minor, or certificate.

Philosophy Minor (U-PHIL-MIN)

Program Code: U-PHIL-MIN
Plan Type: Minor
Department: Philosophy Department
Website: philosophy.duke.edu/undergraduate/major-minor

Program Summary

The undergraduate program in the Department of Philosophy acquaints students with the content and structure of philosophical theory in various areas. Classes encourage discussion so that students can engage actively in the philosophical examination of problems.

Course offerings fall into two general categories: the systematic and the historical. In a systematic treatment, the organization of a course reflects the problems presented by the subject matter of that course, as in logic, ethics, and metaphysics. Historical courses direct attention more to the order of development in the thought of a particular philosopher (Plato, Aristotle, Kant) or in a historical period. In all courses, reading of the works of philosophers acquaints the students with the important and influential contributions to the definition and solution of philosophical issues.

The problems raised in philosophy about various fields of the arts and sciences involve questions that these particular disciplines typically neglect. In consideration of such problems, students will acquire some understanding and perspective of the major areas of human intellectual endeavor. Philosophical comprehension is in this way an essential part of a complete education.

Philosophy provides a sound preparation for the demands of many professions. For example, the precision of argument and broad acquaintance with intellectual traditions emphasized in philosophy form an excellent basis for the study of law.

Go to Programs by Department to view all related programs.

Photography Minor (U-PHTG-MIN)

Program Code: U-PHTG-MIN
Plan Type: Minor
Department: Art & Art History Department
Website: aahvs.duke.edu/undergraduate/minors/photography

Program Summary

At least five courses, no more than two of which may be below the 200 level. No specific courses are required. All students who wish to pursue a minor are encouraged to seek advice from faculty members in the department.
Visual competence and media literacy are central to critical thinking in the twenty-first century. The historical study of art, architecture, and visual culture provides the understanding and the language necessary for analyzing images, objects, and buildings and for recognizing and theorizing their social impact. The making of art develops the ability to think critically and visually, resolve spatial problems, and apply concepts to the creation of images, objects, multimedia installations, actions, and a variety of new socially interactive relations in culture. Visual studies enable understanding of the role of images in everything from the fine arts and the psychology of perception to popular culture and the media (advertising, television, photography, film, video, the Internet, and computer imagining), as well as in all professional and social contexts from the courtroom and hospital to the lecture hall and street.

Go to Programs by Department to view all related programs.

**Academic Requirements**

**Physics Minor**
Program Code: U-PHYS-MIN
Plan Type: Minor
Department: Physics Department
Website: physics.duke.edu/undergraduate/physics-major-minor/minor

**Program Summary**
The undergraduate program in physics gives you an opportunity to explore how modern science is unraveling some of the mysteries that have held humankind in awe since the earliest of times. It is designed to acquaint you with the fundamental aspects of our description of nature and to develop analytic and laboratory skills.

The physics minor is intended as a pathway for students to build educational depth in physics as a broad field or in subdiscipline as a way to augment another major.

Go to Programs by Department to view all related programs.

**Academic Requirements**

**Polish Minor**
Program Code: U-POLISH-M
Plan Type: Minor
Department: Slavic and Eurasian Studies
Website: slaviceurasian.duke.edu/undergraduate/minor/polish-culture-language

**Program Summary**
The Department of Slavic and Eurasian Studies has a strong commitment to increasing the language proficiency of its students regardless of their level at matriculation, to facilitate deep knowledge of the cultural context of each language represented, to help students develop their own scholarly interests and research abilities, and to acquaint students with trends in literary, linguistic, and cultural theory. Areas of specialization include nineteenth- and twentieth-century Russian and Soviet literature, Polish language and literature, semiotics, gender studies, film and media studies, legal and business Russian language, translation, Slavic linguistics, contemporary Russian and Polish literature, scientific and scholarly Russian language, stylistics, and Russian and Polish cultural history. Languages taught include Russian, Polish, and Romanian.

Resources for study include a state-of-the-art language laboratory with video facilities and a humanities computing facility, reception of daily Russian television programming, and an exchange program with St. Petersburg University. The department offers several Focus seminars and maintains a cooperative relationship with Duke programs in Linguistics, Global Cultural Studies in Literature, Gender, Sexuality, and Feminist Studies, and Cultural Anthropology; the Center for Slavic, Eurasian, and East European Studies; and related programs at The University of North Carolina at Chapel Hill.
Academic Requirements

Five courses, three of which must be at the 200 level or above. At least two of these courses must be Polish language courses.

Political Science Minor

Program Code: U-POLI-MIN
Plan Type: Minor
Department: Political Science Department
Website: polisci.duke.edu/undergraduate/offerings/requirements

Program Summary

Courses in political science for undergraduates are offered in six subfields: political institutions; political economy; security, peace and conflict; political behavior and identity; political methodology; and political philosophy. More information on courses and subfields is found at polisci.duke.edu/undergraduate.

Academic Requirements

A minimum of five courses in political science, at least two of which are at the 300 or higher level. Four courses must be Duke courses taught by a member of the Duke political science instructional staff, but one course may be a transfer course. However, in satisfying the minor, students in the Robertson Scholars Program may count, exclusive of the transfer course, one course taken at The University of North Carolina at Chapel Hill. Courses taken Satisfactory/Unsatisfactory and Advanced Placement courses do not satisfy course requirements for the minor.

Psychology Minor

Program Code: U-PSY-MIN
Plan Type: Minor
Department: Psychology Department
Website: psychandneuro.duke.edu/undergraduate/psychology/requirements

Program Summary

The study of behavior and its determinants lies at the heart of our understanding of numerous systems ranging from the biological to the economic and social. Psychology majors and minors apply their understanding of human behavior to varied professional fields including mental and physical health care, research, education, policy, law, finance, consulting, marketing, and business management. Understanding of psychological concepts is also helpful for fields relating to engineering and data analysis.

Academic Requirements

Five courses in psychology including Psychology 101 (Introductory Psychology) and at least two survey courses that cover major areas of the field. One of these survey courses must be Psychology 106/107 (Biological Bases of Behavior) or Psychology 102 (Cognitive Psychology), and one must either be Psychology 105 (Clinical Psychology and Mental Health), Psychology 103 (Developmental Psychology), or Psychology 104 (Social Psychology). At least one of the remaining courses must be beyond the survey level (i.e., above 107). However, students may not use introductory-level courses taken in Statistical Science to satisfy elective requirements for the psychology minor.

Religion Minor

Program Code: U-REL-MIN
Plan Type: Minor
Department: Religious Studies Department
Website: religiousstudies.duke.edu/undergraduate/minor
The Department of Religious Studies offers a broad selection of undergraduate courses to majors, minors, and all interested students on campus. The department engages in different aspects of the study of religion, using a variety of perspectives and methodologies. The major religious traditions of the world—Christianity, Islam, Judaism, Buddhism, Hinduism, Confucianism, and Taoism—are studied in the ways they manifest themselves in present-day societies and in their historical depth, examining their origins and sacred texts (often in the original languages) as well as their historical developments, rituals, artifacts, practices, material forms, and transformations over time. Beyond the study of individual religious traditions, theories, and definitions of religion are also explored. Courses numbered 100 through 199 include a survey or general courses; courses numbered 200 through 399 include courses on more specific aspects of religion or religious traditions.

The religious studies minor offers students specializing in another department or program the opportunity to enrich their studies by engaging in the consideration of religion.

Go to Programs by Department to view all related programs.

**Academic Requirements**

A minimum of five religious studies courses, at least one of which must be numbered 200 or above. Minors are encouraged to take RELIGION 101 (Introduction to Religious Studies). Only one approved study abroad course can count toward the minor. Only one Duke Divinity School course can count toward the minor, and that course cannot be equivalent to a course offered by the religious studies department. Students who wish to take Duke Divinity School courses should consult the director of undergraduate studies regarding credit toward the religious studies minor.

**Russian Minor**

Program Code: U-RUS-MIN

Plan Type: Minor

Department: Slavic and Eurasian Studies

Website: slaviceurasian.duke.edu/undergraduate/minor/russian-culture-language

**Program Summary**

The Department of Slavic and Eurasian Studies has a strong commitment to increasing the language proficiency of its students regardless of their level at matriculation, to facilitate deep knowledge of the cultural context of each language represented, to help students develop their own scholarly interests and research abilities, and to acquaint students with trends in literary, linguistic, and cultural theory. Areas of specialization include nineteenth- and twentieth-century Russian and Soviet literature, Polish language and literature, semiotics, gender studies, film and media studies, legal and business Russian language, translation, Slavic linguistics, contemporary Russian and Polish literature, scientific and scholarly Russian language, stylistics, and Russian and Polish cultural history. Languages taught include Russian, Polish, and Ukrainian.

Resources for study include a state-of-the-art language laboratory with video facilities and a humanities computing facility, reception of daily Russian television programming, and an exchange program with St. Petersburg University. The department offers several Focus seminars and maintains a cooperative relationship with Duke programs in Linguistics, Global Cultural Studies in Literature, Gender, Sexuality, and Feminist Studies, and Cultural Anthropology; the Center for Slavic, Eurasian and East European Studies; and related programs at The University of North Carolina at Chapel Hill.

Go to Programs by Department to view all related programs.

**Academic Requirements**

Five courses, three of which must be at the 200 level or above. At least two of these courses must be Russian language courses.

**Russian and East European Literature in Translation Minor**

Program Code: U-RLT-MIN

Plan Type: Minor

Department: Slavic and Eurasian Studies

Website: slaviceurasian.duke.edu/undergraduate/minor/russian-literature-translation

**Program Summary**
The Department of Slavic and Eurasian Studies has a strong commitment to increasing the language proficiency of its students regardless of their level at matriculation, to facilitate deep knowledge of the cultural context of each language represented, to help students develop their own scholarly interests and research abilities, and to acquaint students with trends in literary, linguistic, and cultural theory. Areas of specialization include nineteenth- and twentieth-century Russian and Soviet literature, Polish language and literature, semiotics, gender studies, film and media studies, legal and business Russian language, translation, Slavic linguistics, contemporary Russian and Polish literature, scientific and scholarly Russian language, stylistics, and Russian and Polish cultural history. Languages taught include Russian, Polish, and Ukrainian.

Resources for study include a state-of-the-art language laboratory with video facilities and a humanities computing facility, reception of daily Russian television programming, and an exchange program with St. Petersburg University. The department offers several Focus seminars and maintains a cooperative relationship with Duke programs in Linguistics, Global Cultural Studies in Literature, Gender, Sexuality, and Feminist Studies, and Cultural Anthropology; the Center for Slavic, Eurasian and East European Studies; and related programs at The University of North Carolina at Chapel Hill.

Go to Programs by Department to view all related programs.

Academic Requirements

Academic Requirements

Five courses, three of which must be at the 200 level or above.

Sexuality Studies Minor

Program Code: U-SXL-MIN
Plan Type: Minor
Department: Program in the Study of Sexualities
Website: gendersexualityfeminist.duke.edu/undergraduate/major-minors-requirements

Program Summary

The Program in Gender, Sexuality, and Feminist Studies at Duke University is dedicated to exploring gender identifications, relations, practices, theories, and institutions. In the field's first decades, feminist scholarship reoriented traditional disciplines toward the study of women and gender and developed new methodologies and critical vocabularies that have made interdisciplinarity a key feature of women's studies as an autonomous field. Today, scholars continue to explore the meaning and impact of identity as a primary, though by no means transhistorical or universal, way of organizing social life by pursuing an intersectional analysis of gender, race, sexuality, class, and nationality. In the classroom, as in research, the goal of the program is to transform the university's organization of knowledge by reaching across the epistemological and methodological divisions of historical, political, philosophical, economic, representational, technological, and scientific analysis. Through a dual emphasis on interdisciplinarity and intersectionality, the program offers students new knowledge while equipping them with a wide range of analytical and methodological skills.

Many students identify gender, sexuality and feminist studies courses as among the most exciting and enlightening they take at Duke. The women and men who enroll in the program's classes each semester gain the opportunity to understand how social, historical, and psychological forces, organized by the central concept of gender, shape them as individuals; attain a fuller understanding of human behavior, culture, and society made possible by investigating women's lives; acquaint themselves with the experience of women of different economic classes, sexual orientations, and cultural and racial backgrounds; and transfer the critical and analytical skills they acquire in the study of gender and society to other classes, beyond the campus to other activities, and eventually to their professional careers.

Gender, sexuality, and feminist studies have, since its inception, been an interdisciplinary field. It has consistently assessed the strengths and challenges of such interdisciplinarity. Duke students find their background in women's studies to be a valuable resource for their professional development and lifelong intellectual growth. Gender, sexuality, and feminist studies at Duke is a focal point within the university for the study of women, gender, and feminist theories—a structure that allows graduate students to address complex issues beyond their traditional disciplinary and classroom boundaries and to explore problems in ways that connect theories and approaches of different disciplines. The Gender, Sexuality, and Feminist Studies Program serves students' intellectual interests by offering credit courses, housing a variety of research projects, and implementing programs for diverse audiences. For additional information, visit the program website at gendersexualityfeminist.duke.edu.

Go to Programs by Department to view all related programs.

Academic Requirements

Academic Requirements

For the minor in sexuality studies, students complete five courses: the required Sexuality Studies 199S (Introduction to the Study of Sexualities) and four electives listed as SXL. Of the four electives, one must be a seminar at the 300 level or above. One of the following can count as an elective, with permission of the director of undergraduate studies: (a) an independent study, including thesis writing or research, on a topic focused on
sexuality studies; (b) a study abroad course with 50% or more focus on sexuality-studies themes; or (c) a relevant course offered by another unit (not cross-listed with SXL), with clear documentation of its intellectual value to the overall goals of the minor.

Sociology Minor
Program Code: U-SOC-MIN
Plan Type: Minor
Department: Sociology Department
Website: sociology.duke.edu/undergraduate/minors

Program Summary
Sociology is a field that uses scientific methods to answer questions about human behavior and society, such as: What impact does racial segregation have on students' educational outcomes? Who gets sick and why? How do social networks affect business profits? What are the social causes of criminal behavior? How can we harness big data to understand political divides? The department prides itself on creating an engaging curriculum that develops students' analytic and communication skills, provides in-depth knowledge of multiple research methods and substantive areas, and honed tools needed for a wide variety of professions. The department fosters active involvement in the learning process through seminars, fieldwork, independent study, and its Honors Program. Duke Sociology's signature strengths include race and inequality, medical sociology, organizational sociology, sociology of law, crime and justice, and computational social science.

Go to Programs by Department to view all related programs.

Academic Requirements

Students take five courses, four of which must be at or above the 200-level. Only one transfer credit and no Advanced Placement credits may count toward the minor. Students preparing for careers in medicine, business, and law may cluster their courses in one of the department's core areas of strength:

- Medical Sociology
- Sociology of Work and Organizations
- Sociology of Crime, Law, and Justice

Spanish Minor
Program Code: U-SPAN-MIN
Plan Type: Minor
Department: Romance Studies Department
Website: romancestudies.duke.edu/spanish-studies-minor

Program Summary
Did you know that Spanish is the second largest world language as a vehicle of international communication and the third as an international language of politics, economics and culture? Or that about 330 million people in the world speak Spanish as their first language? Or that Spanish is the official language in 21 countries and is expected to be the first language of 50% of the population of the United States within 50 years? Our department sponsors summer study abroad programs (Duke in Spain, Duke in Chile, Duke in Costa Rica, and Duke Intensive Spanish in Alicante) and one semester/year study abroad program (Duke in Madrid). We encourage students to plan early in order to attain an advanced level in Spanish and to work into their study plans the possibility of studying abroad in a Spanish-speaking country.

Go to Programs by Department to view all related programs.

Study Abroad

Students are strongly urged to study abroad since this is the best way to achieve language proficiency and to acquire knowledge of a country's culture. Courses taken abroad count toward the core and/or related courses as follows:

- **Department-Administered Programs**
  - **Duke in Madrid.** Minor: a maximum of two courses may be counted.
  - **Duke in Madrid-Intermediate.** Minor: Spanish 314A, Gastronomía de España, being equivalent to Spanish 204 and advanced 300 level, counts as one course.

- **Duke-Administered Summer Programs (Office of Study Abroad)**
  - **Duke in Chile.** Minor: Spanish 315A Language and Culture of Entrepreneurship in Latin America counts as one course credit.
  - **Duke in Costa Rica.** Minor: Spanish 306A, Language, Culture, and Health in Costa Rica counts as one course credit.
  - **Duke in Spain.** Minor: Spanish 439SA Global Spain counts as two course credits.
Non-Duke-Administered Semester Programs

Minor: One course per semester may be counted.

Non-Duke-Administered Summer Programs

Minor: One course may be counted.

Spanish Minor (U-SPAN-MIN)

Academic Requirements

A total of five courses from departmental Spanish offerings numbered 300 or above. Courses for the minor must include one survey course (Spanish 332, 333, 334, 335, 336) and at least two courses at the 400 level or above. All five courses must be taught in Spanish (but Spanish 336 or 490S-2 may substitute for one of the five FL courses).

Statistical Science Minor

Program Code: U-STA-MIN
Plan Type: Minor
Department: Statistical Science
Website: stat.duke.edu/undergraduate/minor

Program Summary

The Department of Statistical Science coordinates teaching and research in the statistical sciences at Duke University. In its teaching and research, the department's faculty members emphasize modern statistical methods involving computationally intensive stochastic modeling, coupled with interdisciplinary applications in many fields. The department also offers courses in basic statistical and data science methods and advanced mathematical statistics.

The minor is designed to provide students in other disciplines with opportunities for exposure and skill development in advanced statistical methods. These are useful for conducting research in applied subjects, and they are appealing to employers and graduate schools seeking students with quantitative skills. The minor is flexible, so that students from most majors can find a path to the minor that serves their needs. A maximum of two grades of D+, D, or D- can be counted toward the minor.

Go to Programs by Department to view all related programs.

Academic Requirements

Prerequisites. Mathematics 21 (or 111L), 122 (or 112L), and 212 (or 202).

Requirements. Statistical Science 240L/Mathematics 228L or Statistical Science 230/Mathematics 230 or Statistical Science 231/Mathematics 340; Statistical Science 432/Mathematics 343; Statistical Science 210. Two additional courses in Statistical Science at or above the 100 level, only one of which can be from 100 level.

Theater Studies Minor

Program Code: U-THEA-MIN
Plan Type: Minor
Department: Theater Studies
Website: theaterstudies.duke.edu/academics/major

Program Summary

The Department of Theater Studies offers students a variety of opportunities to study and practice theater, combining respect for history with immersion in contemporary issues, and intellectual engagement with creative expression. The faculty views theater as a form of human expression, shaped by social, economic, technological, personal, and artistic forces.

Courses are designed to offer minors and nonmajors the opportunity to deepen their understanding and appreciation of the theater. Guiding the work of the faculty is the belief that the theater is a collaborative art form that reaches out to other disciplines.

Courses in acting, directing, design, technical theater, dramatic literature, theater history, and performance studies are complemented by productions of plays, past and present. This combination of academic coursework and production experience is a hallmark of the department's approach.

Go to Programs by Department to view all related programs.

Theater Studies Minor (U-THEA-MIN)
Academic Requirements

Theater Studies 187S (Reading Theater) or 187A (Reading Theater in New York)
Four additional 100-level or above courses in theater studies

Visual and Media Studies Minor
Program Code: U-VIS-MIN
Plan Type: Minor
Department: Art & Art History Department
Website: aahvs.duke.edu/undergraduate/minors/visual-media-studies

Program Summary
Visual & Media Studies concerns all aspects of the production, circulation, and reception of visual images in culture, science, and society. Studies in visual culture engage you in the analysis of the effectiveness of the signs and symbols that give meaning to images, providing access to how visual meaning is socially, politically, and culturally constructed and received.

Visual Studies enable you to interpret the representations that shape the visual constructs of a particular society, to consider how systems of visual code differ from culture to culture, and think through how the symbolic constructions of life organize how one sees, understands, and participates in natural and social environments. Most importantly, establishing a clear connection between the theory and the practice of visuality is the foundation of Visual & Media Studies.

Go to Programs by Department to view all related programs.

Academic Requirements

Five courses to be distributed as follows: any three visual and media studies courses at the 200 level or above taught by faculty in AAHVS and any two visual and media studies electives in any cross-listed discipline previously approved for the visual and media studies major. Visual and Media Studies 202D is strongly encouraged. Two transfer courses may count toward the requirements for the minor; courses taken Satisfactory/Unsatisfactory or Advanced Placement credits do not count toward the minor.

Visual Arts Minor
Program Code: U-ARTV-MIN
Plan Type: Minor
Department: Art & Art History Department
Website: aahvs.duke.edu/undergraduate/minors/visual-arts

Program Summary
Studio art courses offer directed experiences in the practice of the visual arts, enhancing the understanding of art both within the history of culture and as an individual human achievement. Department offerings emphasize the analysis and articulation of visual concepts and processes as they relate to a broader education in the humanities and sciences.

Go to Programs by Department to view all related programs.

Academic Requirements

Five courses in visual arts at the 200 level or above. Two transfer courses may count toward the requirements for the minor; courses taken Satisfactory/Unsatisfactory or Advanced Placement credits do not count toward the minor.

Aerospace Engineering Certificate
Program Code: U-AEREGR-C
Plan Type: Certificate
Department: Pratt School of Engineering, Mechanical Engineering & Materials Science Department
Website: mems.duke.edu/undergrad/degrees/certificates
Program Summary
The objective of this multidisciplinary program is to educate students in the engineering principles related to the conceptualization, design, analysis, and performance of aerospace vehicles and systems. This certificate program is available only to students enrolled in the Pratt School of Engineering.

The certificate program focuses on upper class courses. All engineering undergraduates are eligible to participate in the program and qualify for certification. Mechanical engineering is the host department; however, there is flexibility for majors in other departments to meet the program standards while maintaining program focus and quality. Two courses already required for the primary major are permitted.

Go to Programs by Department to view all related programs.

Academic Requirements
Seven courses must be completed to earn the aerospace engineering certificate. All students are required to take the foundation course Aircraft Performance, plus at least one course from the core aerospace electives list (aerospace structures, aerodynamics, compressible flow) plus two supporting technical electives (can include relevant independent study). One upper-level Trinity College course from history or public policy involving the impact of technology on society, or an appropriate economics course.

Architectural Engineering Certificate
Program Code: U-ARC-C
Plan Type: Certificate
Department: Pratt School of Engineering, School of Engineering
Website: cee.duke.edu/undergrad/degrees/certificates/architectural-engineering

Program Summary
The objective of this interdisciplinary program is to provide students with an understanding of the relationships between the design elements of buildings and construction processes.

Go to Programs by Department to view all related programs.

Academic Requirements

Civil and Environmental Engineering 311 (Architectural Engineering I)
Civil and Environmental Engineering 411 (Architectural Engineering II)
Civil and Environmental Engineering 422L (Concrete and Composite Structures)
Civil and Environmental Engineering 423L (Metallic Structures)
Art History 285 or 285D (Modern Architecture) or Art History 286 or 286D (Contemporary Architecture)
One of the following elective courses:
  - Civil and Environmental Engineering 511 (Construction Management)
  - Visual Arts 515S (Representing Architecture: Means and Methods)
  - Environment 590 (Sustainable Cities and Urban Design)
  - Civil and Environmental Engineering 491 and 492 (Special Topics in Civil and Environmental Engineering). Topics for Civil and Environmental Engineering 491/492 must be appropriately related to architectural engineering and approved in advance by Certificate Director.
  - Civil and Environmental Engineering 421L (Matrix Structural Analysis) - only permitted for use in meeting certificate requirements for those students not enrolled in a Civil Engineering (Structures/Mechanics emphasis) degree program.
  - Engineering 201L (Mechanics of Solids) - only permitted for use in meeting certificate requirements for those students not enrolled in a Civil Engineering (Structures/Mechanics emphasis) degree program.

Child Policy Research Certificate
Program Code: U-CPRS-C
Plan Type: Certificate
Department: Child Policy Research
Website: childandfamilypolicy.duke.edu/education/child-policy-research-certificate
Program Summary
The goal of the certificate in child policy research is to provide undergraduates with the opportunity to engage in interdisciplinary inquiry to solve problems facing today’s children and families. Because of the complexity of these problems, the certificate allows students the opportunity to study issues by incorporating the perspectives of numerous disciplines, including psychology, sociology, public policy, economics, and education. The certificate emphasizes engagement in empirical research; each student will work closely with a faculty member to produce an original research paper. Examples of research topics that may be pursued with this certificate include social and economic inequalities in schooling, the pervasiveness of gang violence in high schools, or the long-term consequences of childhood obesity. The certificate program culminates in a capstone seminar, in which students build upon the research experience by exploring real-world implications and translating their scholarship to policy solutions.

Go to Programs by Department to view all related programs.

Academic Requirements

In order to complete the certificate, students must take six courses:

- the cornerstone course Child Policy Research 250S
- the capstone course Child Policy Research 495S (Multidisciplinary Approaches to Contemporary Children’s Issues)
- two electives
- one research course
- one methods course

The research course is an independent study: students may register for Child Policy Research 393 or for an independent study in public policy or another department. The research course requirement also may be fulfilled through completion of an honors thesis in the student's home department. The methods course can either be Child Policy Research 590S (Research Methods in Education Policy) cross-listed with Public Policy 590S or a methods course in the student's home department. Both the research course and the methods course must be approved by the certificate director. The two electives may be drawn from a list of pre-approved electives. Two courses that are counted toward this certificate may also be used to satisfy the requirements of any major, minor, or other certificate program. Three of the courses that count toward the certificate may originate in a single department or program. More information is available at childandfamilypolicy.duke.edu/students/child-policy-research-certificate. The certificate director is available to provide additional information and guidance. Contact katie.rosanbalm@duke.edu.

Electives
Students will choose two electives from the following list of pre-approved courses. Updated electives list are posted on the certificate’s quick links each semester. If a student wishes to take a course for certificate credit that is not on the pre-approved list, then the certificate director will decide on the appropriateness of that course on a case-by-case basis.

African & African American Studies
- 549S. Schooling and Social Stratification

Documentary Studies
- 202S. Children and the Experience of Illness

Education
- 240. Educational Psychology
- 243S. Children, Schools, and Society
- 321S. Infancy, Early Childhood, and Educational Programs
- 542S. Schooling and Social Stratification

Psychology
- 207. Child Clinical Psychology
- 239. Adolescence
- 240. Educational Psychology
- 304. Child Observation
- 325. Social Development from Childhood to Early Adulthood
- 436S. Clinical Interventions with Children and Families
- 438S. Children’s Peer Relations

Public Policy
Duke University

- 243S. Children, Schools, and Society
- 245. Promising Paradigms: Issues and Innovations in American Classrooms
- 395S. Children and the Experience of Illness
- 490S. Applied Collaborative Research on Early Childhood
- 542S. Schooling and Social Stratification
- 544S. Schools and Social Policy
- 563S. Making Social Policy
- 608. Economics of the Family

Sociology
- 210. Contemporary Social Problems
- 219. Juvenile Delinquency
- 225. Intimate Inequalities: The State of American Families
- 634S. Making Social Policy

Visual and Media Studies
- 211S. Children and the Experience of Illness

Decision Sciences Certificate

Program Code: U-DECSCI-C
Plan Type: Certificate
Department: Decision Sciences
Website: decisionsciences.trinity.duke.edu/overview

Program Summary
The Decision Sciences Certificate focuses on how humans make decisions in a variety of contexts, including economic, political, and social choices. If you are interested in behavioral economics, game theory, machine learning, or neuroeconomics, this certificate will provide an interdisciplinary appreciation of how these separate fields approach decision-making. This will enable communication and collaboration across disciplinary boundaries and will allow you to engage in research with a broader perspective than that provided by any single major.

The goal of the curriculum is to provide a shared methodological and substantive framework that will allow students to participate in the interdisciplinary study of decision-making. Our expectation, though, is that students will arrive from and return to different departments and conduct research in their home departments. The cohorts produced by the certificate will provide these students with support and criticism from a variety of perspectives, however, and the hope is that this will result in stronger student research.

Go to Programs by Department to view all related programs.

Academic Requirements

Academic Requirements

- Foundations
  - MATH 112L or AP credit
  - STA 101 or higher

- 1st Year (preferred) or 2nd Year
  - Gateway. DECSCI101: Fundamentals of Decision Science

- Interdisciplinary Methods
  - Applied Stats/Machine Learning: (choose 1)
    - STA 199
    - STA 210
    - COMPSCI 216
    - ECON 204D
  - Computer Science/Coding:
    - COMPSCI 101L
  - Game Theory: (choose 1)
    - DECSCI 201
    - ECON 201
    - POLSCI 631L
  - Neuroscience: (choose 1)
2nd or 3rd Year
- Integrated Modeling in Decision Sciences (choose 1)
  - COMPSCI 370D
  - ECON 368
  - ECON 462
  - NEUROSCI 258
  - NEUROSCI 382
  - NEUROSCI 462S
  - NEUROSCI 478S
  - PHIL 213

3rd Year
- Research Capstone. Students must complete an independent research project on a decision science topic via an independent study, honors in the major, DECSCI 401, or from their membership in a lab.

Digital Intelligence Certificate
Program Code: U-DQ-C
Plan Type: Certificate
Department: Science & Society
Website: scienceandsociety.duke.edu/learn/undergraduate-programs/ss-certificate/digital-intelligence

Program Summary
The Digital Intelligence Certificate is an undergraduate, interdisciplinary course of study that equips students to develop foundational knowledge in computational technologies and their relationship to society.

Go to Programs by Department to view all related programs.

Academic Requirements

Academic Requirements
The certificate is targeted at all Duke students. To complete the certificate students must take six courses in all:

- The core course (“Computing and Ethics”, SCISOC 256)
- Four elective courses from the following elective areas
  - Elective Area 1: Computational Thinking
  - Elective Area 2: Ethics and Policy
  - Elective Area 3: Representations, Translation & Communication
  - Elective Area 4: Computation in Practice
- A capstone course (“Digital Intelligence Capstone”, SCISOC 498S)

Together, the core and electives will provide students with a broad understanding of emerging computational and data technology as well as the policy and ethics issues they raise. The capstone course will provide students a way to integrate what they have learned across the different core and elective areas, with a culminating project and a course that helps them learn to present the findings in a compelling and accessible way.

Before enrolling in the Capstone course, students must participate in a substantial, summer-long or semester-long experiential research project, also known as their Capstone Project. This can be accomplished either through participation in existing Duke programs such as Data+, DoMath, Code+, C5+, or through a substantial independent project, equivalent to a semester in length, developed in consultation with Certificate faculty and supervised by a faculty mentor.

Documentary Studies Certificate
Program Code: U-DOCST-C
Plan Type: Certificate
Department: Documentary Studies
Website: documentarystudies.duke.edu/classes/undergraduate/certificate

Program Summary
The goal of this interdisciplinary program is to introduce, broaden, and enhance the technical skills and the theoretical and ethical awareness of students who specialize in one or more of the following modes of community-based fieldwork: photography, oral history, audio, filmmaking, folklore, and ethnographic writing. Courses in this area are offered through the Center for Documentary Studies, and the departments of African and African American studies, art, cultural anthropology, arts of the moving image, history, and public policy studies. The Center for Documentary Studies also houses a number of documentary projects that address issues of literacy, collaborative photography, oral history, and farm worker advocacy that students will be exposed to through their affiliation with this program. A major goal of this program is to connect student experience and creativity to community life. Documentary studies courses teach an arts-and-humanities-based fieldwork research methodology.

Achievement of the program’s goal is facilitated by an integrated curriculum of required and elective courses that allow students to specialize in one or more areas of documentary work, and to complete a major documentary project under the guidance of participating faculty members. An active advisory procedure assists students in planning fieldwork projects and other learning opportunities. A certificate is available for students who complete program requirements. Participation in documentary studies courses, with the exception of the capstone course, is available to all undergraduates whether or not they seek the certificate.

Go to Programs by Department to view all related programs.

### Academic Requirements

#### Academic Requirements

The certificate in documentary studies is awarded to students who successfully complete six courses approved as part of the documentary studies program. These include:

- a required survey course titled Traditions in Documentary Studies
- four related courses from the approved courses (including electives) are listed in this undergraduate bulletin
- a required capstone course, Seminar in Documentary Studies

During the seminar, students are expected to bring to completion one major documentary project (using audio, video, photos, and/or ethnographic writing methods) and to present this project to an audience outside the classroom by the semester’s end. The Seminar in Documentary Studies is designed as the culminating experience of the certificate program and is therefore open only to students enrolled in the program. Electives chosen by the student under the guidance of the program director should facilitate the completion of the final project.

#### Program Courses

##### African & African American Studies

- 207. African Americans Since the Civil War
- 531S. Black Camera: Still and Moving Images
- 539. Black Camera: Still and Moving Images

##### Art History

- 539. Black Camera: Still and Moving Images
- 650S. Black Camera: Still and Moving Images Asian & Middle Eastern Studies
- 341S. Screening the Holocaust: Jews, WWII, and World Cinema

##### Bioethics and Science Policy

- 510S. Science and the Media: Narrative Writing about Science, Health and Policy

##### Cultural Anthropology

- 130. Anthropology and Film
- 131. World Music: Aesthetic and Anthropological Approaches
- 137. Music, Social Life, and Scenes
- 220FS. Global ‘Mixed Race’ Studies
- 220S. Global ‘Mixed Race’ Studies
- 243. Culture and Politics in Latin America

##### History

- 347. African Americans Since the Civil War

##### Human Rights Program-Franklin Humanities Institute

- 130. World Music: Aesthetic and Anthropological Approaches
- 262. Human Rights in Theory and Practice
- 371. News as a Moral Battleground
Energy and the Environment Certificate

Program Code: U-ENRENV-C
Plan Type: Certificate
Department: Pratt School of Engineering, School of Engineering, Environmental Sciences
Website: nicholas.duke.edu/academics/certificate-programs/certificate-energy-environment

Program Summary
The undergraduate certificate in energy and the environment is designed to provide Duke undergraduates in both Trinity and Pratt with an understanding of the breadth of issues that confront our society in its need for clean, affordable, and reliable energy. An expertise in energy will expand the student's career options in the private, nonprofit, government, and academic sectors. In addition to integrative core and capstone courses, the certificate will expose students to the three key disciplines in the study of energy and the environment: markets and policy,
Duke University

environmental impacts and resources; and energy technology. The goal of the certificate is to develop innovative thinkers and leaders who understand the energy system as a whole and the important interconnections among policy, markets, technology, and the environment. Energy use is a multifaceted problem that draws upon the perspectives and expertise of a variety of disciplines; the certificate in energy and the environment is therefore similarly interdisciplinary.

Beyond traditional coursework, the certificate in energy and the environment will offer a variety of activities intended to provide students with a real-world perspective and hands-on experiences. These include field trips, guest speakers such as visiting executives and practitioners, research opportunities, and internships. Additional information may be obtained from the Energy Initiative.

Go to Programs by Department to view all related programs.

**Energy and the Environment Certificate (U-ENRENV-C)

### Academic Requirements

**Academic Requirements**

Students pursuing the certificate in energy and the environment have the opportunity to choose from two different pathways. The first option is a course-based pathway consisting of six courses, including the Core and Capstone courses (which are required for every certificate student). No more than three of the six courses may originate in a single department. No more than two courses counted toward the certificate in energy and the environment may also satisfy the requirements of any major, minor, or other certificate program.

The second option is an experiential pathway. This pathway combines four courses (the Core and Capstone courses and two electives) with two experiential components: one research/design experience and one field experience. In this pathway, no more than one course counted toward the certificate in energy and the environment may also satisfy the requirements of any major, minor, or other certificate programs. Completion of a publicly-facing e-portfolio is also required.

AP credit may not fulfill certificate requirements in either pathway.

In the standard course-based pathway, six courses are required for the completion of the certificate program:

- One introductory course: Earth and Ocean Sciences/Environment/Energy 231 (Energy and the Environment)
- One elective course from each of the following three areas: Markets and Policy; Environment; and Energy Science and Technology (See approved elective courses below.)
- One additional elective course, selected from the elective course list below, other energy courses, or approved independent study.
- One Capstone Project Course: Energy 395/396 (Connections in Energy: Energy and the Environment: Design and Innovation). Teams of undergraduate and graduate students work with faculty supervisors on a Bass Connections team to identify, refine, explore, and develop solutions to pressing energy issues. Teams may also include postdoctoral fellows, visiting energy fellows, and other experts from business, government, and the nonprofit sector. A team's work may run in parallel with or contribute to an ongoing research project. Teams will participate in seminars, lectures, fieldwork and other learning experiences relevant to the project. Participation consists of a half-credit course in the fall and a full-credit course in the spring, typically taken in the certificate candidate's senior year. Instructor consent is required.

In the experiential pathway of the certificate, students take four courses and complete two experiences:

- One introductory course: Earth and Ocean Sciences/Environment/Energy 231 (Energy and the Environment)
- One elective course from each of the following areas: Markets and Policy; and Energy Science and Technology (See approved elective courses below.)
- Two experiences: one research/design experience and one field experience. One experience must exceed 300 hours; the other must exceed 150 hours. Both experiences must be energy-related, and two different types of experiences must be completed. Students must receive pre-approval for the two thematically-related experiences.
- One Capstone Project Course: Energy 395/396 (Connections in Energy: Energy and the Environment: Design and Innovation). Teams of undergraduate and graduate students work with faculty supervisors on a Bass Connections team to identify, refine, explore, and develop solutions to pressing energy issues. Teams may also include postdoctoral fellows, visiting energy fellows, and other experts from business, government, and the nonprofit sector. A team's work may run in parallel with or contribute to an ongoing research project. Teams will participate in seminars, lectures, fieldwork, and other learning experiences relevant to the project. Participation consists of a half-credit course in the fall and a full-credit course in the spring, typically taken in the certificate candidate's senior year. Instructor consent is required.
- E-portfolio: Must reflect coursework and experiential learning

**Electives (requirement differs depending upon chosen pathway)**

Four elective courses are required for the course-based pathway, with one course chosen from each of the three key areas (Markets and Policy, Environment, and Energy Science and Technology) taken from the below list. The fourth elective is a "free" elective and may repeat any one of the key areas. For the experiential pathway, two elective courses are required in the markets and policy and energy science and technology areas. The most up-to-date version of this list can be found on the program's website at nicholas.duke.edu/academics/certificate-programs/certificate-energy-environment.

**Markets and Policy**
Economics
- 119. Introduction to Political Economy

Environment
- 212. United States Environmental Policy
- 363. Environmental Economics and Policy
- 544S. Collective Action, Property Rights, and the Environment
- 577. Environmental Politics
- 583S. Energy and U.S. National Security

Human Rights Program-Franklin Humanities Institute
- 213. United States Environmental Policy

Political Science
- 145. Introduction to Political Economy
- 549S. Collective Action, Property Rights, and the Environment
- 663S. Energy and U.S. National Security

Public Policy
- 275. United States Environmental Policy
- 577. Environmental Politics
- 583S. Energy and U.S. National Security

Environment (required only for course-based pathway)
Chemistry
- 91. Chemistry, Technology, and Society

Civil and Environmental Engineering
- 461L. Environmental Aquatic Chemistry
- 462L. Applied Biological Principles and Processes in Environmental Engineering

Earth and Ocean Sciences
- 355. Global Warming 364S. Changing Oceans Environment
- 102. Introduction to Environmental Sciences and Policy
- 245. The Theory and Practice of Sustainability
- 362S. Changing Oceans

Sustainability Engagement
- 245. The Theory and Practice of Sustainability

Energy Science and Technology
Note: in selecting the elective course in energy science and technology, it is important to consider which course will provide optimal preparation for the student’s capstone project course. Students should discuss their selection of this elective with a co-director of the program.

Energy
- 310. Introduction to Energy Generation, Delivery, Conversion and Efficiency
- 383. Engineering the Global Middle East
- 630. Transportation and Energy

Energy Engineering
- 310. Introduction to Energy Generation, Delivery, Conversion and Efficiency

Environment
- 630. Transportation and Energy

Global Health
- 549S. Histories of Science and Technology
Duke University

History
- 106. Science and the Modern World: Introduction to the History of Science
- 383. Engineering the Global Middle East
- 549S. Histories of Science and Technology

International Comparative Studies
- 118. Science and the Modern World: Introduction to the History of Science

Mechanical Engineering and Materials Science
- 461. Energy Engineering and the Environment

Physics
- 137S. Energy in the 21st Century and Beyond

Science & Society
- 118. Science and the Modern World: Introduction to the History of Science
- 549S. Histories of Science and Technology

Students may also participate in a Bass Connections in Energy & Environment team (see Capstone Project description) as their fourth elective course for the certificate’s course-based pathway.

Ethics & Society Certificate
Program Code: U-ETHIC-C
Plan Type: Certificate
Department: Ethics & Society
Website: kenan.ethics.duke.edu/ethics-society-certificate

Program Summary
The goal of the undergraduate Ethics & Society Certificate is to provide students with an opportunity to pursue a rigorous cross-disciplinary study of ethics. Such a course of study requires familiarity with systematic ethical theories and traditions of moral wisdom and reflection, an understanding of how ethical issues have been framed across history and cultures, experience delving into ethical issues through literature and the arts, and insights into how ethical challenges are being conceptualized and negotiated in practice by policymakers, researchers, doctors, journalists, and others. Ethics cannot be isolated within one or two disciplines. It is an inherently cross-disciplinary inquiry that needs to draw on tools, methods, and contexts from multiple disciplines.

Go to Programs by Department to view all related programs.

Academic Requirements

Academic Requirements
Students pursuing the Ethics & Society Certificate have the opportunity to pursue two different pathways. The first is a course-based pathway consisting of six courses (including the Gateway and Capstone courses, which every certificate student is required to take). The experiential pathway combines four courses with two experiential components: a faculty mentored independent research project and community-based field work.

In the standard course-based version, six courses are required for completion of the certificate program:
- Ethics 101D/Ethics 101 (Gateway - The Challenges of Living an Ethical Life)
- Ethics 497S (Capstone Seminar)
- Four additional electives approved by the department in the categories of Philosophical Ethics, Cross-Cultural Ethical Traditions, Ethics in Historical Perspective, Ethics in Literature and the Arts, and Ethics of Contemporary Issues. Students must take one Philosophical Ethics course and one Cross-Cultural Ethical Traditions course. They must take one course in either Ethics in Historical Perspective or Ethics in Literature and the Arts. The final elective course may come from any of the five elective categories.

In the Experiential Pathway, students work with the Ethics & Society Certificate Director to craft their own coherent pathway bringing together coursework, research, and community engagement in a concentration of their choosing. Concentrations may focus on ethical issues within topics such as (but not limited to): environmental justice; civil and civic engagement; medicine; race and the United States. Four courses and two experiences are required:
Global Development Engineering Certificate

Program Code: U-GBLDEV-C
Plan Type: Certificate
Department: Pratt School of Engineering, Civil & Environmental Engineering Department
Website: cee.duke.edu/undergrad/degrees/certificates/global-development

Program Summary
Global development engineering is focused on specific knowledge and skills related to planning, design, construction, and operation of engineered systems in under-resourced settings using appropriate technology to address issues of social justice and leveraging technological advances to benefit all of humanity, but especially marginalized populations. Duke's certificate in global development engineering seeks to prepare engineers and other international development professionals for careers in the field of sustainable international development partnering with marginalized or disadvantaged people groups to address both technical and more structural issues related to poverty, wealth inequality, health access, and economic empowerment.

Academic Requirements
The curricular pathway through the certificate includes the following:
- an Introductory/Gateway Class (which must be completed no later than the fall of a student's junior year)
- demonstrated Global Competency (three classes total, with one class from Language and Culture; one from Ethics; and one from Economics OR Policy)
- Technological Depth (two course from one of the following tracks: Water, Energy, or Appropriate Technology)
- Required Experiential Component (putting education into practice)
- Design and Implementation Capstone

The total requirement is seven curricular courses plus one experiential/internship experience. See cee.duke.edu/undergrad/degrees/certificates/global-development.

Health Policy Certificate

Program Code: U-HLTHPL-C
Plan Type: Certificate
Department: Margolis Center for Health Policy
Website: healthpolicy.duke.edu/undergraduate-students

Program Summary
Developed jointly by Duke-Margolis Center for Health Policy and the Sanford School of Public Policy, this thematic certificate will provide undergraduate students with a cohesive program to study the policy foundations of the US health systems and health care. The program will be built on the Center's strong interdisciplinary approach and include an introductory course on US health care systems, offer a range of health policy electives across campus, will include a large focus on the ability of policy to perpetuate and disrupt health inequities, and culminate in a capstone seminar. In addition, two substantial thematic experiences in health policy will be required. Students earning the certificate will gain health policy knowledge to apply in their careers and lived experiences.

More information is available at (healthpolicy.duke.edu). The certificate director is available to provide additional information and guidance. Contact the Faculty Director by email, nathan.boucher@duke.edu.

Go to Programs by Department to view all related programs.
Academic Requirements

To complete the certificate, students must:

- complete two health policy-related co-curricular experiences (one or more than 150 hours and a second of more than 300 hours)
- develop a public-facing e-portfolio
- complete the introductory course PUBPOL 165 (Introduction to the United States Health Care System)
- complete the capstone course HLTHPOL 480 (Capstone Seminar for Certificate in Health Policy)
- complete two elective courses

The two electives may be drawn from a list of pre-approved electives or may be selected from outside this list with the approval of the Faculty Director. Both elective courses may also be used to satisfy the requirements of any major, minor, or other certificate program.

Sequencing is an important feature of the certificate. Students should declare their intention to pursue this certificate as early as possible, but no later than the drop/add deadline in the fall of their junior year. Also, neither of the two electives may count toward the certificate if it is taken before the introductory course. Finally, the capstone course may not be taken until the introductory course, two elective courses and the two learning experiences are completed.

Human Rights Certificate

Program Code: U-HMNRGT-C
Plan Type: Certificate
Department: Human Rights Program – Franklin Humanities Institute
Website: humanrights.fhi.duke.edu/human-rights-certificate

Program Summary

The goal of the undergraduate certificate in human rights is to provide students with an opportunity to pursue a rigorous interdisciplinary study of human rights. We will help cultivate life-long learners and engaged citizens who have a deep and nuanced understanding of human rights. This course of study requires foundational study in human rights history, theory, and policy issues, with particular attention to how the intellectual debates around rights translate into action in an increasingly globalized, interconnected world. Human rights cannot be isolated into one or even a few disciplines and its study must draw on the concepts and lived experience of scholars, practitioners, journalists and communities struggling to defend their rights.

Including a Gateway, Introduction to Human Rights, and a final Capstone in Human Rights, students will take a total of six undergraduate courses. Students will be encouraged to seek rights-related DukeEngage placements, internship and volunteer experiences, and to include study abroad courses as part of their certificate plan, so long as these courses have received prior approval from Duke and the Certificate Director. These elements will enrich a student’s experience in the Capstone.

The certificate includes 1) a structured and interdisciplinary set of courses; 2) analytical, empirical, and applied elements; 3) education in the history and current practice of human rights in the United States and abroad; 4) exposure to key thinkers and debates about and within human rights, including the critique of human rights; 5) skills development in research and writing; 6) the application of knowledge toward real-world solutions; and 7) in-depth mentored research with faculty working in human rights.

Sequencing is a critical element in the study of human rights. Students are encouraged to enroll as soon as possible but no later than the end of Drop/Add in the fall of their junior year. Enrollment takes place after a student prepares a declaration of interest submitted to the Certificate Director.

Go to Programs by Department to view all related programs.

Academic Requirements

Six courses are required for completion of the human rights certificate.

1. A required Gateway, Introduction to Human Rights. This course gives priority to first-year students and sophomores, ideally building a cohort with other students also interested in human rights.

2. Four electives. A course can count toward the human rights certificate if it contains a preponderance of readings or other materials of inquiry that reference human and civil rights history, concepts, theory, practice, discourse, advocacy or a combination of these elements. A course may have a thematic focus on human rights, including in areas of civil rights and social justice; it may have a regional focus, examining rights in a specific location; or a disciplinary focus, as in how a specific type of study, like biology or literature, approaches a rights question. Prior to registration each semester, the DHRC@FHI will prepare a list of pre-approved courses in consultation with the Faculty Advisory Board. Students are required to take courses from at least two disciplines. No more than two of the four courses may come from the same home
Students may petition for a course to count toward the certificate by submitting a syllabus and rationale for the relevance to the Director of the certificate, specifying how it meets the criteria listed above. This would include courses taken outside Duke, including study abroad. Students are encouraged to search out study abroad courses that would count toward the human rights certificate.

3. A capstone seminar, Capstone in Human Rights. This course is offered to students in their senior year who have completed the Gateway and are enrolled in the human rights certificate program. A primary learning objective of this course is to connect the intellectual themes and scholarly knowledge they develop in the Gateway, electives and any rights-related experiences (through DukeEngage or internships and volunteer placements). The capstone requires students to critically re-visit themes introduced in the gateway course. The capstone culminates with a final project that requires students to choose a subject and produce research. Students may work in teams toward a final project but each student’s work will be evaluated separately and at a high standard.

4. All human rights certificate students are required to present their work to their peers in a mini-conference or other forum. Students are encouraged to present their work in other public settings for or in benefit of an individual or group engaged in rights work. This could be through performance or web-based pieces, videos, op-ed columns, published essays, public exhibits, or other media. Where appropriate, students’ projects can link or be combined with departmental honors projects.

Information Science + Studies Certificate

Program Code: U-ISS-C
Plan Type: Certificate
Department: Information Science + Studies
Website: iss.duke.edu/undergraduate-certificate

Program Summary
The Information Science + Studies (ISS) Program offers students an interdisciplinary approach to study the nature of information and its impact on art, culture, science, business, society, policy, and the environment. ISS helps students fill the gap between current academic training and the increasing demand in all professions for a broad understanding of the legal, social, philosophical, computational, cultural, and aesthetic issues concerning information technology and other related innovations. The program’s integrated curriculum combines topics and practices including information management; photonics and visualization; multimedia design; virtual reality, virtual worlds and games, issues of security, privacy, and property; and the history of science and technology. More information is available online at iss.duke.edu.

Go to Programs by Department to view all related programs.

Program Enrollment
Only students who have officially declared their major may enroll in the program, although all students may take ISS courses on a first-come/first-served basis, with ISS certificate students having a preference.

Academic Requirements

Academic Requirements
The certificate requirements include a team-taught introductory course, a communications course, three electives, and a research-oriented capstone course.

The ISS certificate requires six courses:

- Information Science + Studies 110 (Information, Society, and Culture)
- For non-computer science and non-engineering majors, Information Science + Studies 240L (Fundamentals of Web-based Multimedia Communications). For engineering and computer science majors, Engineering 206 or Computer Science 290
- Three electives selected from a list of ISS-approved courses
- Information Science + Studies 495S (Research Capstone)

No more than three courses may originate in a single department and no more than two courses that are counted toward the ISS certificate may also satisfy the requirements of any major, minor, or other certificate program.

Innovation and Entrepreneurship Certificate

Program Code: U-IECP-C
Plan Type: Certificate
Department: Innovation and Entrepreneurship
Website: entrepreneurship.duke.edu/education/undergrad-certificate

Program Summary
The goal of the undergraduate certificate in Innovation and Entrepreneurship is to provide students with a pathway to pursue a rigorous cross-disciplinary study of innovation and entrepreneurship that will be complementary to any major and enable students to be innovative and entrepreneurial in their pursuit of knowledge in service to society. The certificate requires an in-depth course of study examining the theories of innovation and entrepreneurship, coupled with hands-on practice in both areas. Innovation and entrepreneurship are, by their very nature, areas of cross-disciplinary inquiry, so the certificate will also draw on theory, contexts, and methods from across the disciplines.

The certificate builds on the already-existing emphasis of knowledge in service to society that is taking place within students’ majors and co-curricular activities, to further enhance students’ abilities to explore the complex problems being faced by our world and to develop innovative methods to address those problems. Cultivating such an innovative and entrepreneurial spirit will involve students developing the capacities of creativity, technical competencies, courage and resilience, reflection, and collaboration, acquired through a comprehensive undertaking of research, inquiry, experimentation, and experiential learning.

Go to Programs by Department to view all related programs.

**Academic Requirements**

In this experiential certificate, students take four courses in the subject areas outlined below, as well as complete two experiences and create an e-portfolio. The certificate program elements are:

1. Four course areas:
   - Gateway: Exploration of Discovery, Entrepreneurship, Innovation, Ideation, and/or Design
   - Keystone: Strategies for Innovation and Entrepreneurship
   - Elective: Further Exploration in Innovation and/or Entrepreneurship
   - Capstone: Ideas into Action
2. Two thematically-related experiential learning activities. One of the experiences must be at least 300 hours, and the other must be at least 150 hours.
3. Publicly facing e-portfolio

Sequencing is an important feature of the certificate. Students are required to apply to the certificate by the end of the add/drop period in the fall of their junior year. Successful application to the program includes four components: a) identification of the four courses and two thematically-related experiences the student plans to undertake; b) written essay outlining the logic and rationale for the pathway the student selected; c) written essay justifying the student’s desire to pursue the certificate; and d) review, advisory input, and approval of the student’s application by the Innovation and Entrepreneurship Certificate Admissions Committee.

**Islamic Studies Certificate**

Program Code: U-ISLST-C
Plan Type: Certificate
Department: Islamic Studies
Website: religiousstudies.duke.edu/islamic-studies-certificate

**Program Summary**

The Islamic Studies certificate offers students a deeper understanding of Islamic thought, spirituality, practices, and institutions as well as of Muslim cultures and societies around the world. It offers the opportunity for in-depth interdisciplinary study of Islam and Muslims that elucidates their significance for the history of humanity. This certificate helps cultivate life-long learners and critical thinkers who have a nuanced understanding of the diversity of Muslims past and present.

Students in the certificate program enroll in the gateway course that studies the history of Islam and Muslims in diverse contexts, the capstone seminar in their junior or senior year that engages in research, and four additional electives from a wide and compelling range of offerings. At least two different departments must be represented in the course selection, and no more than two of the certificate’s six courses may double count for a major, minor, or another certificate program.

The undergraduate certificate in Islamic Studies is administered by the Department of Religious Studies. Beyond coursework, students in the certificate program are regularly included in extracurricular events and opportunities.

Go to Programs by Department to view all related programs.

**Academic Requirements**

Six courses are required for completion of the Islamic Studies certificate.
1. **The Gateway course.** “Introduction to Islamic Civilization, Part I” (RELIGION 217 / HISTORY 210 / ICS 217 / AMES 122 / MEDREN 268 / CULANTH 256) analyzes the emergence of Islam and the spread of Muslim culture and learning across Africa, Asia, and Europe. It introduces how Muslims fostered a globalized economy and international community of scientists, scholars, agriculturalists, musicians, artisans, and philosophers of diverse religious and ethnic backgrounds – along with other key themes that students may pursue in greater detail through their elective coursework.

2. **Four electives.** Each student will devise an interdisciplinary set of electives corresponding to their interests in consultation with the program director over the course of their undergraduate studies, which must be approved for each student separately. Students are required to take courses from at least two disciplines, and students are also encouraged to search out study abroad courses that could count toward the Islamic Studies certificate. For coursework abroad, students should submit the proposed class syllabus to the program director along with a rationale for its relevance to Islamic Studies. Current electives are listed below.

3. **The Capstone seminar.** RELIGION 490S Junior-Senior Seminar is available to students in their junior or senior year who have completed the Gateway and are enrolled in the Islamic Studies certificate program. The Islamic Studies certificate capstone culminates with a final project that requires students to select, pursue, and share independent research in the field of Islamic Studies.

### Electives

- AAAS 274S. Islam in the Americas
- AAAS 295S. Black Muslims: Race, Religion, and Culture
- AMES 126S. Understanding the Qur’an
- AMES 160. Islam
- AMES 205 Literary Islam: Poetry, Scripture, Philosophy
- AMES 213S. Muslim Ethics and Islamic Law
- AMES 209S. Love, Spirit, and Mysticism: The Path of Love in Middle East and South Asia
- AMES 224S. Muslim Women Across the Ages
- AMES 220S. From Al-Qaeda to ISIS: Understanding Terrorism, Its Roots, Responses, and Ramifications
- AMES 223S. Muhammad: The Prophet of Islam
- AMES 228S. Islam, Art, & Society
- AMES 230S. Islam in the Americas
- AMES 235S. Cross-Cultural Encounters
- AMES 238S. Istanbul: Religion, Politics and Cosmopolitanism
- AMES 288S. Religion and Politics in Post-Revolutionary Iran
- AMES 295. Black Muslims: Race, Religion, and Culture
- AMES 321. Rumi: Mysticism and Poetry
- AMES 324S. Muslim Philosophy and Theology
- AMES 329S. Islamic Media
- AMES 339S. Local Islams
- AMES 359. Violent Jihad in the Twentieth Century
- AMES 373S. Islamic Mysticism
- AMES 385S. Islam, Medicine, & Healing
- AMES 519S. Andalusia
- ARTHIST 224S. Islam, Art, & Society
- CULANTH 224S. Muslim Women Across the Ages
- CULANTH 283S. Istanbul: Religion, Politics and Cosmopolitanism
- ECON 306. Economic History and Modernization of the Islamic Middle East
- ETHICS 235S. Muslim Philosophy and Theology
- ETHICS 345S. Muslim Ethics and Islamic Law
- ETHICS 373S. Islamic Mysticism
- GLHLTH 385S. Islam, Medicine, & Healing
- GSF 209S. Muslim Women Across the Ages
- GSF 295S. Black Muslims: Race, Religion, and Culture
- HISTORY 193S. Islam, Art, & Society
- HISTORY 209S. Islam in Asia
- HISTORY 216S. Between Moscow, Beijing, and Delhi
- HISTORY 225S. Muslim Women Across the Ages
- HISTORY 239S. Turkey: Muslim and Modern
- HISTORY 243S. Cross-Cultural Encounters
- HISTORY 265S. Religion and Politics in Post-Revolutionary Iran
- HISTORY 351S. Islam in the Americas
Duke University

- HISTORY 359. Violent Jihad in the Twentieth Century
- HISTORY 380S. Islamic Mysticism
- HISTORY 397S. Istanbul: Religion, Politics and Cosmopolitanism
- ICS 160. Islam
- ICS 222S. Black Muslims: Race, Religion, and Culture
- ICS 249S. Istanbul: Religion, Politics and Cosmopolitanism
- ICS 270S. From Al-Qaeda to ISIS: Understanding Terrorism, Its Roots, Responses, and Ramifications
- ICS 297S. Cross-Cultural Encounters
- ICS 331S. Islamic Media
- ICS 347S. Islam, Medicine, & Healing
- ICS 361. Violent Jihad in the Twentieth Century
- ICS 365S. Muslim Women Across the Ages
- ICS 370S. Islam in Asia
- ICS 373S. Between Moscow, Beijing, and Delhi
- ICS 380S. Islamic Mysticism
- MEDREN 224S. Islam, Art, & Society
- MEDREN 253S. Cross-Cultural Encounters
- MEDREN 323S. Muhammad: The Prophet of Islam
- MEDREN 395S. Love, Spirit, and Mysticism: The Path of Love in Middle East and South Asia
- MEDREN 370S. Understanding the Qur’an
- MEDREN 374S. Muslim Philosophy and Theology
- POLSCI 379S. Religion and Politics in Post-Revolutionary Iran
- POLSCI 382. Violent Jihad in the Twentieth Century
- POLSCI 383S. Economic History and Modernization of the Islamic Middle East
- PUBPOL 190. 9/11, Islam & the Modern Middle East
- PUBPOL 226S. From Al-Qaeda to ISIS: Understanding Terrorism, Its Roots, Responses, and Ramifications
- PUBPOL 359. Violent Jihad in the Twentieth Century
- RELIGION 160. Islam
- RELIGION 209S. Love, Spirit, and Mysticism: The Path of Love in Middle East and South Asia
- RELIGION 219S. Muslim Women Across the Ages
- RELIGION 223S. Muhammad: The Prophet of Islam
- RELIGION 224S. Islam, Art, & Society
- RELIGION 235S. Cross-Cultural Encounters
- RELIGION 255S. Black Muslims: Race, Religion, and Culture
- RELIGION 381. Rumi: Mysticism and Poetry
- RELIGION 370S. Understanding the Qur’an
- RELIGION 373S. Islamic Mysticism
- RELIGION 374S. Muslim Philosophy and Theology
- RELIGION 377S. Religion and Politics in Post-Revolutionary Iran
- RELIGION 379S. Islamic Media
- RELIGION 384S. Islam in the Americas
- RELIGION 385S. Islam, Medicine, & Healing
- RELIGION 395S. Local Islams
- RELIGION 378S. Islam in Asia
- RELIGION 386S. Muslim Ethics and Islamic Law
- RELIGION 519S. Andalusia
- RELIGION 527S. Islam and Human Rights
- RIGHTS 219S. Muslim Women Across the Ages
- RIGHTS 295. Black Muslims: Race, Religion, and Culture
- RIGHTS 374S. Islam in the Americas
- RIGHTS 527S. Islam and Human Rights
- ROMST 519S. Andalusia
- RUSSIAN 370S. Islam in Asia
- SES 279S. Turkey: Muslim and Modern
- SES 370S. Islam in Asia
- SES 373S. Between Moscow, Beijing, and Delhi
- TURKISH 279S. Turkey: Muslim and Modern
Jewish Studies Certificate
Program Code: U-JEWIST-C
Plan Type: Certificate
Department: Jewish Studies
Website: jewishstudies.duke.edu/academics/undergraduate-studies

Program Summary
This program is sponsored by the interdisciplinary Duke Center for Jewish Studies. Participating departments and programs include Asian & Middle Eastern Studies, Classical Studies, International Comparative Studies, Cultural Anthropology, English, Germanic Languages, History, Medieval and Renaissance Studies, Political Science, Religious Studies, and Gender, Sexuality, and Feminist Studies. A full range of courses is available in classical and modern Hebrew. Also, relevant courses in Jewish studies may be taken at The University of North Carolina at Chapel Hill.

The certificate program offers students the flexibility to design, with the aid of a faculty advisor, a curriculum that meets individual interests and talents.

Academic Requirements
Six courses are required for the certificate, and an independent study to be arranged in consultation with the director of undergraduate studies. Four courses must be at or above the 200 level. Not more than three courses in religious studies may count for the certificate. Three (semesters) of Hebrew language courses may count toward the certificate.

Latin American and Caribbean Studies Certificate
Program Code: U-LAS-C
Plan Type: Certificate
Department: Latin American & Caribbean Studies
Website: latinamericancaribbean.duke.edu/undergraduate-certificate

Program Summary
The Program in Latin American & Caribbean Studies, which is administered by the Center for Latin America and Caribbean Studies (CLACS), provides students with the opportunity for interdisciplinary, in-depth study of the realities of Latin American and Caribbean societies and cultures. In addition to offering a certificate and a wide array of area studies and language courses, CLACS also sponsors lectures, Mellon Visiting Professors, and an annual competition for Mellon Undergraduate Summer Research Awards in Latin America or the Caribbean. Moreover, the center and the Institute for the Study of the Americas at The University of North Carolina at Chapel Hill sponsor the Consortium in Latin American Studies at The University of North Carolina at Chapel Hill and Duke University, which provides opportunities for collaboration with faculty and students from both campuses who are interested in the region. The consortium sponsors yearly working groups and an annual Latin American Film Festival.

Students interested in earning a certificate in Latin American & Caribbean Studies are encouraged to declare it by completion of their fifth semester. Students may also elect this interest in Latin America while participating in a Duke-approved study abroad program either during summer or during their junior year.

Academic Requirements
The course of study for program participants is intended to be interdisciplinary. Students working toward a certificate in Latin American and Caribbean studies will declare a major in an academic department. To qualify for the certificate, students take Latin American Studies 121 (Introduction to Contemporary Latin America), the interdisciplinary capstone seminar (Latin American Studies 498S or other courses designated as a capstone each term), fulfill the indicated language requirement, and take three additional area courses, two of which must be at or above the 200 level. Also, at least three different departments must be represented overall, with no more than three courses counting from one single department or major. The language requirement can be fulfilled in one of three ways: (1) by taking three language courses below the 300 level in any one of the most commonly taught languages spoken in Latin America: Spanish, Portuguese, French; (2) by taking one course taught in any one of

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these languages at the 300 level or above; or (3) by taking two courses in any one of the less commonly taught Latin American languages (such as Haitian Creole, K’iche’ Maya, or Yucatec Maya). A Summer Intensive Yucatec Maya Language Program is also offered through the Consortium in Latin American Studies, and Haitian Creole and K’iche’ Maya are now offered at Duke.

Appropriate courses may come from the list given below, or may include other courses not listed below (new courses, special topics courses, and independent study) with at least 50 percent of course content on a Latin American topic and with term papers or other major projects focusing on a Latin American subject. To determine if specific courses meet requirements for the certificate, students should consult the associate director. Regular courses are described under the listing of the various departments. Students may also wish to take advantage of house courses offered on Latin American topics although house courses cannot satisfy the requirements of the certificate.

Eligible undergraduates satisfying the certificate may use no more than two courses that are also used to satisfy the requirements of any major, minor, or other certificate program. International comparative studies majors and minors interested in choosing Latin America as their primary area of concentration within that major or minor should consult the director of International Comparative Studies.

**Latino Studies Global South Certificate**

**Program Code:** U-LSGS-C  
**Plan Type:** Certificate  
**Department:** Latino Studies Global South  
**Website:** latinostudies.duke.edu/certificate

**Program Summary**

The undergraduate certificate in Latino/a studies in the Global South is administered by the Program in Latino/a Studies in the Global South. This interdisciplinary certificate is designed to provide students with comparative, historical, and cultural knowledge of peoples of Latin American descent living in the United States (and moving transnationally), understanding of the concepts of Hispanics/Latino/as, Latinidad and hispanidad, and the Global South (and Global North), and insight into the construction and assertion of Latino/a identities, involving convergences and divergences, over space and time. This certificate program allows students to draw on both the strength and scope of Duke’s offerings in Latino/a studies as well as complementary courses offered at The University of North Carolina at Chapel Hill, which offers an interdisciplinary minor in Latino/a studies.

In addition to offering courses and a certificate after completion of the requirements, the Program in Latino/a Studies in the Global South offers a variety of supplemental educational opportunities, including lectures and events involving prominent scholars, artists, writers, musicians, and performers; financial assistance for student-organized academic discussions; conference awards; advising; and a resource room. Students are invited to use the Latino/a Studies Resource Room (Friedl Building 124) for study sessions and meetings with faculty, students, staff, and community members. Resources available in this room include encyclopedias, texts, novels, scholarly journals, videos, and music. Students may also take advantage of events, lectures, and an annual film festival hosted by the Center for Latin American and Caribbean Studies, which include Latino/a Studies content. Students may enroll in Spanish Service Learning courses as well as Duke-approved study away programs and DukeEngage programs that focus on Latino/a populations in the United States and/or that take place in various countries within Latin America.

Go to Programs by Department to view all related programs.

**Academic Requirements**

**Academic Requirements**

The course of study for program participants is interdisciplinary, with a minimum total of six courses. Students working toward a certificate in Latino/a studies in the Global South are encouraged (but not required) to declare it by their fourth semester. To enroll in the certificate program, students should officially declare their intention to pursue the certificate through academic advising (first- and second-year students) or through the Office of the University Registrar (juniors and seniors) and should also meet in person with the Senior Program Coordinator for Latino/a studies in the Global South.

In meeting the total requirements, a minimum of three departments must be represented, with no more than half (50 percent) of the courses originating in a single academic unit. Students may count toward this certificate no more than two courses that are being used to fulfill the requirements of any major, minor, or other certificate. To qualify for the certificate, students will take:

- Latino/a Studies in the Global South 201 or 201S (Introduction to Latino/a Studies in the Global South).
- Four elective courses, three of which must be at or above the 200-level. Of the elective courses, at least one must be a humanities course, and one a social science course. Qualifying courses may come from the list provided below, or may include other courses not listed (new courses, special topics courses, and independent study), and must have at least 50 percent of course content on Latino/as or Latino/a studies and with term papers or other major projects focusing on this field. Language courses directly applicable to students’ work in the certificate (e.g., in American indigenous languages or languages relevant to the study of Latino/a migrations to other areas of the Global South) can also be considered. To determine if specific courses meet requirements for the certificate, students should consult the Senior Program Coordinator. Up to two of the elective courses may be taken at The University of North Carolina at Chapel Hill, in consultation with the
Senior Program Coordinator. Courses taken abroad with Latino/a Studies content that appear on the Duke transcript may count toward the elective course total. Students may also wish to take advantage of house courses offered on Latino/a Studies topics, although house courses do not satisfy any requirement of the certificate program.

- Latino/a Studies in the Global South 495S (Capstone in Latino/a Studies in the Global South), or equivalent advanced offering with Program approval, preferably in the senior year.

### Markets and Management Certificate

**Program Code:** U-MMST-C  
**Plan Type:** Certificate  
**Department:** Markets & Management  
**Website:** markets.duke.edu

**Program Summary**

The Markets and Management Studies Program at Duke is designed to meet the needs of Duke undergraduates who wish to study business issues and functions in preparation for careers in business and management, banking, consulting, government, the nonprofit sector, and related graduate fields. Courses in the program emphasize three integrated themes: (1) globalization and organizational innovations in the world economy; (2) the social determinants and consequences of new or changing technologies; and (3) the effect of cross-cultural and institutional factors on management and entrepreneurship.

Go to Programs by Department to view all related programs.

**Course of Study**

Organizational studies in the social sciences provide an innovative, liberal arts approach to business education. The markets and management studies program is rooted in sociology, but it also includes studies in a variety of disciplines—economics, history, political science, public policy studies, ethics, and management science. Each course in the program deals in some way with the impact of different organizational forms on managing human resources, coordinating work, integrating technology, and using business networks in an increasingly competitive global economy. The four overarching learning objectives of the program are bridging theory and research, teamwork, communication skills, and active learning.

**Program Enrollment**

Only sophomores and juniors who have officially declared their major may enroll in the program. Enrollment must be done via the Markets and Management Studies website.

**Academic Requirements**

- Three core courses
  - MMS 197 is the required gateway course, to be taken early in the student's coursework. The course lays a foundation in management theory and practice that is helpful knowledge for the rest of the MMS Certificate program.
  - MMS 450, an integrative capstone course taken in the senior year.
  - One additional core course
- Four elective courses

No more than three courses may originate in a single department (including MMS). No more than two courses that are counted toward the markets and management studies certificate may also satisfy the requirements of any major, minor, or other certificate program.

### Materials Science and Engineering Certificate

**Program Code:** U-MSE-C  
**Plan Type:** Certificate  
**Department:** Pratt School of Engineering, Mechanical Engineering & Materials Science Department  
**Website:** mems.duke.edu/undergrad/degrees/certificates/materials-science-engineering

**Program Summary**

Harvesting solar and thermal energy economically, enabling improved batteries and quantum computing, developing improved medical treatments all require new materials with specific properties.
Earn Duke's Certificate in Materials Science & Engineering to learn the scientific and engineering principles related to the fundamental structures, properties, and technological applications of materials. Expert faculty teach from multiple disciplines, such as the Departments of Mechanical Engineering & Materials Science, Electrical & Computer Engineering, Biomedical Engineering, Chemistry, and Physics. In addition, through a course selected from History, Public Policy, or Economics, learn about the role of technology in science, public policy and the economy.

Upper-level undergraduate students enrolled in both the Pratt School of Engineering and the Trinity College of Arts & Sciences are eligible to complete this certificate. Each student is assigned an academic advisor affiliated with the program. A student's academic transcript will note the successful completion of the certificate.

Go to Programs by Department to view all related programs.

Academic Requirements

Successful completion of seven (7) courses from the following categories will lead to a Certificate in Materials Science & Engineering:

- Two (2) required centerpiece courses
  - ME 221 Structure and Properties of Solids (For BME, Chemistry or Physics majors, possible alternates are BME 221, CHEM 548, or PHYSICS 516 respectively.)
  - At least one course from:
    - ME 412 (Chem 512) Modern Materials
    - ME 490 Statistical Thermodynamics of Materials
- Four (4) elective courses (one must be outside the student's major department)
- One (1) humanities/social science course in one of the following areas
  - History (if applicable to the role of technology and science)
  - Public Policy (if applicable to the use and impact of technology)
  - Economics

Program Preparation

Preparation for participation in the gateway course should normally include the following prerequisites: a) Economics 101 (Economic Principles), and b) Philosophy 207 (Political and Social Philosophy), or Political Science 175 (Introduction to Political Philosophy). However, students without this previous preparation may enroll in the gateway course with the permission of the instructor.

Requirements

Six specified courses distributed across the three disciplines, including gateway and capstone courses.

Gateway Course

All students in the certificate program must take the Philosophy, Politics, and Economics introductory course: Political Science 331 (Prisoner’s Dilemma and Distributive Justice)

Capstone Course

In their senior year, students must take the Philosophy, Politics, and Economics capstone course: Political Science 449

Core Courses

Beyond the gateway course, and prior to or concurrent with the capstone course, students must take a common core of a selected
sequence of four courses in microeconomics, rational choice, ethical theory/political philosophy, and the history of economic thought. The four courses will be chosen from three groups: This sequence will be selected in consultation with the program director and must be approved for each student separately. The four courses must include one course from each of the three core disciplines of the certificate—philosophy, politics, and economics—as well as one additional course that will reflect the interests of the student and will be chosen with an eye toward facilitating the completion of the major paper in the capstone class.

Robotics and Automation Certificate
Program Code: U-ROBOT-C
Plan Type: Certificate
Department: Pratt School of Engineering, Mechanical Engineering & Materials Science Department
Website: mems.duke.edu/draft/undergrad/degrees/certificates/robotics-automation

Program Summary
Robotics is an exciting and rapidly expanding field at the crossroads of mechanical engineering, electrical engineering, biomedical engineering and computer science. With the help of architects and designers, these intelligent machines have learned to infer, reason and act in the real world. Using large amounts of data, researchers in the field have made it possible for robots to learn from their experiences and improve their performance.

To safely and effectively integrate intelligent machines into our environment, robots must be taught to adapt and respond to unpredictable situations, as well as interact collaboratively with each other and humans.

These systems will soon be able to replace humans in dangerous environments and tedious jobs, boost their situational awareness, and assist them in difficult or repetitive tasks — further enhancing human capabilities.

Go to Programs by Department to view all related programs.

Academic Requirements

Successful completion of seven (7) courses will lead to a Certificate in Robotics & Automation:

1. Two (2) required Robotics Track courses
   - ECE 383/ME 442 Introduction to Robotics (Fall only)
   - ME 555 Robot Studio (Spring only)

2. Three (3) technical courses
   - One (1) must be in Controls and Dynamics
     - ME 344L/ECE 382L Linear Control Systems
     - EGR 244 Dynamics
     - PHYSICS 361 Intermediate Mechanics
     - ME 555 Model Predictive Control
   - One (1) must be in Machine Learning
     - ME 555 Data Driven Dynamical Systems and Control
     - ME 555 Robot Learning (Prerequisite for undergraduates: undergraduate Intro to Robotics)
     - ECE 580 Introduction to Machine Learning
     - BME 548L Machine Learning and Imaging
     - CS 371 Elements of Machine Learning
   - One (1) in either Controls and Dynamics, Machine Learning, or Breadth
     - Controls and Dynamics and Machine Learning courses are listed above
     - ME 555 Medical Robotics and Surgical Technologies
     - CS 527 Computer Vision
     - ECE 461/ME 555 Ocean Engineering
     - ECE 496/590/ME 555 Rainforest Engineering
     - ECE 588 Image and Video Processing: from Mars to Hollywood with a Stop at the Hospital
     - ME 491/ECE 493- Independent Project (must be robotics related; requires detailed semester plan and prior approval)

3. One (1) ethics course (found in the Breadth Track)
   - ME 555 Ethics of Case Studies in Robotics and Automation (required)

4. One (1) humanities/social science course
One course in one of the following areas: History (if applicable to the role of technology and science); Public Policy (if applicable to the use and impact of technology); Economics. Courses are to be approved by the certificate coordinator; other course options will be considered on an individual basis with consideration given to their relevance to the field.

Note 1: Two of the technical courses can be required courses in home department
Note 2: Other courses in areas related to Robotics are also permissible subject to approval of the Robotics and Automation Certificate Program Coordinator. New courses may also be created.

Science and the Public Certificate
Program Code: U-GSP-C
Plan Type: Certificate
Department: Science & Society
Website: scienceandsociety.duke.edu/learn/undergraduate-programs/ss-certificate/science-and-the-public

Program Summary
The Science & Society Certificate Program is an undergraduate, interdisciplinary course of study that integrates science with its relationship to society. The interdisciplinary curriculum enables students to understand the social, legal, historical, and policy issues stemming from research and technological advances in both basic and applied science.

The Certificate in Science and the Public allows undergraduate students to build on their science and technology leadership training and hone their expertise in science and technology policy.

Academic Requirements
Undergraduate students must complete five courses and two research experiences, (at least one of which is credit bearing):

- Science & Society 256-01 (core course) must be taken by the end of the junior year.
- Three elective courses (see current listings at scienceandsociety.duke.edu/learn/undergraduate-programs/ss-certificate), including at least one course with an ethics, law, or policy component.
- Two approved research experiences consisting of either two semester long independent study courses or one semester long independent study course plus one approved summer research experience.
- Science & Society 498S-02 capstone course to be taken in the spring of senior year.

At least one elective and at least one research experience must have a science component, and at least one elective must have an ethics, law, social science, and/or policy component. No more than three courses may originate in any one department; only two courses may be used to satisfy the requirements for any major, minor, or other certificate; and at least half of the courses must be taken at Duke.

Sustainability Engagement Certificate
Program Code: U-SUSTN-C
Plan Type: Minor
Department: Nicholas School of Environment
Website: nicholas.duke.edu/academics/certificate-programs/certificate-sustainability-engagement

Program Summary
The goal of this program is to provide undergraduates with an opportunity to engage deeply with complex interconnections involved in sustainability-related challenges. The program requires students to connect multiple disciplines, such as environmental science, economics, public policy, and/or social justice. The program will foster critical analysis, systems thinking, and practical skills to create engaged leaders in sustainability.

Go to Programs by Department to view all related programs.

Academic Requirements
In order to complete the certificate, students must take four courses, complete two substantial experiences, and develop an e-Portfolio.

The four courses include:

- one gateway course
Duke Kunshan University Dual-Degree Program

Duke Kunshan University

Duke Kunshan University (Duke Kunshan) is a US-China partnership of Duke University (Duke), Wuhan University, and the Municipality of Kunshan in Jiangsu province to create a world-class liberal arts and research university offering a range of academic programs for students from China and throughout the world. A nonprofit, joint-venture institution, Duke Kunshan University was granted accreditation approval by China’s Ministry of Education (MOE) in September 2013. Duke Kunshan welcomed its inaugural class of graduate students in August 2014 and launched the dual-degree undergraduate program in August 2018.

Duke Kunshan University Mission Statement

Duke Kunshan is a highly selective research-oriented, liberal arts and sciences university located in China, whose primary mission is to enable students from around the world to lead purposeful and productive lives. By delivering the highest quality undergraduate and graduate education that is truly interdisciplinary, Duke Kunshan prepares students for professional, intellectual, and societal leadership roles across the globe. The core of the educational offering is a four-year undergraduate dual-degree program featuring an integrated and multi-disciplinary curriculum, with an effective blend of Chinese, American, and global techniques and values and a culture of academic excellence and freedom. World-class faculty pursue knowledge in service to society, involving students in innovative scholarship and research programs. As a premier US-China joint-venture university, Duke Kunshan embraces the integration of global, national, and local traditions of thought and experience and promotes cross-cultural understanding and cross-border collaborations.

Duke Kunshan Animating Principles

Duke Kunshan aspires to provide a twenty-first century liberal arts education that helps students develop a sense of social responsibility and global citizenship, as well as strong and transferable intellectual and practical skills such as communication, analytical and problem-solving skills, and a demonstrated ability to apply knowledge and skills in real-world settings.

The overarching goals are embedded in the seven animating principles that are expressed throughout the curriculum:

1. **Rooted Globalism:** To cultivate informed and engaged citizens who are knowledgeable about each other's histories, traditions of thought, and affiliations; and skilled in navigating among local, national, and global identities and commitments.
2. **Collaborative Problem-Solving:** To instill the habits of collaboration and the ability to synthesize disparate insights in solving complex challenges.
3. **Research and Practice:** To enhance the ability to forge links between theory and practice in the many-sided and rapidly changing world of human needs.
4. **Lucid Communication:** To develop the ability to communicate effectively, both orally and in writing, and to listen attentively to different viewpoints in coming to mature judgments.
5. **Independence and Creativity:** To nurture free inquiry, deep reflection, and a drive to ask interesting questions and find compelling answers.
6. **Wise Leadership:** To shape thinkers and doers who possess the moral compass to guide communities and institutions toward a common good and who have the wisdom and technical competence to deal effectively with complexity.
7. **A Purposeful Life:** To form reflective scholars who test their core beliefs, who connect their course of study to big questions of meaning, and who build the capacity for lifelong learning and exploration.

Duke Kunshan is accredited by the MOE. Duke is accredited by the Southern Association of Colleges and Schools Commission on Colleges (SACSCOC) in the United States to award baccalaureate, master’s, and doctorate degrees. Duke Kunshan is not accredited by SACSCOC and the accreditation of Duke does not extend to or include Duke Kunshan or its students.

Kunshan City

Kunshan, located in the southeastern part of Jiangsu province, is a satellite city in the greater Suzhou region and adjacent to Shanghai municipality, two of the largest and most developed metropolitan areas in China. Kunshan is regarded as one of the most economically successful county-level administrations in China. It was ranked first in the "25 Best County-level Cities in China" study by Forbes China for the sixth year running in 2014. With an immigrant population larger than the number of its permanent residents, Kunshan is the winner of the UN-HABITAT Scroll of Honor Award 2010.
along with Singapore and Vienna, the most prestigious award given by the United Nations in recognition of work carried out in the field of human settlements development, for its innovative approach to granting migrants the right to essential services in the city. It also carries titles and awards such as National Hygiene City, Excellent Tourism City of China, and National Garden City, as well as the National Model City of Environment Protection and National Model Zone of Ecology.

Kunshan is culturally significant as the origin of Kunshan Diao, the melody which ultimately evolved into Kunqu Opera, one of China’s oldest extant theater arts, which has been listed as one of the World Intangible Culture Heritages by UNESCO. In history, famous figures include Zu Chongzhi, Gong Xian, Gu Yanwu, Gui Youguang, and Zhu Bailu.

The Duke Office of Duke Kunshan University Relations

The Duke Office of Duke Kunshan University Relations works in close collaboration with Duke and DKU stakeholders to develop and support initiatives across our institutions, including:

- Developing strategy for the Duke-DKU relationship,
- Creating and implementing programs for undergraduate and graduate students,
- Facilitating opportunities for faculty to teach and engage in research at Duke and DKU,
- And providing administrative, financial, human resources, and logistical support for all Duke-DKU initiatives.

The Duke Office of Duke Kunshan University Relations is located on the second floor of the Flowers Building on Duke’s West Campus. Students can reach the office by using the information below or by contacting a staff member directly.

Mailing Address
Duke Office of Duke Kunshan University Relations Box 90036
Durham, NC 27708

Physical Address
Office of Duke Kunshan University Programs 404 Chapel Drive
Flowers Building, Suite 214 Durham, NC 27708

Phone: (919) 684-1958
Fax: (919) 668-7860
Email: dkurelations@duke.edu

Duke Kunshan University Dual-Degree Program

Admissions

Admissions

Per Duke’s Collaboration Agreement with Duke Kunshan University (Duke Kunshan) for the dual-degree framework, Duke collaborated with Duke Kunshan to establish and approve standards for admissions that are consistent with those at Duke now and in the future, while also meeting China’s Ministry of Education requirements.

Duke Kunshan strives to attract a high caliber, diverse and talented group of students from around the world.

The admission criteria are similar to those at Duke University. While academic excellence and accomplishments, broadly defined, are important factors for admissions consideration, Duke Kunshan highly values a student’s ‘adventurous’ spirit, global orientation, ability to overcome obstacles, and potential to positively impact the campus and community life.

International Student Admissions

Early Decision. The application deadline is in early November. International applications are reviewed by an Admissions Committee and select applicants are invited for video interviews in late November. Admission offers are released in December.

Regular Decision. The application deadline is in early January. International applications are reviewed by an Admissions Committee. Select applicants are invited for video interviews between January and March. Admission offers are released in March.

Financial Aid Application. Students who want to be considered for financial aid should complete a CSS Profile application with their admissions application. Final deadlines are November 15 for Early Decision applicants and February 1 for Regular Decision applicants. Students applying to Duke and Duke Kunshan should prepare separate CSS Profile applications for each institution.

Chinese Student Admissions. Applicants with Chinese citizenship may submit an application in round one (early January) or round two (mid-February). Selected applicants are invited to participate in a one-day Campus Day event on weekends in March and April, during which the applicants take a written English test and an interview conducted in English. Shortlisted applicants are notified of their status in April and final offers are made once Gaokao scores (for Chinese mainland students) or other equivalent tests (for Chinese students in Hong Kong, Macau, and Taiwan) are announced in June and July.

How to Apply
Standards and Policies

Academic Concerns of Students

Teaching and learning is based on collaboration between instructors and students. Occasionally, however, the student-faculty dynamic in a course can inhibit successful teaching and learning. When this occurs, students often need assistance in resolving the issue, and should not hesitate to seek assistance from faculty and administrative officers in resolving problems.

Students who have questions about the content of a course taken on the Duke campus or as part of a Duke-In study abroad academic program, about an instructor’s methods of presentation of material, the level of discourse, criteria for evaluation of students, or administrative procedures in the course, should contact the course instructor. Even if a student doubts that a productive discussion with the instructor is possible, they are best positioned to address student concerns and are often the best first point of contact before a matter is referred to the director of undergraduate studies or, in their absence, to the chair of the department. Students should be able to resolve most course-related academic concerns through direct consultation with the instructor.

However, in exceptional cases in which a problem remains unresolved after informal discussions have taken place, students can appeal the matter to the senior associate dean of Trinity College or the senior associate dean for education at the Pratt School of Engineering. The senior associate dean will request information about the nature of the issue and about the earlier efforts students have made to resolve them. If the problem concerns a specific course, it should be directed to the senior associate dean of the college or school in which the course is taught.

- If a student concern involves a departmental policy rather than an individual course, students should confer with the director of undergraduate studies in the department. When necessary, the director of undergraduate studies can refer a student to the department chair. Students can also contact their academic dean if they are in doubt about how to proceed with a matter of concern.
- If a student concern involves a Duke instruction course or academic policy on the Duke Kunshan campus, students should refer to the relevant Duke Kunshan academic policies.

Finally, if a student’s academic concern arises from a poor course grade submitted by an instructor at the end of the semester for a course taken at Duke or as part of a Duke-In study abroad academic program, there is a separate procedure established for handling grade complaints.

Courses: Course Load at Duke

Students are admitted to full-time study and responsible to make certain that their course load conforms to academic requirements, including the requirement to enroll in at least 4.0 course credits during a semester at Duke, except when expressly authorized to enroll in an underload by their academic dean. This policy is strictly enforced.

Normal Load. A normal course load is defined as four (4.0) course credits and, as noted above, students are expected to enroll in at least this many course credits each semester.

Overload. Dual-degree students are free to enroll in a course overload of 4.5 course credits.

Underload. Dual-degree students are not eligible for an underload.
Courses: Repeating
Students in the dual-degree program should generally follow the course repeating policy in Trinity. An exception for the dual-degree program is that students may repeat a course taken at Duke at Duke Kunshan with approval.

Courses: Satisfactory/Unsatisfactory Grading Option
Students in the dual-degree program follow the Trinity policy on course grading and the satisfactory/unsatisfactory (S/U) option and DKU Study Away policy when enrolling in courses at Duke and follow the Duke Kunshan policy on course grading and the credit/no credit (CR/NC) option when enrolling in courses at Duke Kunshan. Students are not allowed to change a letter grade of a course taken at Duke to CR/NC when they return to Duke Kunshan.

Credit: Limitations and Restrictions
There are specific requirements concerning course credits in the dual-degree program and how these course credits apply to graduation requirements.

1. 34.0 Duke course credits are required for graduation.
2. At least 25% of the 34.0 Duke credits (8.5 Duke course credits) must be Duke-originated courses, defined as courses offered through Duke University or taught by Duke or Duke-affiliated faculty, and all are subject to the approval processes by relevant Duke course committees. Duke-originated courses include those taught at Duke University, the Duke University Marine Laboratory, Duke Kunshan University, and Duke-originated courses that are offered in Duke-In study away programs.
3. Up to 75% of the 34.0 Duke course credits may be non-Duke originated course credits and can include any combination of the following:
   - Two pre-matriculation credits, i.e., AP, International Placement Credit (IPC), and pre-matriculation Course Credit (PMC). If a student has more than two AP/IPC/PMC credits, Duke will record all of them on the Duke transcript and the student may use all for placement into higher-level coursework and to satisfy departmental major or minor requirements to the extent allowed by the individual department, but only 2.0 credits will count toward the 34.0 credits needed for graduation. If a student intends to graduate early, they may apply additional AP/IPC/PMC credits toward the 34.0 credits required for graduation, but the student is still subject to the required number of Duke-originated courses taken post-matriculation.
   - Two institutional transfer credits arranged by the student on their own at another accredited, four-year university or college in the United States or abroad.
   - Ten study away/abroad transfer credits that students take through an approved study away/abroad program. However, the maximum number of credits when combining institutional and study abroad transfer credits cannot exceed ten.
   - Ten of the 34.0 Duke credits may be non-Duke- or non-DKU-originated credits and can include any combination of the above.
   - Transfer credits the student takes through Duke Kunshan.

Summer Session and Policies
Students are allowed to enroll in Duke Summer Session and register for one, two, or three courses as long as students do not exceed 2.5 course credits in one term. However, students may not register for more than one natural science laboratory course in any one term. Students on a J-1 visa are required to enroll in 2.0 course credits in the six-week term. Contact the Duke Visa Services office with any questions about requirements for maintaining visa status. For additional information on Trinity's summer session policies, see trinity.duke.edu/undergraduate/academic-policies/summer-sessions-and-policies.

Transfer Credit
After matriculation, dual-degree undergraduates may receive a limited amount of transfer credit for courses taken at other approved degree-granting institutions. Credit may be earned in two ways:

2. Through a limited amount of institutional enrollment, where students are not engaged in a Duke-approved study abroad program and instead enroll on their own at another four-year college or university in or outside of the United States. This type of transfer credit is subject to approval from the relevant academic dean at Duke.

Graduation: Requirements
Duke/Duke Kunshan dual-degree undergraduates may earn one of two Duke degrees:

- Bachelor of Arts (AB)
- Bachelor of Science (BS)

The Duke Kunshan University curriculum is designed to meet the requirements outlined for both the Duke and Duke Kunshan undergraduate degrees. A total of 136.0 Duke Kunshan credits is required for graduation with a Duke Kunshan bachelor’s degree and 34.0 Duke course credits (1.0 Duke course credit is equivalent to 4.0 Duke Kunshan credits) is required for graduation with a Duke bachelor's degree. At least 25 percent of the credit hours required for the undergraduate degree must be completed through Duke-originated courses.
To meet the 136.0 credit requirement, students need to take elective courses. The curriculum is designed to enable a wide range of flexibility for students. Some may elect to use their full range of electives to go wide and broad while others may elect to dive deep into their areas of disciplinary study.

There are additional credit-bearing requirements for the Duke Kunshan degree for students from the Chinese mainland, Hong Kong, Macau, and Taiwan per Chinese Ministry of Education requirements. The details of these requirements are listed in Duke Kunshan University's Undergraduate Bulletin.

Duke University and Duke Kunshan University each confer separate degrees on candidates recommended by the faculty of the interdisciplinary majors and approved by the trustees (or other top-level governing body) at each respective academic institution.

**Leave of Absence: Medical or Personal**

While studying at Duke, students in the dual-degree program may request a medical or personal leave. If a student is contemplating a medical leave, consult with their academic dean as soon as possible. The academic dean will work with the dean of undergraduate studies at Duke Kunshan to process the request. A student must resubmit a Duke Kunshan University Study at Duke program application to return for study at Duke.

**Withdrawal: Voluntary**

While studying at Duke, students may choose to withdraw for health or financial issues, or personal reasons. To withdraw, students must meet with their academic dean, and their academic dean will work with the dean of undergraduate studies at Duke Kunshan to process the request. A student must resubmit a Duke Kunshan University Study at Duke program application to return for study at Duke.

**Withdrawal: Disciplinary Suspension**

While studying at Duke, if a student violates university expectations as outlined in *The Duke Community Standard in Practice: A Guide for Undergraduates*, the student may be subject to suspension (an involuntary withdrawal or dismissal from the university for a specified number of semesters) or permanent expulsion. If a student is found responsible for a conduct violation that leads to a suspension from the university, the Office of Student Conduct will notify the student and the academic dean of that decision. The student’s academic dean will work with the dean of undergraduate studies at Duke Kunshan to withdraw the student from both Duke and Duke Kunshan, close the student’s student record, and notify the advisors, instructors, and all appropriate offices. The withdrawal will be entered on the student record.

**Curriculum Components**

The Duke Kunshan curriculum begins from liberal arts principles and is imbued with the hallmarks of a Duke education blended with Chinese tradition: interdisciplinary approaches, engagement with research questions, problem-based and team-based learning, and opportunities for students to craft individual pathways and deepen their intellectual engagement over time. It is a kind of education that builds critical and problem-solving skills, simultaneously conferring a broad base of knowledge and fostering the ability to interrogate that knowledge and apply it flexibly. It is also deeply cross-cultural in its orientation: Duke Kunshan gives all participants the continual experience of learning to see from multiple points of view and to work together across cultural boundaries—a crucial skill for the future.

**A Liberal Arts College Experience**

The small-scale residential setting at Duke Kunshan offers significant opportunities for innovative and integrated forms of learning, an especially close connection between faculty and students, and the intermixing of students with different interests. In addition, Duke Kunshan offers creative alignment between its undergraduate curriculum and selected areas of research strength at Duke Kunshan and at Duke University.

**The Kunshan Campus**

The Duke Kunshan Campus is located in the newly developed west side of Kunshan. It is approximately a twenty-minute drive to the city center of Kunshan.

All students are required to live in on-campus housing for the first year and designated off campus housing for the rest of their study. Graduate students may live off campus after approval from Residence Life.

The Duke Kunshan campus features the Academic Center, Student Residences, Faculty Residences, the Services Building, Conference Center, and Innovation Building. The buildings surround a tranquil lake with walkways over water that join at a central pagoda. The second phase of campus construction, including the main library, additional classrooms, research building, student and faculty housing, and athletic facilities is currently underway.

**Academic Building**

With offices and classrooms over three floors, the building houses teaching programs and administrative staff, as well as an auditorium, library, ballroom, cafeteria, dining room, and cafe. An open central atrium serves as a campus “living room,” emblematic of Duke Kunshan’s emphasis on collaboration and community. The atrium and roof terraces provide views of the campus and a lake to the west.
Innovation Building
Over three stories, the building houses laboratories set up with cutting-edge equipment, classrooms, faculty offices, and conference rooms.

Library Resources
The Duke Kunshan Library is currently located on the first and second floors of the Academic Building. It operates in collaboration with Duke University Libraries (DUL) on the Durham campus and supports the research, instruction, and learning needs of Duke Kunshan faculty, staff, and students.

The Duke Kunshan Library website (dukekunshan.edu.cn/en/academics/library) provides access to the library's resources and services provided by the Duke Kunshan Library.

Additional Resources
The Duke Kunshan campus offers a vast number of academic support services, amenities, housing, and other campus-based resources. A complete list of campus-based resources can be found in the Duke Kunshan University Student Handbook.

Curriculum Overview
In line with the definition of dual-degree agreements as defined by the Southern Association of College and Schools Commission on Colleges, students who complete Duke Kunshan University's four-year undergraduate curriculum will receive two degrees, one from Duke University (accredited by the Southern Association of Colleges and Schools Commission of Colleges), and one from Duke Kunshan University (approved by the Ministry of Education of China), and will be alumni of both institutions. All students must fulfill the requirements for both Duke University and Duke Kunshan University degrees.

The undergraduate academic program at Duke Kunshan is organized into three divisions, rather than by traditional academic departments:

1. Natural Sciences
2. Arts and Humanities
3. Social Sciences

Students take foundational courses in their division as well as broad, integrated interdisciplinary courses and disciplinary courses to gain specific expertise for their major. Depending on division and language proficiency, eight to thirteen of students' courses are electives. These courses enable them to deepen their interests or explore more broadly.

Students can choose their majors based on their interests by combining different forms of specialized training with their overall integrated plan of study. This structure allows students to follow a unique academic path that suits their intellectual drive.

For a complete list of majors offered at Duke Kunshan University, visit ugstudies.dukekunshan.edu.cn/academics/majors.

To meet Duke Kunshan's rigorous academic requirements for graduation, all students must complete the Common Core and language course requirements as well as demonstrate proficiency in communication skills.

Curriculum Components

1. **Common Core (3 courses).** These courses create a common platform for cross-cultural engagement, ensuring that all students share the same experience. They focus on the big questions, critical challenges, and issues with which all students must be prepared to engage. Students take one course each year for the first three years.
   - **China in the World** focuses on historical and contemporary commercial, intellectual, and scientific exchanges between China and other nations.
   - **Global Challenges in Science, Technology, and Health,** which addresses key developments in fields such as biotechnology, nanotechnology, and information technology, highlights the global environmental challenges of our time, and teaches strategies for critically evaluating scientific claims.
   - **Ethics, Citizenship, and the Examined Life** examines traditional Asian and Western ideals and contemporary analyses of morality, pluralism, and democracy.

2. **Language (2-4 courses depending on proficiency).** One of Duke Kunshan University's goals is for students to graduate with strong skills in multiple languages, especially English and Chinese. To this end, all students are required to take 2-4 foreign language courses appropriate to their needs.

3. **Communication (Writing, Speaking, and Listening).** In the twenty-first century, success in both career and civic life requires the ability to communicate effectively. To ensure that Duke Kunshan students develop these abilities, guided practice in writing, speaking, and listening will be a component in the majority of courses.

4. **The Semester Term.** The semester is divided into two intensive 7-week sessions. Students typically take two courses in each session. Classes are held Monday-Thursday. Fridays and mini-sessions falling between the 7-week sessions are intended for experiential learning including field trips, internships, and civic engagement.

5. **Mini-Term Courses.** All students are required to take one ungraded mini-term course. These are intensive courses that typically last a week and provide focused exposure to a single topic about which a student might have curiosity but no experience.
6. **Signature Work.** During their sophomore year, students work with their faculty mentors to begin identifying the major questions, problems, or issues on which they would like to focus. Students create a portfolio to demonstrate their progress and the new products they create for scholarly, private sector, and public audiences. These products will be drawn from a number of experiences inside and outside of the classroom including mentored research, creative expression, internships, community-based fieldwork, and other civic projects.

7. **Research.** All undergraduate students have opportunities to participate directly in advanced academic research. Advisors and faculty mentors help match students to research projects that are complementary to their areas of study.

**Courses**

Course credit at Duke Kunshan University follows the same standard as Duke University in terms of instruction hours and class study hours. Of the 34 course credits required for graduation, a maximum of two course credits passed with a D grade (D, D+, D-) can be used toward the 34 course credit requirement. The 34 course credits may include: (1) no more than 0.5 course credits in physical education activity courses (i.e., two activity PE courses); (2) no more than four elective courses taken on a Pass/Fail grading basis (not including courses offered only on that basis); (3) no more than 10 course credits combining any allowable transfer credits including AP/IPC/PMC, transfer credits for study abroad, etc.; and (4) no more than 6.0 course credits in the graduate and professional school. These courses include those offered by Duke Kunshan University’s MMS, MP, and MEP programs; Duke University schools of business, law, divinity, and nursing; and all Duke University graduate courses numbered 500 and above. These courses are generally not open to undergraduates and require special permission to enroll.

**Duke Instruction Courses at Duke Kunshan University**

Duke Kunshan students have the opportunity to take classes from Duke faculty on the Kunshan campus. The Duke Instruction coursework appears on both the Duke Kunshan transcript and the Duke transcript. The Duke transcript will reflect the Duke course and the corresponding grade for the particular term completed. The list below represents the current Duke instruction courses at Duke Kunshan.

**Major and Degree Requirements**

**Major and Degree Requirements**

Duke/Duke Kunshan University dual-degree undergraduate majors foster learning communities of students and faculty whose intellectual interactions revolve around two groups:

1. **Interdisciplinary study,** which laterally spans a variety of disciplines. The big questions at the core of each interdisciplinary community will probe a variety of disciplines, voices, viewpoints, and expertise.

2. **Disciplinary study,** which is akin to, or even entirely aligned with, a traditional vertical discipline. This community provides discipline-specific training in methods, knowledge, and skills.

The dual structure is also flexible to accommodate a variety of student goals and outcomes. Some students might choose to pursue a less deep path in the disciplinary study while focusing more on developing broad expertise in the questions underlying the interdisciplinary study—and in that case, the outcome can be a powerful integrative education for students whose goal is not graduate school or specialized study. This approach allows for a highy integrative, team-based approach to problem-solving and knowledge acquisition. For students oriented toward graduate study, the integrative and outward-looking approach in the interdisciplinary study broadens and enriches their deeper specialist expertise. Our expectation is that a student with deep expertise who also has interacted in a significant, deep way with an interdisciplinary group focused on big questions will be more, not less, appealing to graduate schools or other specialty pursuits. For certain disciplines, students oriented towards graduate school may also need to use some electives, guided independent studies, online courses, and study abroad courses to deepen expertise beyond the seven courses required for disciplinary study.

**Curricular and Credit Requirements**

The Duke Kunshan University curriculum is designed to meet the requirements outlined for both the Duke and Duke Kunshan undergraduate degrees. A total of 136 Duke Kunshan credits is required for graduation with a Duke Kunshan bachelor’s degree and 34 course credits (1 Duke course credit is equivalent to 4 Duke Kunshan credits) is required for graduation with a Duke bachelor’s degree. At least 25 percent of the credit hours required for an undergraduate degree must be completed through Duke University courses.

To meet the 136-credit requirement, students need to take elective courses. The curriculum is designed to enable a wide range of flexibility for students. Some may elect to use their full range of electives to go wide and broad while others may elect to dive deep into their areas of disciplinary study.

There are additional credit-bearing requirements for the Duke Kunshan degree or students from mainland China, Hong Kong, Macau, and Taiwan per Chinese Ministry of Education requirements. The details of these requirements are listed in Part 3: The Curriculum of the Duke Kunshan Undergraduate Bulletin.

Duke University and Duke Kunshan University each confer separate degrees on candidates recommended by the faculty of the interdisciplinary majors and approved by the trustees (or other top-level governing body) at each respective academic institution. These components are reflected in specific requirements:
**General Education**

- 3 common core courses
- 2-4 language courses depending on proficiency
- 3 electives as distributional requirements
- 1 Quantitative Reasoning course

**Major**

- 16-19 courses (foundation, interdisciplinary, disciplinary, and signature work)
  - Interdisciplinary BA: All subplan requirements that map to the BA degree
  - Interdisciplinary BS: All subplan requirements that map to the BS degree

**Electives**

- 8-13 courses depending on division and language proficiency, which include the three electives as distributional requirements and a Quantitative Reasoning course in General Education

Courses required for each major include **Divisional Foundation courses**, **Interdisciplinary Studies courses**, **Disciplinary Studies courses**, **Signature Work**, and **Experiential Education**. The detailed course requirement for each major is listed in Part 9: Majors of the Duke Kunshan Undergraduate Bulletin. Students are responsible for meeting the requirements of a major as stated in the bulletin for the year in which they matriculated; however, they have the option of meeting requirements in the major changed subsequent to the students' matriculation.

**Divisional Foundation Courses**

Divisional Foundation courses provide opportunities to develop knowledge and skills essential to advanced work in each division. Each set of Divisional Foundation courses also provides instruction and guided practice in specialized communication skills.

**Interdisciplinary Studies Courses**

Interdisciplinary courses are characterized by distinct curricular pathways spanning several traditional disciplines. These are broad but defined areas of study that encourage integrative and multidisciplinary habits of inquiry and knowledge acquisition. The interdisciplinary component of a major serves as a primary definition of the student's academic community. It requires 4 to 7 courses and might be problem-focused, comparative and cross-cultural, or innovatively fused within or across divisions. In the social sciences and the arts and humanities communities, students in their third and/or fourth years will undertake advanced seminars that enable them to integrate their studies from more specialized areas.

**Disciplinary Studies Courses**

Students will also develop a disciplinary study, which will often map to the tools and methods of a traditional discipline and further enable students to be competitive for graduate school or other advanced work.

**Signature Work and Experiential Education**

Duke Kunshan University graduates will have experience addressing complex problems outside the classroom as well as within, developing these skills through Signature Work. Signature Work encourages students to seek creative alignments between curricular pathways and to engage in experiential learning that leads to the creation of knowledge and products for the scholarly, private sector, and public audiences.

Signature Work calls for each student to identify one or more questions, problems, or issues that are of particular importance to themselves and to society, and to investigate these through a combination of curricular and related co-curricular experiences. Students develop guided pathways, identify questions, and undertake projects early in their academic careers. During the sophomore year, students work with their advisors and faculty mentors to begin identifying the major questions, problems, or issues on which they would like to work, and to develop a pathway that includes three thematically linked courses drawn from students' interdisciplinary studies, disciplinary studies or electives, one or more co-curricular experiences, and two capstone courses in which a student creates a substantial scholarly or creative signature product. Experiences derived from the co-curricular experiential learning component should establish, build on, solidify, or enhance academic work aligned with the Signature Work project. These experiences should help DKU undergraduate students prepare for their next steps beyond DKU. Experiential learning activities might include, but are not limited to, internships, practica, laboratory work, creative arts-based projects, entrepreneurship-based projects, community-based fieldwork, or other civic projects. The signature product will vary across fields and disciplines, but will always include substantial writing, reflection on learning, and publicly visible results. A student's pathway will be developed by the end of the sophomore, or the beginning of the junior year, at the latest. In the junior and senior years, a student will create an e-portfolio that captures both the signature product a student has produced and a narrative explaining the larger inquiry informing their pathway.

**Dual-Degree Major and Degree Comparisons**

Undergraduate dual-degree majors at Duke Kunshan University map to a single major (Interdisciplinary Studies), and either a bachelor of arts or science degree. While the interdisciplinary and disciplinary academic content areas are listed as “majors” at Duke Kunshan, they are listed as tracks and areas of focus at Duke.

The following chart illustrates how Duke and Duke Kunshan University majors map between institutions.

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### Interdisciplinary Tracks and Areas of Focus

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<thead>
<tr>
<th>DUKE UNIVERSITY</th>
<th>DUKE KUNSHAN UNIVERSITY</th>
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<tbody>
<tr>
<td><strong>Interdisciplinary Studies – Bachelor of Arts</strong></td>
<td><strong>Interdisciplinary Studies – Bachelor of Science</strong></td>
</tr>
<tr>
<td>Computation and Design/Digital Media – Bachelor of Arts</td>
<td>Applied Mathematics and Computational Science/Computer Science – Bachelor of Science</td>
</tr>
<tr>
<td>Computation and Design/Social Policy – Bachelor of Science</td>
<td>Applied Mathematics and Computational Science/Math – Bachelor of Science</td>
</tr>
<tr>
<td>Cultures and Movements/Cultural Anthropology – Bachelor of Literature</td>
<td>Behavioral Science/Neuroscience – Bachelor of Science</td>
</tr>
<tr>
<td>Cultures and Movements/History – Bachelor of Literature</td>
<td>Behavioral Science/Psychology – Bachelor of Science</td>
</tr>
<tr>
<td>Cultures and Movements/Sociology – Bachelor of Literature</td>
<td>Computation and Design/Computer Science – Bachelor of Science</td>
</tr>
<tr>
<td>Environmental Science/Public Policy – Bachelor of Science</td>
<td>Data Science – Bachelor of Science</td>
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<tr>
<td>Ethics and Leadership/Philosophy – Bachelor of History</td>
<td>Environmental Science/Biogeochemistry – Bachelor of Science</td>
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<tr>
<td>Ethics and Leadership/Public Policy – Bachelor of Law</td>
<td>Environmental Science/Biology – Bachelor of Science</td>
</tr>
<tr>
<td>Ethics and Leadership/Religious Studies – Bachelor of History</td>
<td>Environmental Science/Chemistry – Bachelor of Science</td>
</tr>
<tr>
<td>Global China Studies/Economics – Bachelor of Economics</td>
<td>Global Health/Biology – Bachelor of Science</td>
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<td>Global China Studies/History – Bachelor of History</td>
<td>Global Health/Chemistry – Bachelor of Engineering</td>
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<tr>
<td>Global China Studies/Philosophy – Bachelor of History</td>
<td>Materials Science/Chemistry – Bachelor of Engineering</td>
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<td>Global China Studies/Political Science – Bachelor of Law</td>
<td>Materials Science/Physics – Bachelor of Engineering</td>
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<td>Global China Studies/Religious Studies – Bachelor of History</td>
<td>Molecular Bioscience/Biogeochemistry – Bachelor of Science</td>
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<td>Global Cultural Studies/History – Bachelor of Literature</td>
<td>Molecular Bioscience/Biophysics – Bachelor of Science</td>
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<td>Global Cultural Studies/Literature – Bachelor of Literature</td>
<td>Molecular Bioscience/Cell &amp; Molecular Biology – Bachelor of Science</td>
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<td>Global Health/Public Policy – Bachelor of Science</td>
<td>Molecular Bioscience/Genetics and Genomics – Bachelor of Science</td>
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<td>Institutions and Governance/Economics – Bachelor of Economics</td>
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<td>Institutions and Governance/Political Science – Bachelor of Law</td>
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<td>Institutions and Governance/Public Policy – Bachelor of Law</td>
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<td>Media &amp; Arts/History – Bachelor of Arts</td>
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<td>Media &amp; Arts/Creative Practice – Bachelor of Arts</td>
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<td>Political Economy/Economics – Bachelor of Economics</td>
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<td>Political Economy/Public Policy – Bachelor of Law</td>
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<td>US Studies/History – Bachelor of Literature</td>
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<td>US Studies/Public Policy – Bachelor of Law</td>
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For detailed information regarding interdisciplinary areas and disciplinary tracks and areas of focus specific to each major, visit ugstudies.dukekunshan.edu.cn/academics/majors.

### All Courses

<table>
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<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>AAAS</td>
<td>102</td>
<td><strong>AAAS102 - Introduction to African American Studies</strong></td>
<td>A range of disciplinary perspectives on key topics in African American Studies: slavery and abolitionism, theories of race and racism, gender and race, the era of Jim Crow, cultural expressions, political and intellectual thought, African American freedom struggles from the seventeenth through the twentieth centuries, and race and public policy.</td>
</tr>
<tr>
<td>AAAS</td>
<td>103</td>
<td><strong>AAAS103 - Introduction to African Studies (DS3 or DS4)</strong></td>
<td>A range of disciplinary perspectives on key topics in contemporary African Studies: nationalism and pan-Africanism, imperialism and colonialism, genocide and famine, development and democratization, art and music, age and gender.</td>
</tr>
<tr>
<td>AAAS</td>
<td>104</td>
<td><strong>AAAS104 - Introduction to Latino/a Studies in the Global South</strong></td>
<td>Introduction to the interdisciplinary field of Latino/a Studies, and how it reconfigures the study of the United States and the Americas. Considers literature, history, sociology, economics, politics, culture and language in examining terms such as: Latino, latinidad, Global South, transnational, globalization, and multiculturalism. Exploration of alignments and divergences of Latino/a Studies with African and African American Studies, Latin American and Caribbean Studies, and Critical US Studies. Classroom learning will connect with the community outside of Duke. Required introductory course for students in the Latino/a Studies in the Global South certificate program.</td>
</tr>
<tr>
<td>AAAS</td>
<td>104S</td>
<td><strong>AAAS104S - Introduction to Latino/a Studies in the Global South</strong></td>
<td>Intro to the interdisciplinary field of Latino/a Studies, and how it reconfigures the study of the United States and the Americas. Considers literature, history, sociology, economics, politics, culture and language in examining terms such as: Latino, latinidad, Global South, transnational, globalization, and multiculturalism. Exploration of alignments and divergences of Latino/a Studies with African and African American Studies, Latin American and Caribbean Studies, and Critical US Studies. Classroom learning will connect with the community outside of Duke. Required intro course for students in the Latino/a Studies in the Global South certificate program.</td>
</tr>
<tr>
<td>AAAS</td>
<td>110S</td>
<td><strong>AAAS110S - Embodied Blackness</strong></td>
<td>How is race embodied and how are bodies racialized? How do gender, sexuality, class, size, perceived beauty, and ability mutually influence embodiment? This course considers anthropological and historical studies of the body, with a critical focus on Blackness. We investigate how Black human bodies are othered, valued, dehumanized, and experienced, across time and space, with a particular focus on the United States.</td>
</tr>
<tr>
<td>AAAS</td>
<td>117FS</td>
<td><strong>AAAS117FS - Race and Language</strong></td>
<td>We will examine the relationship between race and language by interrogating texts in medical ethics, gleaning from them wider lessons for navigating prior controversies at the juncture of racial and social difference and medicine (for instance, phrenology and eugenics). We will also examine features of medical and scientific practice that overlap with the study of language, such as contract, disclosure, survey design and policymaking, and how the medical profession and medical practice work to correct past mistakes in interactions with different communities of race.</td>
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</tbody>
</table>
### AAAS133S - Gateway Seminar: Civil Rights and Asian Americans

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<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>AAAS</td>
<td>133S</td>
<td>Gateway Seminar: Civil Rights and Asian Americans</td>
</tr>
</tbody>
</table>

**Description**
Study of crucial legal and political moments in the struggle for equal civil rights of minorities, beginning with the laws of Chinese Exclusion, the struggle to define who was 'White,' the Asian Immigration Exclusion Acts, the relationships of Asians and African Americans and the struggle for equal schooling in the American South, the Japanese Concentration camps, the Redress and Reparations Civil Rights struggle, and the involvement of Asians Americans in the African American-led Civil Rights Movement in the 1960s, including working with Martin Luther King and Malcolm X, and Asian Americans in the anti-sweatshop unionization movement.

### AAAS134 - Old Worlds/New Histories, 500-1500 CE

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<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>AAAS</td>
<td>134</td>
<td>Old Worlds/New Histories, 500-1500 CE</td>
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</table>

**Description**
New approaches to history of the world from ca. 500 to 1500 CE. Examines the world before European hegemony. Topics may include nature of autonomous centers of production around the globe; characteristics of trade, empire, science, technology, and high culture across Asia, the Middle East, Africa and the Americas; diffusion of inventions, ideas, cultures and religions through travel, trade, state and empire building. Readings and films explore diverse cosmopolitan worlds before the coming of modernity.

### AAAS139 - History of Rock: Rhythm & Blues and Rock & Roll to Indie Rock and Hip-Hop

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<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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<tbody>
<tr>
<td>AAAS</td>
<td>139</td>
<td>History of Rock: Rhythm &amp; Blues and Rock &amp; Roll to Indie Rock and Hip-Hop</td>
</tr>
</tbody>
</table>

**Description**
The history of rock music from the 1950s to the present. Beginning with its roots in rhythm and blues, country and western, and commercial pop, examination of diverse musical styles, artists and bands, and the many historical, technological, and cultural factors that have contributed to the rise and popularity of rock music.

### AAAS140 - Introduction to Jazz

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<th>Title</th>
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<tr>
<td>AAAS</td>
<td>140</td>
<td>Introduction to Jazz</td>
</tr>
</tbody>
</table>

**Description**
Lecture version of Music 140D.
**AAAS146 - Motown and American Soul Music**

**Subject:** AAAS  
**Catalog Number:** 146  
**Title:** Motown and American Soul Music

**Description**  
During the 1960's, in Detroit, Michigan, a landmark in music was established: The Motown Sound. This aural kaleidoscope of high quality, dynamic song creation was established through a confluence of talent and hard work by people whose names now line the halls of fame for popular music. Some of these luminaries include Berry Gordy, Diana Ross, Stevie Wonder, Marvin Gaye, and Holland-Dozier-Holland. This course will investigate the societal and musical factors that gave rise to such a distinctive aesthetic, also framing this phenomenon as a point of comparison to a range of commercial music styles, including Philly Soul, Southern Soul, RnB, and current musical trends.

**AAAS171 - Business Anthropology: Anthropologists in the Workplace**

**Subject:** AAAS  
**Catalog Number:** 171  
**Title:** Business Anthropology: Anthropologists in the Workplace

**Description**  
Introduces students to the various applications of anthropological theory and ethnographic method in contemporary institutional settings with the aim of familiarizing students with alternative career opportunities. The course looks at corporate and other private and public-sector use cases as well as the extensive literatures in the fields of organizational management, user, and consumer experience. Students also engage professionals in order to better understand processes of research, hypothesis testing, analysis, and the formulation of organizational management, design, and other strategic solutions for clients.

**AAAS173S - The Ways and Wisdom of First-Gen College Students**

**Subject:** AAAS  
**Catalog Number:** 173S  
**Title:** The Ways and Wisdom of First-Gen College Students

**Description**  
This course examines the experience of first-generation college students, including their unique challenges, strategies, observations, and analyses. It is intended equally for students of all backgrounds and will, through the ethnographic method, train students in empathetic listening and participant-observation, as well as socially contextualized and cross-culturally comparative analysis.

**AAAS180S - Gateway Seminar: The History of the U.S. South**

**Subject:** AAAS  
**Catalog Number:** 180S  
**Title:** Gateway Seminar: The History of the U.S. South

**Description**  
This course examines the history of the South from the colonial era to the present. The first part traces the rise of the plantation economy based on human bondage, the slaves' wars and other abolition movements, the Civil War, emancipation, and the destruction of the most powerful slaveholding society in the Atlantic world. The second part traces postwar efforts to build a democratic South, the rise of the Jim Crow system of segregation and disfranchisement, class struggles, the civil rights and abolition movements of the twentieth and twenty-first centuries, and southern culture. Students will acquire analytical and research skills using primary documents.
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<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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<tbody>
<tr>
<td>AAAS182S</td>
<td>182S</td>
<td>The Law in Slavery and Freedom</td>
</tr>
<tr>
<td>AAAS185S</td>
<td>185S</td>
<td>African Hashtag Activism</td>
</tr>
<tr>
<td>AAAS187FS</td>
<td>187FS</td>
<td>Biological Impact of Racism and the Legacy of John Henry</td>
</tr>
<tr>
<td>AAAS188</td>
<td>188</td>
<td>Black Music and the Soul of America</td>
</tr>
<tr>
<td>AAAS190</td>
<td>190</td>
<td>Special Topics</td>
</tr>
<tr>
<td>AAAS190A</td>
<td>190A</td>
<td>Duke-Administered Study Abroad: Special Topics in African &amp; African American Studies</td>
</tr>
</tbody>
</table>

### AAAS182S - The Law in Slavery and Freedom

**Subject**: AAAS

**Catalog Number**: 182S

**Title**: The Law in Slavery and Freedom

**Description**

This course focuses on the relationship between slavery, race, and the law. It explores the dimensions and variability of the formal law of slavery, how it addressed the category of slave, codified the powers of slaveholders, and interacted with politics and culture to shape the institution of slavery and the making of the ideology of race. We will study primary documents such as trial transcripts, appellate opinions, treatises, codes, first-person narratives, and secondary work by legal scholars and historians. The course supports the development of skills in critical inquiry, research, and writing leading to the production of a final project based in original research.

### AAAS185S - African Hashtag Activism

**Subject**: AAAS

**Catalog Number**: 185S

**Title**: African Hashtag Activism

**Description**

The technological leapfrogging of the last three decades introduced mobile and smartphone technologies to Africans radically altering the modes of organizing available to women, members of the LGBTQI+ community, and other vulnerable groups. But beyond giving voice to local concerns, African opinions and perspectives are also directed towards larger conversations about climate change action, resistance to US hegemony, and the role China plays in African development.

### AAAS187FS - Biological Impact of Racism and the Legacy of John Henry

**Subject**: AAAS

**Catalog Number**: 187FS

**Title**: Biological Impact of Racism and the Legacy of John Henry

**Description**

Racial differences in health outcomes and their social, historical, and epigenetic origins. The biological impact of the experience of racism on Black, Indigenous, Asian, and Latinx people as well as newly acculturating immigrants. How the stress of racism is codified in biological systems including increased inflammation; changes in gene expression; alterations in immune function; placental functioning; telomere shortening; physiological ‘weathering’; and possible changes in life history. Research on how to build resiliency and mechanisms for managing stress. Offered only in the Focus Program.

### AAAS188 - Black Music and the Soul of America

**Subject**: AAAS

**Catalog Number**: 188

**Title**: Black Music and the Soul of America

**Description**

This course traces the deep and pervasive impact African Americans have had on music in the United States. Musicians include Louis Armstrong, Bessie Smith, James Brown, Aretha Franklin, John Coltrane, Marian Anderson, Sam Cooke, Olly Wilson, Duke Ellington, Florence Price, William Grant Still, Alicia Keys, Kirk Franklin, and Megan Thee Stallion. The course demonstrates musical, cultural and political connections between these different streams of music and American society. Students will discover the myriad ways that the very soul of America has been conditioned by the practices of Black music.

### AAAS190 - Special Topics

**Subject**: AAAS

**Catalog Number**: 190

**Title**: Special Topics

**Description**

Topics vary from semester to semester.

### AAAS190A - Duke-Administered Study Abroad: Special Topics in African & African American Studies

**Subject**: AAAS

**Catalog Number**: 190A

**Title**: Duke-Administered Study Abroad: Special Topics in African & African American Studies

**Description**

Topics differ by section.
<table>
<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>AAAS190FS</td>
<td>190FS</td>
<td>Focus Program Seminars: Special Topics</td>
<td>Topics vary semester to semester. Open only to students in the Focus Program.</td>
</tr>
<tr>
<td>AAAS190S</td>
<td>190S</td>
<td>Special Topics</td>
<td>Seminar version of African &amp; African American Studies 190.</td>
</tr>
<tr>
<td>AAAS196FS</td>
<td>196FS</td>
<td>Patient and Research Participant Activism and Advocacy</td>
<td>In the 1960s, patients appropriated the language and tactics of the civil rights movement to advance clinical and research agendas. Today patient activism is evolving, leading to new solutions, dilemmas, and organizational structures. This course will examine patient and research participant activism and the ways it challenges conventional notions of expertise, amateurism, ‘human subjects protections,’ and minimization of risk. Students will bring the tools of journalism, anthropology, humanities scholarship, public policy and community engagement/citizen science to bear on ethical and policy questions. Open only to students in the Science &amp; the Public Focus Program cluster. Department consent required.</td>
</tr>
<tr>
<td>AAAS20</td>
<td>20</td>
<td>General African American Studies</td>
<td>Pre-matriculation credit awarded for a score of 4 or 5 on the College Board AP Examination (or the equivalent)</td>
</tr>
<tr>
<td>AAAS201</td>
<td>201</td>
<td>Race, Film, and Religion</td>
<td>In this course, we will examine how cinema both constructs and reproduces anti-black racism and how cinema works to liberate blackness from the strictures of racial domination. We will watch films from the past three decades that provide an opportunity to interrogate the relationship between race, gender, and sexuality. These films will also enable us to think about how cinema introduces unconventional notions of the sacred, a process that involves affect, desire, and imagination. Films that we watch may include: Moonlight, Medicine for Melancholy, Black Panther, Daughters of the Dust, Get Out, US, Pariah, and Selma.</td>
</tr>
<tr>
<td>AAAS202</td>
<td>202</td>
<td>Manifesto Workshop: Climate Change, Afro-/Solar Punk, and Performance</td>
<td>Manifesto Workshop: Afro-/Solarpunk, Climate Change, and Performance is a performance-based workshop that seeks to explore radical, embodied storytelling through the lenses of several manifestos: Afrofuturism, Solarpunk, Environmental Justice, and Queer Utopias. Through creative research, embodied ‘in(queer)y,’ and collaborative theater-making, the workshop will culminate in a public performance of original student work.</td>
</tr>
</tbody>
</table>
AAAS203 - Sport As Performance
Description
This course studies athletic cultures under rubrics provided by theater, performance studies, anthropology, media studies, and history to understand sports as ritual, theater, and performance. Our investigation includes professional and collegiate teams sports, as well as individual athletic performances. The course includes examinations of gender, race, and national identity in live events and the media. A twice-weekly seminar format features lectures, discussions, independent research projects, and guest speakers from the worlds of athletics, theater, and media.

AAAS207 - African Americans Since the Civil War
Description
Post-slavery black life and thought, as well as race relations and social change, during Reconstruction, Jim Crow, the Civil Rights and Black Power Movements, and contemporary times; ethical concepts and issues on human justice in the course of struggles for democracy, tolerance, and equality.

AAAS209 - Afro-Brazilian Culture and History
Description
Slavery and the post-emancipation trajectory of Afro-Brazilians in a racist society that officially proclaims itself a 'racial democracy.' Comparisons drawn with the Afro-American experience elsewhere in Latin America and the United States.

AAAS210 - Modern Africa
Description

AAAS211 - Anthropology of Money
Description
We will explore the history and theory of money – what it represents, how it circulates, the meanings it carries, its contemporary transformations – not only in the West but also in the global south. Some of the topics to be considered include shell currencies, gift economies, Ponzi schemes, paperless money, derivatives and futures, hedge funds, and global debt.

AAAS213 - Global Brazil
Description
Analysis of Brazilian history and culture from 1500 to the present in transnational context, with an emphasis on themes like slavery and race, regional cleavages, authoritarian rule, social inequality, and innovative attempts to expand democracy. Facilitates broad-based knowledge of a country of increasing global economic and diplomatic clout. Close examination of primary sources, including texts, images, music, and film.
**AAAS214S - South African Past and Present**

**Subject**
AAAS

**Catalog Number**
214S

**Title**
South African Past and Present

**Description**
Explores the history of modern South Africa from the beginning of the mineral revolution in the 1860s to the post-apartheid present. We will cover mining-centered industrialization, the emergence of Afrikaner and African nationalism, segregationist ideology, and the construction of apartheid. We will examine the plethora of anti-apartheid struggles, and the regional and wide-ranging global efforts to end apartheid and usher in democracy. The establishment and promise of multi-party democracy, the AIDS epidemic, and the reemergence of social movements are all topics we will consider and we will conclude by reflecting on the place of South Africa as a regional, continental, and world power.

**AAAS216S - Gender and Slavery in the Americas**

**Subject**
AAAS

**Catalog Number**
216S

**Title**
Gender and Slavery in the Americas

**Description**
Atlantic slave systems were gendered systems. Across lines of nation and empire, African-descended women and their reproductive labor were crucial to the formation of New World slave systems and the racial ideology that underwrote them. The study of gender is therefore critical in understanding slavery in the Americas. This course analyzes slave systems in North America, Latin America, and the Caribbean. Our aim will be to explore major points of emphasis in the histories of gender and slavery in these diverse locales. For their final project, students will have the opportunity to engage an area of this historiography more deeply in the form of a paper on a topic of their choosing.

**AAAS217S - The Atlantic Slave Trade**

**Subject**
AAAS

**Catalog Number**
217S

**Title**
The Atlantic Slave Trade

**Description**
The development of the slave trade from the fifteenth century to its abolition in the nineteenth century; organization and mechanics, impact on Europe, Africa, and the Americas.

**AAAS218 - The Caribbean, 1492-1700**

**Subject**
AAAS

**Catalog Number**
218

**Title**
The Caribbean, 1492-1700

**Description**
The Caribbean region from the arrival of Columbus (1492) to the emergence of sugar and slavery as powerful shapers of society and culture, by 1700.

**AAAS219 - War, Slavery, and Revolution in the Caribbean, 1700-1800**

**Subject**
AAAS

**Catalog Number**
219

**Title**
War, Slavery, and Revolution in the Caribbean, 1700-1800

**Description**
The development of Caribbean society and economy in the contexts of slavery, empire, international rivalry, and democratic revolution.

**AAAS220SL - West African Rootholds in Dance**

**Subject**
AAAS

**Catalog Number**
220SL

**Title**
West African Rootholds in Dance

**Description**
Lecture and dance laboratory exploring three West African traditional dance forms and their relationship to religious and social life in Africa and the Diaspora. Continuity and transformation of physical texts as cultural heritage, examined historically and aesthetically. Guest lecturers, videos, research project. Two lab sections, one for students with prior training in African Dance, and one for students with no experience.
### AAAS221SL - Capoeira: Practice and Culture

**Subject** | AAAS  
**Catalog Number** | 221SL  
**Title** | Capoeira: Practice and Culture  
**Description**  
Lecture/lab course introducing the movement, music and culture of capoeira, an Afro-Brazilian martial art that combines dance, self-defense and acrobatics. Created by male African slaves in Brazil several hundred years ago, viewed as a social threat and outlawed in the 19th century, celebrated as an element of national identity in the 20th century, today capoeira is rapidly crossing national, racial and gender borders as it becomes a popular global practice. Studio classes twice a week focus on the basic movements, percussive music and call-and-response singing. Seminar once a week focuses on the historical, cultural and socio-political dynamics that shape capoeira in Brazil and beyond.

### AAAS224 - African Diaspora Literature: Twentieth- and Twenty-First-Century Black Writers

**Subject** | AAAS  
**Catalog Number** | 224  
**Title** | African Diaspora Literature: Twentieth- and Twenty-First-Century Black Writers  
**Description**  
Late-nineteenth-century to contemporary writers, including African American, Caribbean, and African authors. Satisfies the Area III requirement for English majors.

### AAAS225S - Documenting Black Experiences

**Subject** | AAAS  
**Catalog Number** | 225S  
**Title** | Documenting Black Experiences  
**Description**  
Explores how Black experiences have been documented and how crucial stories woven from real life get told. Students engage wide ranging contemporary and historical materials, including nonfiction, memoir, fiction, documentary and dramatic film, theater, poetry and music. Our aspirations are historical, but with an understanding that academic history, though irreplaceable, barely touches the range of storytelling that makes Black lives not only matter but transform the spaces in which they unfold. Our explorations are political, but in the largest sense—how Black power comes from making higher truth a tool, a weapon and a way of being.

### AAAS226 - Crime and the City from Dickens to The Wire

**Subject** | AAAS  
**Catalog Number** | 226  
**Title** | Crime and the City from Dickens to The Wire  
**Description**  
Compares representation of crime and the city in two key texts: Charles Dickens’s ‘Oliver Twist’ and the HBO television series, ‘The Wire.’ Juxtaposes the social and political contexts to which each text refers, paying particular attention to the nature and causes of criminal activity therein. Explanations emphasizing individual or personal responsibility will be contrasted to those that take structural factors into account, including urban housing, public health, child labor, public education, poverty and its relief, urban governance, as well as the criminal justice system.
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<tbody>
<tr>
<td>AAAS</td>
<td>227</td>
<td>African American Art</td>
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**Description**
Emphasis on works derived from an Afro-United States cultural perspective. Major figures include Henry Ossawa Tanner, Aaron Douglas, Jacob Lawrence, Charles White, Elizabeth Catlett, Romare Bearden, Lois Mailou Jones, and others.

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<tr>
<td>AAAS</td>
<td>228S</td>
<td>Fictions That Mark the Moment</td>
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**Description**
Course is an engagement with novels from spectacular moments of history, an imagination of the future, a response to narrative conventions of realism and thinking with and against the grain of social understandings. Look at examples of historical, speculative, postcolonial, experimental, science, magical realist fictions and theoretical work. Will consider the means by which narratives produce or rely on ethical beliefs and arguments within the specifics of their world-making as well as the ethical problems presented by relations of power within the particular histories of the texts’ various moments.

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<tr>
<td>AAAS</td>
<td>229S</td>
<td>Performing African Diaspora</td>
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</tbody>
</table>

**Description**
The Black cultural contributions of globally popular performance genres such as salsa, capoeira and kizomba often remain unrecognized. The objectives of this class are: 1) to understand the historical, cultural and political forces that created the African Diaspora and its rich tapestry of dances. 2) to question our assumptions that knowledge is only produced through the mind; knowledge is also produced and transmitted through moving bodies. To meet these objectives, the course will be a combination of seminar and studio: in seminar we will engage readings in anthropology, dance and performances studies about specific dances which we will then learn in studio.

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<tr>
<td>AAAS</td>
<td>230</td>
<td>The South in Black and White</td>
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</table>

**Description**
Focus on present-day and historical documentary traditions in American South, with an emphasis on call and response between black and white cultures. The arts and humanities as embedded in particular histories and cultures found in the South, and as performed in music and theater; and portrayed in documentary films, civil rights photography, Southern literature, and historical and autobiographical writing. Includes historical texts, oral histories and testimonies of living persons, along with documentary films, photographs, and writings from people in Durham and elsewhere in the region.

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<tr>
<td>AAAS</td>
<td>230S</td>
<td>The South in Black and White</td>
</tr>
</tbody>
</table>

**Description**
Seminar with focus on present-day and historical documentary traditions in American South, with an emphasis on call and response between black and white cultures. The arts and humanities as embedded in particular histories and cultures found in the South, and as performed in music and theater; and portrayed in documentary films, civil rights photography, Southern literature, and historical and autobiographical writing. Includes historical texts, oral histories and testimonies of living persons, along with documentary films, photographs, and writings from people in Durham and elsewhere in the region.

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<tr>
<td>AAAS</td>
<td>232</td>
<td>Race, Power, and Identity: From Ali to Kaepernick</td>
</tr>
</tbody>
</table>

**Description**
Exploration of historic and contemporary psycho-social and socio-cultural aspects of the African American sport experience. Examination of research that addresses the effect of physical differences, racial stereotyping, identity development, gender issues, and social influences on African American sport participation patterns. Analysis of sport as a microcosm of society with an emphasis on examining associated educational and societal issues.
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<tbody>
<tr>
<td>AAAS</td>
<td>233S</td>
<td>Writing American Politics</td>
<td>Reading and writing intensive seminar focused on documentary works that document and discuss US politics and political movements. Engage and analyze historical and contemporary documentary media on the Populist movement, the long civil rights movement, the modern women's movement, Black Lives Matter, Moral Mondays, and other social movements, as well as US elections and significant figures in US politics. Emphasis on 20th century. Course materials include historical writings, journalism, memoir, fiction, music, and film. Guided research on a US political phenomenon resulting in a 20-page final paper.</td>
</tr>
<tr>
<td>AAAS</td>
<td>234S</td>
<td>Comparative Urban Politics and Policymaking</td>
<td>DukeImmerse Seminar. A comparative examination and analysis of urban governance in South Africa and the United States. Examines potential consequences of persistent racial and class disparities for housing and neighborhoods, public health, education, community infrastructure, and general economic and social development. Specific attention to how the physical layout, government structures, politics, culture, and the civil society of cities and urban areas may both promote and hinder human development and social justice. Instructor consent required.</td>
</tr>
<tr>
<td>AAAS</td>
<td>237S</td>
<td>Advanced Research Seminar in Urban Politics and Policymaking</td>
<td>DukeImmerse Seminar. Advanced research and writing seminar. Participants produce a 30-40 page research paper based on field work and archival research experiences in Durham and an approved South African city. Includes tutorials in research design and comparative research methods. There is a required field work component of the course which entails a two-week trip to South Africa. Students will collect data, do interviews, visit municipals offices, and or spend time at NGOs in Pietermaritzburg. Instructor consent required.</td>
</tr>
<tr>
<td>AAAS</td>
<td>238S</td>
<td>Activism &amp; Christianity in Modern America</td>
<td>An exploration of the relation of Christian belief and practices with agitation for social change, with a focus on the United States from the colonial period to the present. Attention given to how identity, power, and suffering shape historical judgments about the intersection of religion and ethics. Close readings of primary sources drawn from autobiographies, letters, sermons, poems, and treatises. Figures may include John Wesley, Sojourner Truth, Frederick Douglass, Martin Luther King Jr., Pauli Murray, Dorothy Day, Thomas Merton, Daniel Berrigan.</td>
</tr>
<tr>
<td>Course Code</td>
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AAAS248 - Hip Hop and Religion

Subject: AAAS
Catalog Number: 248
Title: Hip Hop and Religion

Description:
For many people, hip-hop and religion are incompatible. Hip-hop seems to be defined by materialism, arrogance, violence, misogyny, and a general rejection of sacred ideals and values. In this course, we will challenge these assumptions by exploring the intersections between hip hop and religion, while questioning what these terms mean and signify. We will examine aspects of hip-hop (rap lyrics, video images, cultural rituals, films) that explicitly or implicitly express religious commitments and sensibilities.

AAAS249 - Martin Luther King and the Prophetic Tradition

Subject: AAAS
Catalog Number: 249
Title: Martin Luther King and the Prophetic Tradition

Description:
Situates Martin Luther King as a preacher in the black Christian tradition with a liberationist reading. Traces the movement from civil rights to opposition to economic injustice, war, and militarism. Analyzes what the prophetic voices of today have to say about issues of poverty, racism, environmental destruction, militarism, homophobia, drones, sexism.

AAAS250FS - Global 'Mixed Race' Studies

Subject: AAAS
Catalog Number: 250FS
Title: Global 'Mixed Race' Studies

Description:
By exploring pioneering and controversial writings from both the social and the biological sciences as well as the humanities, this course will situate debates on 'race', 'mixed race' and social hierarchies within broader global, comparative, and historical contexts. These comparative examples shed light on the different social, social, and historical meanings attached to 'race' and 'mixed race' and address social and cultural variations in the symbolic rules which determine the social status of 'mixed race' communities. Open only to students in the Focus Program.

AAAS251 - The Anthropology of Race

Subject: AAAS
Catalog Number: 251
Title: The Anthropology of Race

Description:
Human variation and the historical development of concepts of race; science and scientific racism; folk-concepts of race; and the political and economic causes of racism; ethics of racism.

AAAS252S - Giants of Jazz: A Journey into the Lives and Music of the Masters of Jazz Music

Subject: AAAS
Catalog Number: 252S
Title: Giants of Jazz: A Journey into the Lives and Music of the Masters of Jazz Music

Description:
In the Giants of Jazz Seminar, students will delve deeply into the music and lives of the biggest names in Jazz. Miles Davis, John Coltrane, Charlie Parker, Duke Ellington, Art Blakey and Cannonball Adderly (to name a few) are among those who created various levels of the art form known as jazz, and this course allows students a unique opportunity to get down and dirty with the music and blueprint they left for the world to enjoy. This highly interactive course engages students with the Professor, and it's a fun and exciting way to get up close and personal with some of the greatest music and musicians of all time.

AAAS253S - Independent African American Cinema

Subject: AAAS
Catalog Number: 253S
Title: Independent African American Cinema

Description:
Independent African American Independent cinema from the silent film era to the present. Perspectives on issues of politics, representation, cultural identity, marginality and difference in contemporary American society. Focus on independent directorial figures and their intervention through genres, historical movements, and modes of production to examine how innovation helps define African American cinema's rich past and possibilities as well as key shifts in the larger social contexts of race, gender, and class in the United States.
**AAAS256 - Race in the 20th Century U.S.**

**Subject**
AAAS

**Catalog Number**
256

**Title**
Race in the 20th Century U.S.

**Description**
Increasingly, our world today acknowledges that race is less about biological features and more about social rules and ideas. So why does race remain so important in the twenty-first century? This course combines ideas from history, public policy, sociology, and political science to examine how ideas of race have changed over from 1877, following the end of Reconstruction, to the present. While we might think of ideas like ‘white,’ ‘Black,’ ‘Asian American,’ or ‘Hispanic’ as concrete, easily definable categories, all of these categories and their social impact changed significantly over the course of a century.

**AAAS257 - Introduction to Racial and Ethnic Minorities in American Politics**

**Subject**
AAAS

**Catalog Number**
257

**Title**
Introduction to Racial and Ethnic Minorities in American Politics

**Description**
The politics of four of the United States principal racial minority groups—blacks, Latinos, Asians, and American Indians.

**AAAS258 - Studio Pop: Histories & Sounds, 1960s to 80s**

**Subject**
AAAS

**Catalog Number**
258

**Title**
Studio Pop: Histories & Sounds, 1960s to 80s

**Description**
Pop-music styles as the work of studio production techniques, post-1960s. We explore four influential artists—The Beach Boys ('Pet Sounds' 1966, and later albums); Stevie Wonder ('Music of My Mind' 1971 to 'Songs in the Key of Life' 1976); Steely Dan (albums released 1972-79) and Prince (albums 1977 to 1987). Topics include: history of studio production, multi-track tape innovations, orchestrations, backing vocals, sonic balance, space; synthesizer technology; drum-machine grooves, Close reading of songs, producers, studio styles, press/fan reception. Analysis of music in acoustic, narrative, poetic or structural terms through close listening. Readings from critical literature.

**AAAS259 - Latin American Wars of Independence**

**Subject**
AAAS

**Catalog Number**
259

**Title**
Latin American Wars of Independence

**Description**
This course covers the conspiracies, uprisings, and wars that led to the independence of Haiti and the Latin American colonies of Spain and Portugal between 1780 and the 1898 withdrawal of Spain from Cuba. It focuses on the key military and political leaders of anti-colonial struggles conducted on a continental scale from the islands of the Caribbean to the Andean highlands and beyond. Military strategy and political tactics were decisively shaped by modern debates about the meaning of freedom in terms of slavery and national self-determination. No prior knowledge of Latin America and the Caribbean required.
### AAAS265S - Representing Breast Cancer: Feminist Literature, Art, and Film

**Subject**: AAAS  
**Catalog Number**: 265S  
**Title**: Representing Breast Cancer: Feminist Literature, Art, and Film

**Description**  
Analyzes representations of breast cancer in feminist literature, art, and film. Drawing on health feminism, feminist medical ethics, and disability studies, explores what those representations tell us about the intersections among gender, race, class, sexuality, and ability in both the Global North and South. Sets artistic representations of breast cancer against the hyper-sexualization of breasts in capitalism's visual cultures and the spectacles of breast cancer activism. Shows how literature, art, and film can reveal health care's material conditions as well as breast cancer's psychic complexities.

### AAAS269 - Black Gods and Monarchs: Priests and Practices of the Afro-Atlantic Religions

**Subject**: AAAS  
**Catalog Number**: 269  
**Title**: Black Gods and Monarchs: Priests and Practices of the Afro-Atlantic Religions

**Description**  
Surveys the spiritual, political and economic experience of those who worship African gods—West and Central Africans, Cubans, Brazilians, Haitians, and North Americans. The gods as sources of power, organization and healing amid local political dominance of Muslims and Christians and seismic expansion of international capitalism. West African Yoruba religion, West-Central African Kongo religion, Brazilian Candomblé and Umbanda, Cuban Santería and Palo Mayombe, Haitian Vodou, and African American Pentecostalism are examined as belief systems, and contextualized to the trans-Atlantic slave trade, long-distance commerce and pilgrimage by free people.

### AAAS270S - Religion in Black America

**Subject**: AAAS  
**Catalog Number**: 270S  
**Title**: Religion in Black America

**Description**  
Seminar version of Religion 236.

### AAAS274S - Islam in the Americas

**Subject**: AAAS  
**Catalog Number**: 274S  
**Title**: Islam in the Americas

**Description**  
Explores how Muslim communities live and practice Islam in the American context. Examines diverse Muslim communities emerging from transatlantic exploration, trade in slaves, and migration as well as indigenous conversion. Discussion of religious and cultural identities of American Muslim peoples and consideration of questions of communal organization, religious authority, gender dynamics, youth culture, political and civic engagement, as well as American Muslim comedy and entertainment. Examination of impact of 9/11 upon American Muslims, their responses to the tragedy, and Americans' shifting perceptions of Islam and Muslims.

### AAAS276 - Religion and Race

**Subject**: AAAS  
**Catalog Number**: 276  
**Title**: Religion and Race

**Description**  
Discussion of various ways in which 'race' has been defined and constructed in recent centuries using categories from biology, sociology, philosophy, genetics, anthropology, etc. Examines how religious traditions and practitioners have actively sought both to eliminate race and have been complicit in maintaining and defending it. Special focus on Judaism, Christianity, and Islam in the modern period.

### AAAS276S - Religion and Race

**Subject**: AAAS  
**Catalog Number**: 276S  
**Title**: Religion and Race

**Description**  
Seminar version of Religion 276.
AAAS283S - Death, Burial, and Justice in the Americas
Subject: AAAS  
Catalog Number: 283S  
Title: Death, Burial, and Justice in the Americas  
Description: This interdisciplinary course explores the phenomenon of necroviolence: attacks on the dignity, integrity, and memory of the dead. Cases come from the United States, Latin America, and Canada. Topics include the rights of the dead, cultural attitudes towards the dead, and the 'ambiguous loss' experienced by loved ones of the disappeared. We also explore the activism of family members, volunteer cemetery reclamation groups, and forensic scientists who exhume mass graves to identify bodies. Students will interact with guest speakers, spend time in a local African American cemetery with ties to Duke, and do community work and research on behalf of the marginalized dead.

AAAS285S - Nigeria: A Modern History
Subject: AAAS  
Catalog Number: 285S  
Title: Nigeria: A Modern History  
Description: Nigeria is Africa's largest country by population, its largest economy, and one of the most diverse nation-states in the contemporary world. It is also a place of considerable poverty, wealth disparity, and political discord. How did Nigeria become this country of superlatives, good and bad? This course examines Nigeria's history over the last two centuries—a period encompassing the Atlantic trade in enslaved Africans, British colonial rule, the era of decolonization, and the recent histories of military rule and democracy. Along the way, we will consider Nigeria's place in the broader history of modern Africa.

AAAS286S - Critical Pedagogy of Hip Hop
Subject: AAAS  
Catalog Number: 286S  
Title: Critical Pedagogy of Hip Hop  
Description: This course examines the role of critical pedagogy in developing learning environments that engage and empower youth. Emphasis is placed on the context of Hip Hop as a foundation for instructional decision-making and social justice advocacy/activism. Students will explore the historical and socio-cultural foundations of education initiatives, teaching and learning strategies, federal and state mandates and educational policy issues that contribute to marginalization. Innovations, interdisciplinary collaboration and community programs designed to strengthen schools and communities will be highlighted.

AAAS288 - History of Inequality
Subject: AAAS  
Catalog Number: 288  
Title: History of Inequality  
Description: This course familiarizes students with the field of Inequality Studies through examination of the causes and consequences of social inequality throughout history. It addresses theories of group and subgroup social stratification and ways that disparity operates across multiple axes of stigmatized identities. This is a required course for the minor in Inequality Studies.

AAAS290 - Special Topics
Subject: AAAS  
Catalog Number: 290  
Title: Special Topics  
Description: Topics vary from semester to semester.

AAAS290A - Duke-Administered Study Abroad: Advanced Special Topics in African & African American Studies
Subject: AAAS  
Catalog Number: 290A  
Title: Duke-Administered Study Abroad: Advanced Special Topics in African & African American Studies  
Description: Topics differ by section.
### AAAS290S - Special Topics

**Subject**  
AAAS  

**Catalog Number**  
290S  

**Title**  
Special Topics  

**Description**  

### AAAS295S - Black Muslims: Race, Religion, & Culture

**Subject**  
AAAS  

**Catalog Number**  
295S  

**Title**  
Black Muslims: Race, Religion, & Culture  

**Description**  
The intersection of African, American, European, and Islamic cultures studied through the cultural and intellectual flourishing of black Islam. Topics include early Muslim communities established in the Americas through the transatlantic slave trade, Muslim slave rebellions in Brazil and the Caribbean, Muslim slave autobiographies, African Muslims in Europe, the emergence of the Moorish Science Temple and the Nation of Islam, Elijah Muhammad, Malcolm X, Muhammad Ali, women of the Nation of Islam, women’s Qur’an exegeses, Hagar as a black woman, black feminism, the Five-Percent Nation, Islamic hip-hop and rap, ‘the Black Crescent,’ the black international and Islam, and the Black Panthers.

### AAAS303S - Popular Arts and Culture in Africa

**Subject**  
AAAS  

**Catalog Number**  
303S  

**Title**  
Popular Arts and Culture in Africa  

**Description**  
This course explores the popular arts and cultural production in Africa across a range of media. It will explore the links and relationships between popular culture and fiction, popular literatures, be they in magazines or pamphlets, consumption, gender, and desire in the popular imagination, as well as popular sonic and visual cultures in Africa.

### AAAS304S - Black Politics

**Subject**  
AAAS  

**Catalog Number**  
304S  

**Title**  
Black Politics  

**Description**  
Course focuses on the evolution, nature, and role of African-Americans within the American political system. The concern is with African Americans as actors, creators and initiators in the political process. Beginning with an exploration of the historical antecedents of blackness in America, we will explore how the black experience in America has shaped the American political system (specifically public opinion, political institutions, political behavior, and salient public policy debates) and how black Americans have come to understand their position within the American political system.
AAAS306 - Africa and Arabia: Cultures, Communities, and Connections

**Description**
Explores communities, cultures, and connections between Africa and Arabia; Provides concepts and theories on human mobility and interconnectedness in the context of the two regions; Examines displacement, migration within, and emigration from the two regions, and areas of collaboration and contention in the globalized world; Examines themes of religious terrorism, language, music, and narratives against European colonialism; Explores different intellectual platforms such as political biographies, films, guest experts, etc; Interview partners in Egypt, Morocco, and Senegal on related intercultural issues and politics.

AAAS307 - Development and Africa

**Description**
Addresses the vexed issue of economic development in Africa - its many failures, its occasional successes - from the early colonial period to the present. Focuses especially on the transition from the 1960s 'modernizing' moment to the millennium projects and humanitarian aid of the present. Will read the works of development experts, World Bank executives, anthropologists, and historians, asking why this massively financed project has experienced such failure and exploring what can be done.

AAAS310S - Conflict Analysis in Africa (Case Studies)

**Description**
Utilizes four case studies to outline components of conflict analysis in Africa. Examines regional crisis nexus between Darfur, Chad, and Central African Republic. Looks at issues of postcoloniality, autochthony, migration, citizenship, land tenure, and inequality. On a theoretical level, identifies potentially crosscutting, deeper layers of contemporary crises in Africa with the objective of establishing a series of templates, a 'protocol', for comparative conflict analysis and conflict management in Africa.

AAAS312 - War and Public Health in Africa

**Description**
An inquiry into the nature of contemporary war in sub-Saharan Africa and its human cost. Uses public health as a parameter to assess the impact of organized collective violence on people's lives. Link between war and public health established and measured with respect to civilian deaths, gender-based violence, physical and psychological trauma, mental disorders, malnutrition, and famine, and the spread of epidemic diseases, inter alia HIV/AIDS. Special attention is paid to rape as a 'weapon of war', to the trafficking of human beings in war zones, the child soldier phenomenon, and to death counts as a vector of humanitarian or political advocacy.
AAAS314 - Representing Slavery

Subject: AAAS
Catalog Number: 314
Title: Representing Slavery

Description:
Examines representations of the Atlantic slave trade in scholarship, literature, film, popular culture, and local site visits. We will examine portrayals of people who were enslaved, people who enslaved, as well as the nature of capture, the Middle Passage, and plantation life. We will also explore contemporary commemorations of the slave trade within museums, and the political mobilization of this history within the reparations movement. Through an examination of these materials, we will ask ‘why represent slavery?’ and ‘what is at stake when representing slavery?’

AAAS316S - Apartheid South Africa and Struggles for Democracy

Subject: AAAS
Catalog Number: 316S
Title: Apartheid South Africa and Struggles for Democracy

Description:
Working through an array of diverse organizations – including the African National Congress, the Pan African Congress, the Black Consciousness Movement, a host of liberal organizations, the churches, the trade union federations, and countless more - South Africans fought against apartheid from its inception. In 1994 they achieved a multi-racial democracy led by President Nelson Mandela. This seminar explores key themes in post-World War II South African history, paying special attention to the plethora of anti-apartheid struggles, while analyzing the tenets of apartheid policies.

AAAS317S - Africa before Colonialism

Subject: AAAS
Catalog Number: 317S
Title: Africa before Colonialism

Description:
This undergraduate seminar considers the history of Africa south of the Sahara from the beginning of the Holocene era to 1800, focusing on processes of community formation and political and social change. Using a variety of sources and methods, it traces major debates and themes in the ‘deep’ African past across a number of regions and time periods. These themes include state formation, the dynamic reproduction of social structures through migration, the political meanings of health and healing, the development of ideas about gender, the relationship between Islam and Christianity and other cosmologies, and Africa’s interaction with the wider world.

AAAS318SA - New York Scenes

Subject: AAAS
Catalog Number: 318SA
Title: New York Scenes

Description:
New York Scenes will focus on the various cultural institutions, scenes, establishments, happenings, hang-outs, movements, etc., that make up New York City. Early in the semester, students will select a particular ‘scene’ to research over the course of the term. For example: Tin Pan Alley (popular music, theater), The Lafayette Theatre (black arts), St. Mark’s Church (poetry, punk rock), the Chelsea Hotel (mid-century writers, pop stars and outcasts), La MaMa (experimental theater), the Christopher Street Piers (queer history, lgbtq youth) and Union Square Park (leftist organizing history). Open to students in the Duke in New York program.

AAAS319 - East Africa and the World

Subject: AAAS
Catalog Number: 319
Title: East Africa and the World

Description:
An interconnected history of East Africa and the many places linked to the region by trade, migration, and politics. Using archival, oral, and artistic source materials, considers how East Africans’ lives have been shaped by mobility, from the dhows of the Indian Ocean, to the commercial hustle of contemporary Guangzhou and Dubai. Analyzes how ideas about race, class, gender, and sex changed over time in this complex setting.

AAAS320 - Black Dance

Subject: AAAS
Catalog Number: 320
Title: Black Dance

Description:
Exploration of composition and performance structures commonly described as black dance. Working with cultural criticism contemporary with emergent modes of black dance, assesses political motivations and aesthetic strategies of artists and writers working explicitly in this idiom. Considers possibility of black dance performed by people of First World, European, and Asian descent. Examines concert dance, social dance, religious dance.
### AAAS321 - Visualizing the Caribbean

**Subject**  
AAAS

**Catalog Number**  
321

**Title**  
Visualizing the Caribbean

**Description**  
Art (paintings, installations, performance art) and film on the Caribbean offer vantage points for analyzing alternative ways through which the region has been thought, imagined and produced. They are periodized semiotic productions that feed into and are marked by perspectives that are at once global, national, and even personal. Considering the constitutive contexts of these productions and performances, we will attempt to glean the diverse perspectives, and the way these have influenced sociocultural policy and offer alternative interpretations of diasporic lifeways of Caribbean people.

### AAAS322S - James Baldwin and Toni Morrison

**Subject**  
AAAS

**Catalog Number**  
322S

**Title**  
James Baldwin and Toni Morrison

**Description**  
This course will examine the novels and essays of James Baldwin and Toni Morrison, focusing on a range of topics: blackness, gender, sexuality, the relationship between race, religion, and nation, and the relationship between anguish and hope. While considering the differences between these authors, we will explore how Baldwin and Morrison converge on a set of ethical and existential themes and concerns. In particular, the course will focus on a shared ‘ethics of haunting,’ a sense that a better future relies on our capacity to remember, mourn, and be unsettled by forms of racial and gendered violence that mark the past and present.

### AAAS323S - The Black Parades: African Diaspora Parade Culture and Radical Resistance

**Subject**  
AAAS

**Catalog Number**  
323S

**Title**  
The Black Parades: African Diaspora Parade Culture and Radical Resistance

**Description**  
The Black Parades: African Diaspora Parade Culture and Radical Resistance explores African diaspora parades as the embodiment of political activism, cultural and social imagination, identity construction, and radical resistance in action. From dance, music, food, socio-political meaning, and cultural symbolism, we will examine Carnival, Oshún Festival in Nigeria and Philadelphia, Emancipation Day in Trinidad, Second Line in New Orleans, USA Juneteenth, Garifuna Settlement Day Belize, Black Pride in Africa and the USA, the 1968 Poor Peoples March, Home Coming Day Parades, West Indian Day Parade in NYC, Martin Luther King Jr. Day Parades, and the Harlem Hell Fighters Parade.

### AAAS325S - Introduction to Hip-Hop Production

**Subject**  
AAAS

**Catalog Number**  
325S

**Title**  
Introduction to Hip-Hop Production

**Description**  
Introduction to Hip-Hop Production examines the history, background, functionality, and techniques of hip-hop production. This class will examine the art of sampling, borrowing, context, and practices in hip-hop production, while studying the history of beat machines and digital audio workstations.
AAAS326S - Race and Memory in the Americas

**Subject**
AAAS

**Catalog Number**
326S

**Title**
Race and Memory in the Americas

**Description**
This course confronts this relationship between memory and narrative and their role in addressing the trauma of colonization and the slave trade in its many iterations within Latino, Latin American and at times West African literature. Often pairing the readings with prominent UNESCO-sponsored memorials or other landmarks, this course endeavors to have students question how a transnational Americas remembers itself through narrative and memorialization, despite colonization, imperialism, neoliberalism, and heteronormative hegemonies. Taught in Spanish.

AAAS327S - Brazil, Race, Sex, and the Body

**Subject**
AAAS

**Catalog Number**
327S

**Title**
Brazil, Race, Sex, and the Body

**Description**
The approach of the course will be interdisciplinary, drawing upon works from anthropology, literature, history, and film. Topics will include colonialism and enslavement, abolition, nationalism, social activism, and popular culture. We will also consider how Brazilian social relations differ from or conform to other racialized patterns in other nation-states in the Americas. Particular attention will be placed on the impact of the interrelationship between race, gender, class, and nation on the lives of Black Brazilians.

AAAS328 - Methods in Inequality Studies

**Subject**
AAAS

**Catalog Number**
328

**Title**
Methods in Inequality Studies

**Description**
The course examines social science research methods as they pertain to inequalities of race, gender, ability, and class. Students will learn to approach interdisciplinary social science research from the perspective of inequality studies and to deploy quantitative, archival, and qualitative methods with appropriate consideration of social inequality. Work will include consideration of diverse research paradigms, ethical dilemmas in the field, and theories and methods to undertake systematic modes of inquiry. It is a required course for the minor in Inequality Studies.

AAAS329 - The Black Atlantic

**Subject**
AAAS

**Catalog Number**
329

**Title**
The Black Atlantic

**Description**
The African diaspora—a direct result of the transatlantic slave trade and Western colonialism—has generated a wide array of artistic achievements, from the 'shotgun' houses of New Orleans to the urban graffiti of NYC. The course surveys several major cultural groups in West and Central Africa and their aesthetic impact on the arts, religions, and philosophies of peoples of African descent in South America, the Caribbean, and the United States.

AAAS330 - Black Popular Culture: Black Cinema

**Subject**
AAAS

**Catalog Number**
330

**Title**
Black Popular Culture: Black Cinema

**Description**
The production and circulation of African American popular cultural forms including, but not limited to, popular literature, music, film, television, and art in the twentieth century. The ways in which African American popular culture may reflect the particular values and ethos of African Americans and the larger American society. This course focuses on black cinema.

AAAS331 - Black Popular Culture

**Subject**
AAAS

**Catalog Number**
331

**Title**
Black Popular Culture

**Description**
The production and circulation of African American popular cultural forms including, but not limited to, popular literature, music, film, television, and art in the twentieth century. The ways in which African American popular culture may reflect the particular values and ethos of African Americans and the larger American society. Topics may include black cinema, blues and jazz music, black nationalism, hip hop, black social movements, blacks and sports culture, popular dance, and the cultural history of black style.
AAAS332 - Black Theater Workshop

**Description**
Explore race and culture in America through texts of Black playwrights. Scene study by racially diverse class to engender feedback process. Juxtaposition of playwright's race to societal standards of universal content; relevance of actor's race to playwright's intent; historical context of Black Arts 'militant' plays of the 1960s-70s. Workshop culminates in public performance.

AAAS335 - The History of Hip-Hop

**Description**
What began as a localized activity designed to provide a safe haven for Black and Latino youth in New York City, has become a global brand that has had a documented impact on the cultural, political and economic realities of youth throughout the globe. This course will examine the organic social and cultural foundations of hip-hop, as well as the key aesthetic innovators/innovations, and the debates that have arisen over hip-hop's increased influence.

AAAS336 - The Black Performance Tradition: Michael Jackson and Prince

**Description**
Examines the Black Performance context that produced Jackson's singular creative genius within the realms of music, movement and politics, including the influence of Black vernacular practices like signifying and sampling, the network of Black social spaces known as the Chitlin' Circuit, the impact of Black migration patterns to urban spaces in the Midwest, and Black performance traditions including Blackface minstrelsy.

AAAS337 - Hollywood and Africa: Case Studies in Filmic Representation

**Description**
This course on Hollywood films about Africa—from classics such as 'African Queen' (East Africa), 'Tarzan' (Equatorial Africa) and 'Out of Africa' (Kenya) to recent productions such as 'Blood Diamond' (Sierra Leone), 'The Last King of Scotland' (Uganda), 'Lord of War' (arms trade), 'The Constant Gardner' (Kenya) and 'Black Hawk Down' (Somalia)—will tack back and forth between filmic representation and case study, using the latter to critique the former. As contrastive material, the class will also draw on non-Hollywood films about Africa, for example 'Hotel Rwanda' (Rwanda) or 'Lumumba' (DRC).

AAAS338 - Popular Representations of Black Masculinity

**Description**
The course will examine the production and circulation of representations of 'Black Masculinity' in post-19th century American culture, within popular realms of expression including film, visual culture, music videos, advertising, popular music, television, drama and stage, literature, and dance/performance. The course will also explore the ways stereotypical images of Black masculinity have impacted public policy perceptions of African Americans and the ways that Black cultural producers have used Black masculinity as sites to stage alternative perceptions of Black humanity.

AAAS339S - Women and Film: Directors of the Diaspora

**Description**
Black women filmmakers have been actively involved in filmmaking since the early 20th century, and occupy notable positions in the 21st century media environment. Artists such as Ava DuVernay and Julie Dash demand critical attention to black women film and video artists. Films made by Black women are constructed in a variety of forms, such as animation, documentary, experimental, and narrative. These works bring a unique perspective to the screen. This course will give students an opportunity to view films, examine the specifics of film/video production in general, compare the various works produced by women direc, and acquire the skills necessary for film/video cultural criticism.
AAAS342 - The Civil War and Reconstruction: The United States, 1850-1880

**Subject**
AAAS

**Catalog Number**
342

**Title**
The Civil War and Reconstruction: The United States, 1850-1880

**Description**
The social, economic, and cultural aspects of the Civil War’s origins and outcomes as well as the resulting military, political, and legal conflicts. Focus on the contested and changing meanings of ‘freedom’ in all sections of the country.

AAAS343 - Displacements: Migration and Human Trafficking

**Subject**
AAAS

**Catalog Number**
343

**Title**
Displacements: Migration and Human Trafficking

**Description**
Examination of the meaning of migration in the global world through cross-disciplinary texts and visual media. Situates the phenomenon of human trafficking within the context of these general movements focusing on the risks involved when people endanger their lives to find a better and more strategic position in the world. Explores how these experiences should be interpreted, and how processes and the politics of race, space and place are a condition and/or outcome of these movements. Investigates and considers ways to resolve some of the problems associated with such movements.

AAAS345 - African Americans, Mass Incarceration and Citizenship

**Subject**
AAAS

**Catalog Number**
345

**Title**
African Americans, Mass Incarceration and Citizenship

**Description**
Explores in depth the presence of African Americans within the phenomenon of U.S. mass incarceration and its implications for notions of citizenship. Surveys the history of prison build-up resulting from legislation and policy over the past forty years including the governmental discussions of drug policy and welfare reform that disproportionately affected African Americans. Course will explore definitions of citizenship and the means by which African American citizens were and are both included in and excluded from participation in the movement toward mass incarceration as part of their changing position in the U.S. polity.

AAAS346S - Racial Justice in the 20th Century US and South Africa

**Subject**
AAAS

**Catalog Number**
346S

**Title**
Racial Justice in the 20th Century US and South Africa

**Description**
This course uses a comparative framework to assess race in two societies founded on premises of racial inequality: South Africa and the United States. We will explore some of the social, cultural and political exchanges that have taken place between African Americans and Black South Africans over the course of the twentieth century. Additional topics include segregation, twentieth century struggles for civil rights/liberation, the American anti-apartheid movement, and the possibilities for restitution.
AAAS347S - White People: In Anthropological Perspective

Subject

AAAS

Catalog Number

347S

Title

White People: In Anthropological Perspective

Description

Against the cross-cultural backdrop of other systems of hereditary privilege and of the political and economic changes that threaten them, we will examine the history, the ideologies, and the psychology of white supremacy in the United States. It will be our task to understand both the insiders' point of view and its social context, which includes the mid-20th-century civil rights reforms, affirmative action, neoliberalism, and the progressive erosion of white monopolies on honor, voting rights, due process, a living wage, and upward mobility in US society.

AAAS348 - African Art: From Royal Court to Contemporary Marketplace

Subject

AAAS

Catalog Number

348

Title

African Art: From Royal Court to Contemporary Marketplace

Description

Explores traditional, modern, and contemporary African art from the ever-shifting perspectives of prestige, power, and identity. The conceptual framework guiding this survey is both a broad introduction to the major artists and artworks of Africa across millennia, as well as probing specific questions about the changing definitions of African art, individual versus state identities in African art, and the impact of religion, colonization, and trade/commerce on African art.

AAAS349S - Contemporary South Africa

Subject

AAAS

Catalog Number

349S

Title

Contemporary South Africa

Description

Nelson Mandela's presidency in 1994 inaugurated democracy in South Africa. Using a historical lens, this course will explore the promises, possibilities, and disappointments of the democratic era. In what ways has the 1994 election slogan 'A better life for all' come to pass? Why and in what ways has the new political elite fallen short in delivering on its promises? How have segments of the public sought to impose accountability and restitution on new democratic governments, as well as on the long-standing titans of industry?

AAAS352 - Pigging Out: The Cultural Politics of Food

Subject

AAAS

Catalog Number

352

Title

Pigging Out: The Cultural Politics of Food

Description

Examines cultural influences of food while linking class, geography, and ethnicity to food practices. Investigates link between overeating and cheap food, under-eating and expensive food; discrepancy between cost and quality; changing diets in US and elsewhere; current debates regarding food production, specifically in the U.S., Americas, Africa and Asia. Discussion of Cargill companies' restrictions on spread of their hybrid grains; questionable agricultural practices, e.g. animal cruelty, overuse of pesticides, condition of migrants. Environmental policies examined in relation to pursuit of such industrial agricultural practices. Will include hands-on experiments with food preparation and tasting.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>AAAS354S</td>
<td>Race and Society: South Africa and the US, 1890-present</td>
</tr>
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<td>AAAS355S</td>
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<td>AAAS359S</td>
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<tr>
<td>AAAS375S</td>
<td>The Insurgent South: Movements for Social Change</td>
</tr>
</tbody>
</table>

**AAAS354S - Race and Society: South Africa and the US, 1890-present**

**Subject**  
AAAS

**Catalog Number**  
354S

**Title**  
Race and Society: South Africa and the US, 1890-present

**Description**  
Scholars, pundits and historical actors have long drawn parallels between the United States & South Africa—two countries founded on the premises of racial inequality. This course explores the machinations of race from the quickening of industrial development to present. We will consider the benefits and pitfalls of thinking comparatively. Topics include segregation, transatlantic cultural exchanges, living apartheid and Jim Crow, government surveillance of political opponents, the American anti-apartheid movement, mass incarceration and privatization of prisons, memory and the struggles for social change as well as the persistence of racial inequality in two country's contemporary societies.

**AAAS355S - Black Feminism and Fashion**

**Subject**  
AAAS

**Catalog Number**  
355S

**Title**  
Black Feminism and Fashion

**Description**  
Black feminist perspectives on clothing and fashion. Explores traditions in which Black artists and writers make clothing a primary theme. Presenting photographic, painted, and literary portrayals by and of Black people across the diaspora, and bringing together the study of visual culture, material culture, and literary studies, reveals fashion and clothing as aesthetic practices of everyday life that defy the objectifying effects of racism and sexism. Engages with scholarship that explores slavery's and colonialism's impact on gender and sexuality and examines how artists and writers work within and against those impacts to document the self-fashioning in Black cultural life.

**AAAS359S - Brazil and Lusophone Africa**

**Subject**  
AAAS

**Catalog Number**  
359S

**Title**  
Brazil and Lusophone Africa

**Description**  
This seminar examines three historical components of the South Atlantic in terms of history, culture, and contemporary political and economic consequences. European colonialism in Africa and Brazil constitutes the baseline for this exploration, but the long and tardy nature of Portuguese colonialism in Africa in comparison with other European colonial powers, especially in its post-World War II manifestations, is our starting point. We will examine the last stages of Portuguese colonialism in Lusophone Africa, the African liberation movements and the efforts to forge new transnational relations among Portugal, Lusophone Africa and Brazil.

**AAAS375S - The Insurgent South: Movements for Social Change**

**Subject**  
AAAS

**Catalog Number**  
375S

**Title**  
The Insurgent South: Movements for Social Change

**Description**  
Social movements in the South from Reconstruction to the present. Includes Populism, Women's Suffrage, the Interracial Movement, labor, civil rights, post-1960s conservatism, environmental justice, and LGBTQ activism. Attention to public policy positions espoused by social movement organizations and activists.
AAAS376S - Love, Sex, Madness in Caribbean Fiction and Film

Description
This course explores the themes of love, sex, and madness as the lenses through which Caribbean writers and filmmakers have challenged traditional ideas of citizenship, family, gender roles, and political power. What, for example, is the connection between a dictatorship in Haiti and women's sexual desire? How does the figure of 'the mad Creole woman' challenge masculinist constructions of national identity in the early years of independence in Africa? How might the love between a mother and child be read as an act of anti-colonial resistance? We will examine these questions through novels, short stories, and films. Recommended prerequisite: French 204 or equivalent.

AAAS380 - France and Africa: The Politics and Culture of (Post-)Coloniality

Description
Examination of the Franco-African relationship over time, from the four 'communes' in Senegal to the present, through a political but also broader cultural lens. France's colonial doctrine and practices, African resistance and collaboration, 'la francophonie' and the postcolonial 'Françafrique' are analyzed as well as collective imaginaries on either side and how they shaped each other in literature, film, the social sciences or everyday life. The course is taught in English but a preceptorial class in French is offered in addition so that students can meet the requirement for their major or minor in French. Newcomers to Africa are welcome.

AAAS380P - France and Africa: The Politics and Culture of (Post-)Coloniality Preceptorial

Description
A preceptorial, in French, requiring concurrent enrollment in African & African American Studies 380 or Romance Studies 380. Course counts toward the language requirement for the French major or minor if student enrolls in the preceptorial. Students need to have the proficiency to partake in discussions in French in the preceptorial, as well as to complete their readings and their final paper in African & African American Studies 380 or Romance Studies 380 in French. Further information available from instructor.

AAAS385S - Race, Gender and Culture of the African Diaspora

Description
Course reveals the diversity of black life in the Americas, Europe, and the Middle East through film and classical and contemporary ethnographies by the likes of W. E. B. DuBois, Zora Neale Hurston, Fernando Ortiz, and others. Examines diverse analytical tropes that illuminate how cultures and communities reproduce themselves amid exploitation and stigma.
AAAS386S - Women and Visual Media Studies

Subject: AAAS
Catalog Number: 386S
Title: Women and Visual Media Studies

Description:
This course explores visual media by women artists, as well as the production, circulation, and reception of visual culture about the idea of ‘woman.’ Drawing on feminist scholarship across disciplines, students will examine representation, spectatorship, power, beauty, and sex. We will explore work by popular icon Beyoncé, artist Lorna Simpson, but also independent documentary films on relevant themes.

AAAS387 - Moral Panics, Spectacle, and Everyday Life: Social Anxieties and Minorities

Subject: AAAS
Catalog Number: 387
Title: Moral Panics, Spectacle, and Everyday Life: Social Anxieties and Minorities

Description:
Moral panic refers to the way a social order becomes hyper aware of activities of groups, objects, or circumstances posing a menace to accepted values. Course explores how everyday life is managed, intensified, and altered by moral panics’ spectacle. Sexual deviance, drugs, popular culture, disease, witch hunts, gender fears, etc., are not only creations of pre-existing fears, they make various kinds of sense in specific moments. They are how people recognize themselves and new challenges to that self. From those challenges they try to police others; they are public consensus-building events and the means by which we identify our fears and desires.

AAAS390 - Special Topics

Subject: AAAS
Catalog Number: 390
Title: Special Topics

Description:
Topics vary from semester to semester.

AAAS390S - Special Topics

Subject: AAAS
Catalog Number: 390S
Title: Special Topics

Description:
Seminar version of African & African American Studies 390. Topics vary from semester to semester.

AAAS391 - Independent Study

Subject: AAAS
Catalog Number: 391
Title: Independent Study

Description:
Individual research and reading in a field of special interest, under the supervision of a faculty member, resulting in a substantive paper or written report containing significant analysis and interpretation of a previously approved topic. Open to juniors and seniors. Consent of both instructor and director of undergraduate studies required.

AAAS393 - Research Independent Study

Subject: AAAS
Catalog Number: 393
Title: Research Independent Study

Description:
Individual research in a field of special interest under the supervision of a faculty member, the central goal of which is a substantive paper or written report containing significant analysis and interpretation of a previously approved topic. Open to juniors and seniors. Consent of instructor and director of undergraduate studies required.
AAAS397S - African Cities, Development, and Climate Change

Subject: AAAS
Catalog Number: 397S
Title: African Cities, Development, and Climate Change

Description
The displacement of sizeable urban populations as a consequence of climate change renders African cities sites of two contending conditions: the one is a prevailing sense of crisis; the other, in the form of a response, is to attend to the prevailing conditions of crisis. African cities are poised to mobilize not only extant forms of cultural ingenuity, but technological ingenuity too. Students will explore African city life from megalopolises like Cairo to threatened UNESCO world heritage sites like Saint-Louis, Senegal. The course reimagines terms such as 'development,' 'employment,' 'infrastructure,' 'sustainability,' and 'citizenship.'

AAAS399 - Black Religion, Anguish, and Liberation

Subject: AAAS
Catalog Number: 399
Title: Black Religion, Anguish, and Liberation

Description
In this course, we will study the relationship between race, religion, and politics in the context of black strivings for liberation in the Americas, the trans-Atlantic, and so forth. We will examine how struggles against anti-black violence have been inspired by criticisms and re-interpretations of prevailing religious ideas and practices in addition to the creation of new conceptions of the sacred. We will focus on two different contexts/movements – anti-slavery/abolitionist movements and mid 20th century black freedom/decolonial struggles —considering in each case how religion is both an object of critique and a source of empowerment, agency, and resistance.

AAAS402S - South Africa and the World

Subject: AAAS
Catalog Number: 402S
Title: South Africa and the World

Description
Throughout the 20th century, South Africa had the largest economy and military on the African continent. Its strategic geographic position and mineral wealth in gold and uranium made it an important ally for the largest economies in the world. The Cold War enhanced its significance. However, in the second half of the twentieth century, its policies of apartheid rendered it an international pariah. This course examines the ways in which countries, international institutions, and millions of 'ordinary' people shaped the course of South African history. How did South Africa interact with the broader world, and how did the world try to affect South Africa's policies of white supremacy?

AAAS405S - Black Thought and Creativity to 1865

Subject: AAAS
Catalog Number: 405S
Title: Black Thought and Creativity to 1865

Description
How did people of African descent express themselves in the context of slavery? What did they write about? What kinds of items did they create? This course will explore the cultural, intellectual, and aesthetic knowledge produced by people of African descent before 1865 and how these works continue to shape conceptions of liberation in contemporary Black life. Students will engage materials by Black thinkers, artists, activists, and critics, from the nineteenth to the twenty-first century, who use creativity to ruminate on freedom and black liberation in diverse media, including autobiography, painting, speech, photography, performance and food culture.
AAAS406S - South African Life Histories

**Subject** AAAS  
**Catalog Number** 406S  
**Title** South African Life Histories

**Description**

South Africa presented the world with one of the great moral challenges of the 20th century. We will explore its history through the lens of biography and autobiography. The country underwent major transformations -- rapid industrialization, segregation, the rise and fall of apartheid, and the emergence of democracy. How did individuals experience these social changes? In what ways do individual lives illuminate these larger social processes? Protagonists include a prophetess, political artists and writers, exiles, and celebrated figures. Topics cover how segregation and apartheid affected people’s daily lives, opposition to white supremacy, and the personal impact of the AIDS’s epidemic.

AAAS407S - Capstone Seminar - Globalization: Asia and Asian America

**Subject** AAAS  
**Catalog Number** 407S  
**Title** Capstone Seminar - Globalization: Asia and Asian America

**Description**

'Globalization': a shorthand for describing the period of extraordinary change that we are living through, our lives, and our worlds as defined by global connections, from the internet technologies and rapid mass communication to issues of mobilization for social justice. This course focuses on two main themes: global moments of common struggle against racism in Asian, Asian American, and African American contexts, and global manufacture and the ways in which the microprocessor chip technology has come to bind Asia, Africa, and America, with a special focus on women and Asian Americans in the IT sector.

AAAS408S - Capstone Seminar: Post-Civil Rights America: The Search for Social Justice, 1968-Present

**Subject** AAAS  
**Catalog Number** 408S  
**Title** Capstone Seminar: Post-Civil Rights America: The Search for Social Justice, 1968-Present

**Description**

Central outcomes of the Civil Rights Movement, 1968 to the present; critical reading and discussion, research and writing on racial and social equality and inequality in major areas of American life, notably electoral politics; education; religion and ethics; and public culture.

AAAS410S - Black Frame: African American Documentary Film

**Subject** AAAS  
**Catalog Number** 410S  
**Title** Black Frame: African American Documentary Film

**Description**

This course examines black documentary film by drawing on The Full Frame Archive Film Collection. The Full Frame Documentary Film Festival is the largest film festival in the United States entirely devoted to documentary film. Students enrolled in this class will read canonic texts on the black documentary film, study camera techniques, explore the history of the Full Frame Festival, critique the role of race in social justice filmmaking and interact with documentary filmmakers.

AAAS411D - Black (In) Translation

**Subject** AAAS  
**Catalog Number** 411D  
**Title** Black (In) Translation

**Description**

Examines the meanings of Blackness as it moves through the Atlantic world from 18th century to present. Readings explore theories of race and representation, and ways that translation conveys, shapes, and disrupts ideas about Blackness as cultural identity, lived experience, political claim. Course materials include works of literature, history, anthropology, and film. Taught in English, though, students enrolled under foreign language discussion sections will do reading, writing, research, and discussion in the language, requiring 2 years of foreign language study for language credit for the major or minor.

AAAS412S - Afro-Latin America

**Subject** AAAS  
**Catalog Number** 412S  
**Title** Afro-Latin America

**Description**

This course focuses on the position of Blacks in the national histories and societies of Latin America from slavery to the present day. Emphasis is on an interdisciplinary engagement with issues and critical discussion of national images contrasted with the realities of blackness. We will explore the connections between race, gender, sexuality, and representation in national and transnational encounters and the consequences of the migration of people and ideas within the hemisphere. Countries to be explored include Cuba, Brazil, the Dominican Republic, Puerto Rico, Argentina, Mexico, Haiti, and Peru.
**AAAS419S - Meaning, Mattering, and Black Being-in-the-World: Towards a Critical Theory of Race and Value**

**Description**
This course interrogates the ways scholars in the social sciences and humanities have conceptualized and theorized value, and the curious absence of race/racism from this discourse. Drawing from scholarship in the fields of history, anthropology, African diaspora studies, and (ethno)musicology, students will develop a better understanding of the interrelationship between race and value and the distinct ways that race has been one of the most pervasive 'value regimes' in the making of the modern world. Topics include the transatlantic slave trade and plantation societies in the Americas; intersections of race with science and technology; and black radical politics and expressive culture.

**AAAS420S - The Role of Race and Culture on Development**

**Description**
Critical examination of racial, cultural, and social influences on development of African American children in the U.S. Traditional and nontraditional theoretical and empirical approaches; issues surrounding children's cognitive, language, and psychosocial development, plus educational attainment explored from a socio-cultural perspective. Includes discussion of racial stereotypes, familial interactions, social policy, the media, and peer groups. Prerequisites: Introductory Psych, Developmental, Human Development, Research Methods courses. Juniors and Seniors only.

**AAAS422S - Music and The Black Radical Imagination**

**Description**
This seminar introduces students to key texts on histories and theories of Black radicalism, and spotlights the role of the imagination and creativity within modern Black political struggles. Building on the foundational scholarship of Cedric Robinson, Robin D. G. Kelley, and others, students will investigate how the philosophical and ideological foundations of the Black Radical Tradition have been nurtured and transmitted across time and space as culture. Special emphasis will be placed on the study of sound, music, and performance as manifestations of the Black radical imagination, from the era of Atlantic slavery to the contemporary Black Lives Matter Movement.

**AAAS425 - Global Inequality Research**

**Description**
Engagement of vertically integrated research teams in projects exploring racial and ethnic disparities exhibited and expressed in six arenas, employment, wealth, health, political participation, education, and arts and culture. Each team will produce a major paper that will qualify for submission to a refereed journal in the area relevant to the focus of the study. Course is not open to students who have taken Public Policy 645 or 645S.
AAAS425S - Global Inequality Research Seminar

Subject: AAAS  
Catalog Number: 425S  
Title: Global Inequality Research Seminar

Description: Engagement of vertically integrated research teams in projects exploring racial and ethnic disparities exhibited and expressed in six arenas: employment, wealth, health, political participation, education, and arts and culture. Each team will produce a major paper that will qualify for submission to a refereed journal in the area relevant to the focus of the study. Course is not open to students who have taken Public Policy 645S.

AAAS430 - Music History and Politics in Contemporary Africa

Subject: AAAS  
Catalog Number: 430  
Title: Music History and Politics in Contemporary Africa

Description: The objective of the course is to analyze the social, political and cultural dynamics of post-independence African states through the musical archive. The course will analyze the role that music has played in the construction of national identities in post-colonial African states, but also in social, political and cultural dynamics of contemporary Africa. From High-life in Ghana to Congolese rumba, Afrobeat in Nigeria, reggae, Hip Hop and Rai, it will show how music has accompanied societal and political evolutions of African nations. The course will think of music as a landscape and analyze the musical circulation, as a space for the constitution of African societal modernities. In English.

AAAS450S - The Global Caribbean

Subject: AAAS  
Catalog Number: 450S  
Title: The Global Caribbean

Description: The course introduces students to the Caribbean as a transnational space that reflects the global dynamics associated with flows of bodies via migration, labor, and goods all of which have undergirded the birth and evolution of the (primarily) Atlantic world economy. The Global Caribbean will have a historical sociological bent that frames the region as the first modern colonial space which has served as a template for other projects of colonial and postcolonial development elsewhere in the world. Emphasis will be on the way that freedoms and unfreedoms operate in the Caribbean and elsewhere. Discussions of how knowledge has conditioned the representation of the region will be entertained.

AAAS470S - Law and Power in Africa and the African Diaspora

Subject: AAAS  
Catalog Number: 470S  
Title: Law and Power in Africa and the African Diaspora

Description: This course examines the history of law and politics in Africa and the African diaspora over the last two centuries. What role did law play in the colonization of Africa? In its liberation? How did law buttress or challenge ideas about race? How did people of African descent in the western hemisphere use law, and how did they find it used against them? What counts as a 'legal' institution, and who decides? Law can be a shield or a weapon, sometimes both at once. What it does depends on who is using it, and for what purpose. Readings will include history and legal philosophy. Students will use primary sources extensively, including court records.

AAAS490 - Special Topics

Subject: AAAS  
Catalog Number: 490  
Title: Special Topics

Description: Topics vary from semester to semester.

AAAS490S - Special Topics

Subject: AAAS  
Catalog Number: 490S  
Title: Special Topics

Description: Topics vary from semester to semester.
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<thead>
<tr>
<th>Subject</th>
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<tbody>
<tr>
<td>AAAS</td>
<td>491</td>
<td><strong>AAAS491 - Independent Study</strong></td>
<td>See African &amp; African American Studies 391. Consent of both instructor and director of undergraduate studies required.</td>
</tr>
<tr>
<td>AAAS</td>
<td>493</td>
<td><strong>AAAS493 - Research Independent Study</strong></td>
<td>See African &amp; African American Studies 393. Consent of both instructor and director of undergraduate studies required.</td>
</tr>
<tr>
<td>AAAS</td>
<td>495</td>
<td><strong>AAAS495 - Distinction Program Sequence</strong></td>
<td>Research for the development of thesis. Open only to senior majors. Consent of both instructor and director of undergraduate studies.</td>
</tr>
<tr>
<td>AAAS</td>
<td>496</td>
<td><strong>AAAS496 - Distinction Program Sequence</strong></td>
<td>Continuation of African &amp; African American Studies 495. Open only to senior majors. Consent of both instructor and director of undergraduate studies.</td>
</tr>
<tr>
<td>AAAS</td>
<td>499S</td>
<td><strong>AAAS499S - Senior Seminar</strong></td>
<td>Open to seniors majoring in African &amp; African American Studies and to others with consent of instructor.</td>
</tr>
<tr>
<td>AAAS</td>
<td>89S</td>
<td><strong>AAAS89S - First-Year Seminar</strong></td>
<td>Topics vary each semester offered.</td>
</tr>
<tr>
<td>AADS</td>
<td>183S</td>
<td><strong>AADS183S - Gateway Seminar: Civil Rights and Asian Americans</strong></td>
<td>Study of crucial legal and political moments in the struggle for equal civil rights of minorities, beginning with the laws of Chinese Exclusion, the struggle to define who was ‘White,’ the Asian Immigration Exclusion Acts, the relationships of Asians and African Americans and the struggle for equal schooling in the American South, the Japanese Concentration camps, the Redress and Reparations Civil Rights struggle, and the involvement of Asians Americans in the African American-led Civil Rights Movement in the 1960s, including working with Martin Luther King and Malcolm X, and Asian Americans in the anti-sweatshop unionization movement.</td>
</tr>
<tr>
<td>AADS</td>
<td>190S</td>
<td><strong>AADS190S - Special Topics in Asian American and Diaspora Studies</strong></td>
<td>Topics vary from semester to semester.</td>
</tr>
</tbody>
</table>

Duke University

248/1527
AADS198 - Introduction to Asian American History

Subject: AADS
Catalog Number: 198
Title: Introduction to Asian American History

Description:
An introduction to the historical experiences of the diverse communities of Asian America, from the mid-19th century to the early 21st century. Topics will include migration, immigration law, experiences of war, community formation, and political activism. Students will also gain experience working with primary sources.

AADS201 - Introduction to Asian American and Diaspora Studies

Subject: AADS
Catalog Number: 201
Title: Introduction to Asian American and Diaspora Studies

Description:
What does it mean to be Asian American? Asian American Studies is an interdisciplinary field that draws on social sciences, humanities, and the arts to explore the historical and contemporary experiences of Asian Americans in the western hemisphere. This course provides students with an introduction to this dynamic and growing field of study, taking race, gender, immigration, diaspora, class, labor, and sexuality as primary subjects of the field. The course also historicizes Asian American racialization to better understand the structural forces that have shaped Asian American lives and the ways that writers, scholars, and activists have responded to and resisted these forces.

AADS205 - Introduction to Racial and Ethnic Minorities in American Politics

Subject: AADS
Catalog Number: 205
Title: Introduction to Racial and Ethnic Minorities in American Politics

Description:
The politics of four of the United States principal racial minority groups—blacks, Latinos, Asians, and American Indians.

AADS229S - Asian American Community History

Subject: AADS
Catalog Number: 229S
Title: Asian American Community History

Description:
How have Asian Americans built communities in the United States in the 19th and 20th century? This course explores the institutions, politics, cultural fabric, social relationships, and conflicts that have characterized East, South, and Southeast Asian American communities in the United States.

AADS232S - Asian American Theater

Subject: AADS
Catalog Number: 232S
Title: Asian American Theater

Description:
Asian American theater and performance traditions, including major dramatic texts and canon formation. Critical framework for discussing race, ethnicity, gender, and sexuality.

AADS290S - Special Topics in Asian American and Diaspora Studies

Subject: AADS
Catalog Number: 290S
Title: Special Topics in Asian American and Diaspora Studies

Description:
Topics vary by semester.
AADS309 - Chinese Immigration: Chinese Migrant Labor and Immigration to the US

**Subject**  
AADS

**Catalog Number**  
309

**Title**  
Chinese Immigration: Chinese Migrant Labor and Immigration to the US

**Description**  
Comparative examination of contemporary China's 'floating population' of migrant labor, and of Chinese immigration abroad (particularly to the US). Focus on cultural representation of these phenomena (particularly literary, cinematic, and artistic works), but sociological, anthropological, economic, and political perspectives will also be considered. Topics include cultural alienation, marginalization, and assimilation; education and health care; labor and commodification; gender and ethnicity; narratives of modernization and development; together with the ethical, social, and political implications of migration.

AADS323S - Modern Buddhism in Asia and America

**Subject**  
AADS

**Catalog Number**  
323S

**Title**  
Modern Buddhism in Asia and America

**Description**  
An examination of Buddhism in Asia, Europe, and the United States from the mid-nineteenth century to the present. Emphasis on global exchanges that resulted in the emergence of Buddhism in the United States and Europe and the transformation of Buddhism in Asia.

AADS335 - Chinatowns: A Cultural History

**Subject**  
AADS

**Catalog Number**  
335

**Title**  
Chinatowns: A Cultural History

**Description**  
Explores the intersection of space and ethnicity through the myriad ways Chinatown has circulated as memory, fantasy, narrative, myth, in the dominant cultural imagination, and how lived realities of overseas Chinese communities, Asian American history, and changing conceptions of 'Chineseness' have productively engaged with real and phantom Chinatowns. Research will emphasize multi-disciplinary approaches, such as urban history, architecture, ethnography, economics; or engagement in a creative project.

AADS336S - Asian American Literature

**Subject**  
AADS

**Catalog Number**  
336S

**Title**  
Asian American Literature

**Description**  
The course examines major works of Asian American literature from the nineteenth century to the present. It surveys how Asian American authors of novels, short stories, and poetry have negotiated the historical forces that have shaped Asian American experiences over the past century.
### AADS337S - Decolonization: Histories, Meanings, Struggles

**Subject:** AADS  
**Catalog Number:** 337S  
**Title:** Decolonization: Histories, Meanings, Struggles

**Description**  
This course explores decolonization as an historical event, a category of theoretical analysis, and a series of contemporary social movements. Course material will introduce students to the history of decolonization as both idea and event, putting global anti-colonial movements of the twentieth century into conversation with contemporary struggles for the decolonization of occupied land, institutions, and epistemologies. This interdisciplinary course draws on work in history, geography, anthropology, women's studies, and postcolonial and decolonial Studies. Students will also read and research manifestos, memoirs, archival documents, documentary films, oral histories, and museum exhibits.

### AADS338S - Global South Asia: History and Culture of Diaspora

**Subject:** AADS  
**Catalog Number:** 338S  
**Title:** Global South Asia: History and Culture of Diaspora

**Description**  
This course examines the making of South Asia (Afghanistan, Bangladesh, India, Myanmar, Pakistan, and Sri Lanka) as a global space from the early 20th-century until today. In addition to an examination of the region, course material will also address the South Asian Diaspora, particularly throughout Australia, East Africa, Southern Africa, Canada, the Caribbean, France, Germany, the United Kingdom, and the United States. Topics may include imperialism and decolonization; the making of postcolonial nation-states; migration, labor, and citizenship; and the global circulation of caste, class, religion, gender, and sexuality.

### AADS364S - Race, Gender, and Sexuality

**Subject:** AADS  
**Catalog Number:** 364S  
**Title:** Race, Gender, and Sexuality

**Description**  
Gender's relationship to race and sexuality explored through a variety of issues, including health, intimacy, family, the state, economic practices, transnational communities and identities, and social movement.

### AADS382S - Intimacies: Sexuality, Nation, and the State

**Subject:** AADS  
**Catalog Number:** 382S  
**Title:** Intimacies: Sexuality, Nation, and the State

**Description**  
A deep dive into the theoretical concept of intimacy, this seminar touches upon the racial, sensorial, and sexual life of nations and the state. Through discussions about citizenship, religion, migration, political economy, belonging, community, and activism, we consider what it means for bodies to exist in relation not only to other bodies, but also within the larger body of the nation-state. We examine theoretical writing alongside film, performance and installation art, law, and pop culture, bringing sexuality to bear on indigenous genocide, the Antebellum South, anti-immigration and miscegenation law, US militarism in Asia and the Pacific, LGBTQ rights, and political scandal.
<table>
<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>AADS</td>
<td>390S</td>
<td>Special Topics in Asian American and Diaspora Studies</td>
<td>Topics vary by semester</td>
</tr>
<tr>
<td>AADS</td>
<td>454S</td>
<td>Capstone Seminar - Globalization: Asia and Asian America</td>
<td>'Globalization': a shorthand for describing the period of extraordinary change that we are living through, our lives, and our worlds as defined by global connections, from the internet technologies and rapid mass communication to issues of mobilization for social justice. This course focuses on two main themes: global moments of common struggle against racism in Asian, Asian American, and African American contexts, and global manufacture and the ways in which the microprocessor chip technology has come to bind Asia, Africa, and America, with a special focus on women and Asian Americans in the IT sector.</td>
</tr>
<tr>
<td>AADS</td>
<td>490S</td>
<td>Special Topics in Asian American and Diaspora Studies</td>
<td>Topics vary from semester to semester.</td>
</tr>
<tr>
<td>AADS</td>
<td>89S</td>
<td>Special Topics in First-Year Seminar</td>
<td>Special Topics in First-Year Seminar</td>
</tr>
<tr>
<td>AEROSCI</td>
<td>101</td>
<td>Heritage and Values of the United States Air Force</td>
<td>A survey course designed to introduce students to the United States Air Force and provides an overview of the basic characteristics, missions, and organization of the Air Force. Leadership Laboratory mandatory for AFROTC cadets. Instructor consent required.</td>
</tr>
<tr>
<td>AEROSCI</td>
<td>102</td>
<td>Heritage and Values of the United States Air Force</td>
<td>Continuation of Aerospace Studies 101. A survey course designed to introduce students to the United States Air Force and provides an overview of the basic characteristics, missions, and organization of the Air Force. Leadership Laboratory mandatory for AFROTC cadets. Instructor consent required.</td>
</tr>
</tbody>
</table>
AEROSCI201 - Team and Leadership Fundamentals

Subject: AEROSCI  
Catalog Number: 201  
Title: Team and Leadership Fundamentals  

Description: Course focuses on laying the foundation for teams and leadership. Topics include skills that will allow cadets to improve their leadership on a personal level and within a team. The courses will prepare cadets for their field training experience where they will be able to put the concepts learned into practice. The purpose is to instill a leadership mindset and to motivate sophomore students to transition from AFROTC cadet to AFROTC officer candidate. Leadership Laboratory mandatory for AFROTC cadets. Instructor consent required.

AEROSCI202 - Team and Leadership Fundamentals

Subject: AEROSCI  
Catalog Number: 202  
Title: Team and Leadership Fundamentals  

Description: Continuation of Aerospace Studies 201. Course focuses on laying the foundation for teams and leadership. Topics include skills that will allow cadets to improve their leadership on a personal level and within a team. The courses will prepare cadets for their field training experience where they will be able to put the concepts learned into practice. The purpose is to instill a leadership mindset and to motivate sophomore students to transition from AFROTC cadet to AFROTC officer candidate. Leadership Laboratory mandatory for AFROTC cadets. Instructor consent required.

AEROSCI301S - Leading People and Effective Communication

Subject: AEROSCI  
Catalog Number: 301S  
Title: Leading People and Effective Communication  

Description: Course teaches cadets advanced skills and knowledge in management and leadership. Special emphasis is placed on enhancing leadership skills and communication. Cadets have an opportunity to try out these leadership and management techniques in a supervised environment as juniors and seniors. Leadership Laboratory required for AFROTC cadets. Instructor consent required.

AEROSCI302S - Leading People and Effective Communication

Subject: AEROSCI  
Catalog Number: 302S  
Title: Leading People and Effective Communication  

Description: Continuation of Aerospace Studies 301S. Course teaches cadets advanced skills and knowledge in management and leadership. Special emphasis is placed on enhancing leadership skills and communication. Cadets have an opportunity to try out these leadership and management techniques in a supervised environment as juniors and seniors. Leadership Laboratory required for AFROTC cadets. Instructor consent required.

AEROSCI401S - National Security Affairs/Preparation for Active Duty

Subject: AEROSCI  
Catalog Number: 401S  
Title: National Security Affairs/Preparation for Active Duty  

Description: Course is designed for college seniors and gives them the foundation to understand their role as military officers in American society. It is an overview of the complex social and political issues facing the military profession and requires a measure of sophistication commensurate with the senior college level. The final semester provides information that will prepare the cadets for Active Duty. Leadership Laboratory mandatory for AFROTC cadets. Instructor consent required.

AEROSCI402S - National Security Affairs/Preparation for Active Duty

Subject: AEROSCI  
Catalog Number: 402S  
Title: National Security Affairs/Preparation for Active Duty  

Description: Continuation of Aerospace Studies 401S. Course is designed for college seniors and gives them the foundation to understand their role as military officers in American society. It is an overview of the complex social and political issues facing the military profession and requires a measure of sophistication commensurate with the senior college level. The final semester provides information that will prepare the cadets for Active Duty. Leadership Laboratory mandatory for AFROTC cadets. Instructor consent required.
<table>
<thead>
<tr>
<th>Subject</th>
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<tbody>
<tr>
<td>AEROSCI</td>
<td>99L</td>
<td>Leadership Laboratory</td>
<td>AMES</td>
<td>106FS</td>
<td>Documenting the Middle East: Community and Oral History</td>
</tr>
</tbody>
</table>

**AEROSCI99L - Leadership Laboratory**

**Description**
Instruction in drill and ceremonies, wearing the uniform, giving commands, and other leadership activities. Mandatory for all Air Force ROTC cadets. Must be repeated each semester. Satisfactory/Unsatisfactory grading only.

**AMES106FS - Documenting the Middle East: Community and Oral History**

**Description**
Studies the documentary record of the Middle East in photography, film, and oral history. From early studio photography to recent community and student production, considers documentary expression's meaning and function. Analyzes the role of digital humanities and social media in documentary research. Uses best practices of documentary work. Includes a service-learning, hands-on documentary component: recording diverse voices from Iraqi, Syrian, and Palestinian communities. Student-produced fieldwork from the class will be permanently housed at Duke's Archive of Documentary Arts. Open only to students in the Focus Program. Department consent required.

**AMES107 - Introduction to East Asian Cultures: Narrating East Asia through Word and Image**

**Description**
The study of East Asia makes sense not necessarily as a study of shared canons or of ‘civilizational origins’ or, shared ‘Asian values’: rather, modern East Asia can be productively studied in terms of shared historical, political, cultural concerns; the influx of new ideologies; the processes of ‘becoming modern’; and of course, the positioning of East Asian area studies in the academy and the larger world. In this introductory course, we will be looking at ‘Global East Asia’ and its diasporas through all manners of storytelling, focusing on word-image narratives: Asian traditions of manga, manhwa, manhua, as well as graphic novels.

**AMES108 - Intro to Middle East: History, Culture, Politics**

**Description**
Introductory course for the study of the Middle East. Introduce both modern and medieval aspects of the Middle East, including but not limited to Arab, Turkish, and Iranian cultures of Middle East. No background necessary.
### AMES111 - Self, Society and Art in Modern Hinduism

**Subject** | **Catalog Number** | **Title** |
--- | --- | --- |
AMES | 111 | Self, Society and Art in Modern Hinduism |

**Description**
An exploration of the beliefs, ethics, everyday and ceremonial practices, philosophies, mythologies, and movements that are part of the aggregately-named religion of Hinduism.

### AMES114 - Buddhism

**Subject** | **Catalog Number** | **Title** |
--- | --- | --- |
AMES | 114 | Buddhism |

**Description**
Introduction to Buddhist texts, beliefs, rituals, and ethics in the past and present.

### AMES115 - Religions of Asia

**Subject** | **Catalog Number** | **Title** |
--- | --- | --- |
AMES | 115 | Religions of Asia |

**Description**
Problems and methods in the study of religion, followed by a survey of the historical development, beliefs, practices, ethics, and contemporary significance of the Islamic religion and religions of south and east Asia.

### AMES122 - Islamic Civilization I

**Subject** | **Catalog Number** | **Title** |
--- | --- | --- |
AMES | 122 | Islamic Civilization I |

**Description**
A global history of Islamic thought, practice, spirituality, politics, and culture. This course analyzes the emergence of Islam and the spread of Muslim culture and learning across Africa, Asia, and Europe. It introduces how Muslims fostered a globalized economy and international community of scientists, scholars, agriculturalists, musicians, artisans, and philosophers of diverse backgrounds – along with other key themes that students may pursue in greater detail in future coursework. Gateway course for an interdisciplinary certificate in Islamic studies.

### AMES123 - History and Culture of Iran

**Subject** | **Catalog Number** | **Title** |
--- | --- | --- |
AMES | 123 | History and Culture of Iran |

**Description**
A multi-disciplinary approach to Iran and Persian culture. Covers history, religion, politics, literature, music, and cinema. Focuses on the developments in Iran leading up to and after the 1979 revolution. Does not require any knowledge of Persian or previous background.

### AMES125 - Egypt: Mother of the World

**Subject** | **Catalog Number** | **Title** |
--- | --- | --- |
AMES | 125 | Egypt: Mother of the World |

**Description**
A cultural history of modern Egypt: the Arab spring; arts of the revolution; Egyptian cinema, popular culture, and literature; Islamic politics, Islamic thought, and Islamic mobilization; Arab nationalism and Gamal Abd al-Nasser; the economics of Egyptian politics; the Awakening (Nahda) of the 19th century; Muhammad Ali and the Ottoman empire; British and French conquests of Egypt; and orientalist knowledge about Egypt. Includes a trip to Egypt over break.
AMES126S - Understanding the Qur’an

Subject: AMES
Catalog Number: 126S
Title: Understanding the Qur’an

Description
The Qur’an is the Islamic scripture. This course explores the history of revelation or words of God in Islam; formation of the Qur’an as a book; its interpretation from medieval to modern time; its major themes; how the Qur’an introduces itself: the book of light, guidance, virtues and Islamic values and standards, or the book of law? the question of translatability; teaching the Qur’an as religious literature from a neutral viewpoint that could be understood from a secular, or non-theological perspective; the lessons one might apply from literary criticism, biblical studies, and historical methodology; and its message for the human beings in the contemporary world.

AMES127 - The Modern Middle East

Subject: AMES
Catalog Number: 127
Title: The Modern Middle East

Description
The historical development of the Middle East in the nineteenth and twentieth centuries. The emergence of nation-states in the region following World War I.

AMES129 - Master Filmmakers of Chinese Cinemas

Subject: AMES
Catalog Number: 129
Title: Master Filmmakers of Chinese Cinemas

Description
Films, documentaries, television series, and soap operas produced in Mainland China in the post-Mao era, modern and contemporary Taiwan, and Hong Kong. Topics include the history and aesthetics of the new wave cinema, soap operas as the new forum for public debate of popular culture, and debate over the relationship between Euro-American modernist and the national cinema.

AMES136 - China from Antiquity to 1400

Subject: AMES
Catalog Number: 136
Title: China from Antiquity to 1400

Description
Beginning with the early neolithic cultures, focus on the evolution of Han civilization, the formation of the imperial state system in China, ecological adaptations and foundations of the agrarian economy, the coming of Buddhism to China, and China’s contacts with other peoples and regions of Asia up to A.D. 1400.

AMES138 - Scripture: Judaism, Christianity, and Islam

Subject: AMES
Catalog Number: 138
Title: Scripture: Judaism, Christianity, and Islam

Description
Judaism, Christianity, and Islam are characterized as religions of the book. Their sacred texts are foundational to the faiths they represent. In spite of shared histories, overlapping contents, and parallel perspectives, their Sacred Scriptures diverge in key points of content, interpretation, and use by their communities. In this course, students will be introduced to the history, contours, and content of the Hebrew Bible/Old Testament, the New Testament, and the Qur’an and hadith, exploring issues of scripture and authority, texts and manuscripts, translation and interpretation, performance, canonicity, ethical issues, and contemporary use.

AMES141S - Audiovisual Cultures in East Asia: Film, Music, and Other Media

Subject: AMES
Catalog Number: 141S
Title: Audiovisual Cultures in East Asia: Film, Music, and Other Media

Description
This seminar introduces to students to various aspects of audiovisual cultures in East Asia, including film, photography, music and other new and emerging media. It focuses on visual and sound studies and their interconnected relationship to the constitution of the sensible world within the East Asian regions while connecting to the larger global context, highlighting the global movement and cross-cultural networks of audiovisual media both enabled and complicated by technologies. Emphases are also placed on hand-on practice with individual and group projects. The goal is to not only understand audiovisual cultures critically but also actively engage in their production.
AMES142 - History of Chinese Medicine

Subject: AMES
Catalog Number: 142
Title: History of Chinese Medicine

Description:
This course introduces students to the history of medicine through the study of medical practices and beliefs in China. Paying close attention to socio-historical context, we will explore how those beliefs formed, how the practices have changed over time, and in particular how the introduction of Western medicine and then scientific biomedicine forced fundamental changes in Chinese medicine over the course of the twentieth century. This course also introduces students to the discipline of History, and students will work in close consultation with the professor to produce a unique research paper. History majors should take a Gateway Seminar first, but there are no official prerequisites.

AMES143 - Contemporary Israeli Cinema

Subject: AMES
Catalog Number: 143
Title: Contemporary Israeli Cinema

Description:

AMES144 - Introduction to Israeli Culture

Subject: AMES
Catalog Number: 144
Title: Introduction to Israeli Culture

Description:
Surveys of Israeli culture from the late 1940s to the present. Examines Israeli fiction, cinema, popular music, visual culture. Major themes include ethnicity, the Israeli-Palestinian conflict, class, the Jewish Holocaust, religion and secularism. Legal and economic aspects of culture.

AMES145 - Chinese Music Ensemble

Subject: AMES
Catalog Number: 145
Title: Chinese Music Ensemble

Description:
Instructor consent required.

AMES146 - Korean Popular Music (K-pop)

Subject: AMES
Catalog Number: 146
Title: Korean Popular Music (K-pop)

Description:
This course investigates the history, production, reception, and circulation of Korean popular music (K-pop). The course is designed in three modules: the first module offers a critical overview of the history of Korean popular music from 1900 to the present; the second module focuses on the political economy of K-pop; the third module investigates various social issues concerning K-pop, including gender politics, cultural appropriation, visual and aural aesthetics, fandom culture, use of technology, etc. Students will engage with both scholarly articles and popular sources, as well as music videos and albums. Knowledge of the Korean language can be helpful but is not required.

AMES150 - Chinese Art 1900 to Present

Subject: AMES
Catalog Number: 150
Title: Chinese Art 1900 to Present

Description:
Study of selected works of Chinese art and visual culture (painting, sculpture, architecture, video, performance, and installation art; fashion design and cinema) from 1900 to the present. Emphasis on the visual analysis of objects as well as their social and historical context.
AMES151 - Indian Cinema

Subject: AMES
Catalog Number: 151
Title: Indian Cinema

Description: Sources of vitality in twentieth-century Indian cinema. The resilience of popular cinema in the face of Hollywood. Narrative and non-narrative expressive forms in folk and high culture in India. The work of Guru Dutt, Satyajit Ray, G. Aravindan, and Mani Kaul.

AMES157S - Indian Civilization

Subject: AMES
Catalog Number: 157S
Title: Indian Civilization

Description: Surveys the rise of civilization and kingdoms on the Indian subcontinent from the first urban centers of the Indus Valley through the establishment of the Mughal Empire in the 16th century. Uses literary, archeological, linguistic, ethnological, and inscriptive evidence on the diversity of Indic peoples and their complex social, religious, and caste integration into the major states and empires of pre-modern India; considers wider civilizational networks and extensions of the Indian cultural sphere into other parts of Asia; integrates a historical and anthropological perspective on various primary materials.

AMES160 - Islam

Subject: AMES
Catalog Number: 160
Title: Islam

Description: Introduction to Islamic theology, practice, social institutions, and ethics in the past and present. This course uses original Islamic texts, academic prose, as well as film and fiction. Two short papers, quizzes, and brief presentation are required.

AMES161 - Japanese Cinema

Subject: AMES
Catalog Number: 161
Title: Japanese Cinema

Description: An introduction to the history of Japanese cinema focusing on issues including the relation between the tradition-modernity or Japan-West in the development of Japanese cinema, the influence of Japanese films on the theory and practice of cinema abroad, and the ways in which cinema has served as a reflection of and an active agent in the transformation of Japanese society.

AMES162 - Anime: Origins, Forms, Mutations

Subject: AMES
Catalog Number: 162
Title: Anime: Origins, Forms, Mutations

Description: Historical origins of Japanese anime, as well as its status as art, narrative, genre. Ways in which anime mutates: formally (literature, manga, live action), culturally (fashion, otaku, fan communities), geographically. No prior knowledge of subject matter or Japanese language required.

AMES165S - The World of Japanese Pop Culture

Subject: AMES
Catalog Number: 165S
Title: The World of Japanese Pop Culture

Description: An examination of modern Japanese culture through a variety of media including literary texts, cultural representations, and films. Different material each year.
<table>
<thead>
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<th>Title</th>
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</tr>
</thead>
<tbody>
<tr>
<td>AMES167</td>
<td>167</td>
<td>Ancient and Early Modern Japan</td>
<td>Japan from earliest settlement to 1868; the Heian Court, rise of the samurai, feudal society and culture, the Tokugawa age, and the Meiji Restoration.</td>
</tr>
<tr>
<td>AMES169</td>
<td>169</td>
<td>The Emergence of Modern Japan</td>
<td>A survey of modern Japanese history from 1850 to the present. Emphasis on social change as experienced by ordinary people. Includes a comparative overview of Japan's experience of modernity. This class is not open to students who have taken History 122A.</td>
</tr>
<tr>
<td>AMES171</td>
<td>171</td>
<td>World of Korean Cinema</td>
<td>The world of Korean cinema, broadly defined in terms of national, generic, theoretical boundaries, beyond conventional auteur, genre, one-way influence, and national cinema theories. Cinematic texts examined in local, regional, and global contexts and intersections, in conversation with global theories and histories of cinema, visual cultures, and other representational forms. Variable topics informed theoretically and politically by discourses on gender/sexuality, race/ethnicity, global flows of people and cultures, popular and 'high' culture crossovers, transnational co-productions, remakes, translations and retellings. No knowledge of Korean language/culture presumed.</td>
</tr>
<tr>
<td>AMES174</td>
<td>174</td>
<td>Japanese Religions: Buddhas, Gods, and Monsters</td>
<td>Buddhas, deities, and demons inhabit daily life in contemporary Japan, but many Japanese people insist that they are not religious. This course examines how 'religion' itself is understood in Japan, as well as the various strands of Japanese religious life from prehistoric times until the present. We will explore traditions including Shinto and kami (deity) worship, Buddhism, Christianity, Confucianism, and the New Religions; and investigate the ethical, social, and political dimensions of these traditions.</td>
</tr>
<tr>
<td>AMES179FS</td>
<td>179FS</td>
<td>Turkey: Muslim and Modern</td>
<td>Turkish history from the 18th century to the present. Turkey as strategic ally of the US; candidate for membership in European Union; first Muslim country to adopt democracy, secularism, and Westernization, and as political, cultural, and economic model for other Muslim countries. Focus on Turkish people's encounter with modernity as Muslims; questions about contradictions and promises of Muslim and modern experience; informed consideration of Islam's encounter with the West. No prerequisites. No knowledge of Turkish required.</td>
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<tr>
<td>AMES179S</td>
<td>179S</td>
<td>Turkey: Muslim and Modern</td>
<td>Turkish history from the 18th century to the present. Turkey as strategic ally of the US; candidate for membership in European Union; first Muslim country to adopt democracy, secularism, and Westernization, and as political, cultural, and economic model for other Muslim countries. Focus on Turkish people's encounter with modernity as Muslims; questions about contradictions and promises of Muslim and modern experience; informed consideration of Islam's encounter with the West. No prerequisites. No knowledge of Turkish required.</td>
</tr>
</tbody>
</table>
### AMES180FS - Heroes and Villains: Dissidence in the Middle East

**Subject**: AMES  
**Catalog Number**: 180FS  
**Title**: Heroes and Villains: Dissidence in the Middle East

**Description**
Considering the historical culture of disobedience in the Middle East and the significant actors as superheroes and villains depending on the time and their affiliations. Investigating how the dissident voices are constructed and performed from pre-modern esoteric practices in dervish convents, or coffee houses to print culture and social media in modern times. Discussing major themes such as protest and propaganda, censorship and self-censorship, and surveillance and counter-surveillance through films, poetry, graphic novels, and music.

### AMES182S - Asian American Theater

**Subject**: AMES  
**Catalog Number**: 182S  
**Title**: Asian American Theater

**Description**
Asian American theater and performance traditions, including major dramatic texts and canon formation. Critical framework for discussing race, ethnicity, gender, and sexuality.

### AMES185 - Islamic Civilization II

**Subject**: AMES  
**Catalog Number**: 185  
**Title**: Islamic Civilization II

**Description**
Continuation of Religion 375.

### AMES186 - The Turks: From Ottoman Empire to European Union

**Subject**: AMES  
**Catalog Number**: 186  
**Title**: The Turks: From Ottoman Empire to European Union

**Description**
Readings in cultural history and literature to examine transformations in Turkish identity from the Ottoman era to EU accession. Discussion of the 'gazi thesis', the 'sultanate of women', religious tolerance (millets), conversion, modernity and nationalism. Secondary topics include Sufism, Islam, gender, and historiography. Interdisciplinary focus. Taught in English.

### AMES187S - Gateway Seminar: Civil Rights and Asian Americans

**Subject**: AMES  
**Catalog Number**: 187S  
**Title**: Gateway Seminar: Civil Rights and Asian Americans

**Description**
Study of crucial legal and political moments in the struggle for equal civil rights of minorities, beginning with the laws of Chinese Exclusion, the struggle to define who was 'White,' the Asian Immigration Exclusion Acts, the relationships of Asians and African Americans and the struggle for equal schooling in the American South, the Japanese Concentration camps, the Redress and Reparations Civil Rights struggle, and the involvement of Asians Americans in the African American-led Civil Rights Movement in the 1960s, including working with Martin Luther King and Malcolm X, and Asian Americans in the anti-sweatshop unionization movement.

### AMES188FS - Games and Culture: Gateway to the Study of Games

**Subject**: AMES  
**Catalog Number**: 188FS  
**Title**: Games and Culture: Gateway to the Study of Games

**Description**
Examines analog and computer games from a cultural perspective. Explores how prevailing culture and values affect game design, popularity, and experience. how games affect those areas of culture, such as imagining disaster, utopia and dystopia. Explores role-playing and identity, ethics, group behavior, competition, politics, gender, race, and aesthetics.
<table>
<thead>
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<tbody>
<tr>
<td>AMES189</td>
<td>AMES</td>
<td>189</td>
<td>Women and Gender in the Middle East</td>
<td>An introductory survey exploring the Middle East through the gender perspective. Introduction to the gender and women's studies in the Middle East and the major issues. Cross-cultural and interdisciplinary readings to introduce the diversity of the region. Readings and screenings include the narratives and performances from the region.</td>
</tr>
<tr>
<td>AMES190FS</td>
<td>AMES</td>
<td>190FS</td>
<td>AMES Special Topics-Focus Program</td>
<td>Topics vary each semester. Open only to students in the Focus Program. Instructor consent required.</td>
</tr>
<tr>
<td>AMES190S</td>
<td>AMES</td>
<td>190S</td>
<td>Special Topics in Asian &amp; Middle Eastern Studies</td>
<td>Topics vary by semester.</td>
</tr>
<tr>
<td>AMES191</td>
<td>AMES</td>
<td>191</td>
<td>Indian Literature of Marginalized Society</td>
<td>To introduce literature and film of Indian marginalized society. Topics including Dalits, Women, and the LGBTQ community. To help understand the complexity of marginalized society in India. Literature and films chosen from various Indian languages. Different genres such as stories, novels, plays, cartoons, poetry.</td>
</tr>
<tr>
<td>AMES195S</td>
<td>AMES</td>
<td>195S</td>
<td>Gateway Seminar: Rethinking Asia and the Middle East</td>
<td>Studies intellectual concepts and cultural frameworks from Asia at large; compares normative European and North American conceptions of East Asia and the Middle East with contemporary challenges; examines how they internalize, negotiate and resisted Eurocentric knowledge; and focuses on nation, gender and race.</td>
</tr>
<tr>
<td>AMES201S</td>
<td>AMES</td>
<td>201S</td>
<td>The Israeli-Palestinian Conflict in Films</td>
<td>Explores cinematic representations of the Israeli-Palestinian conflict; probes the history and the current state of the conflict through its visual representations. Focuses on representations of violence: of state violence vs. non-state terrorism; probes the relationship between spectatorship and violence.</td>
</tr>
</tbody>
</table>
AMES203S - Modern Islam: Contemporary Islamic thought between revival and reform

Subject: AMES
Catalog Number: 203S
Title: Modern Islam: Contemporary Islamic thought between revival and reform

Description:
Course designed to give students mastery over debates in modern Islam. Islam's encounter with modernity, women's rights, fundamentalism, and colonialism. No background is necessary. Readings in English.

AMES205FS - Literary Islam: Poetry, Scripture, Philosophy

Subject: AMES
Catalog Number: 205FS
Title: Literary Islam: Poetry, Scripture, Philosophy

Description:
A broad overview of the most essential elements of the Islamic literary tradition. Begins with pre-Islamic poetry and how it framed the emergence of the Qur'an, hadith (sayings of the Prophet Muhammad), and the early Islamic community. Looks at the early Meccan verses of the Qur'an in comparison to with the later Madinan ones. Traces intertwined oral and scriptural traditions, hadith science and biographical literature, poetry and philosophy, mysticism and rationalism, belles lettres and adab, satire and vernacular literature. Ends with modern takes on classic genres and sources. Open only to students in the Focus Program. Department consent required.

AMES206FS - Clash of Civilizations: In the Heart of Europe

Subject: AMES
Catalog Number: 206FS
Title: Clash of Civilizations: In the Heart of Europe

Description:
This course focuses on the battle between barbarian invaders, established communities, and new religions in the Middle Ages. What became Spain and Portugal were battlegrounds between faiths old and new, a clash of civilizations between Christianity, Judaism, and Islam that would inform future global conflicts. We explore the history of this confrontation at the crossroad of civilizations—between East and West, Africa and Europe—and its effect on our worldview today. A common culture was forged in science, mathematics, music, literature, philosophy, and mysticism, a shared legacy shaping world history and the current world order. Part of the 'Geopolitics and Culture' Focus Cluster.

AMES207 - Silk Roads and China, Ancient and Medieval Transformations

Subject: AMES
Catalog Number: 207
Title: Silk Roads and China, Ancient and Medieval Transformations

Description:
The Silk Roads are the oldest and longest routes of cultural communication and economic exchange connecting Asia, Europe and Africa. In use since the days of Alexander the Great, the Roads and its rail networks now extend from China to England, connecting 70 countries and forming a vital system. This course introduces the ancient to early modern histories, cultures, and religions of the Silk Roads anchored in four themes: Alexander's empire; life in medieval cities of Chang'an, Baghdad and Constantinople; Silk Roads religions and the interactions of Buddhism, Christianity, Judaism and Islam; and the Mongol empire visited through the travels of Marco Polo.
AMES209S - Love, Spirit, and Mysticism: The Path of Love in Middle East and South Asia

Subject: AMES
Catalog Number: 209S
Title: Love, Spirit, and Mysticism: The Path of Love in Middle East and South Asia

Description:
Examination of Love-based spirituality in multiple religious traditions. Focus on material originating from Persian, Urdu, Turkish, and Arabic sources. Readings will include literature and songs in English.

AMES210 - Arab Cultures: Literature, Politics, History

Subject: AMES
Catalog Number: 210
Title: Arab Cultures: Literature, Politics, History

Description:
Explore different facets of modern and contemporary Arab cultures; memoirs, novels, prison notebooks, films, comic books, theoretical tracts, music, psychiatric case-studies, histories, and ethnographies; consider how authors depict key historical transformations taking place in the Arab world; different angles through which political questions are tackled; the negotiation between self and other.

AMES211 - Melodrama East and West

Subject: AMES
Catalog Number: 211
Title: Melodrama East and West

Description:
Melodrama as a genre in literature and as a mode of representation in film and other media. Issues include: gender construction, class formation, racial recognition, and national identity-building. Emphasis on comparative method attending American and Chinese cultures and the politics of cross-cultural representation.

AMES212S - North Indian Classical Music: Structure, Culture and Lyric

Subject: AMES
Catalog Number: 212S
Title: North Indian Classical Music: Structure, Culture and Lyric

Description:
North Indian classical music (NICM) has a rich history of three thousand years with influences from multiple cultures/languages. This course will explore linguistic/cultural/musical aspects of NICM culture. Texts and music include Bandishes (songs), using four different languages—Sanskrit, Hindi, Urdu, and Braj Bhasha, exploration of multilingual and multicultural aspects of text and melody construction, fundamental monophonic musical structure and improvisation (NICM-based definitions of raaga (melody) and thala(rhythm). Theoretical principles include the Bhatkhande notation system. Live performances of main ragas and compositions in different dialects. Students learn to play tanpura, a traditional instrument.

AMES213S - Muslim Ethics and Islamic Law: Issues and Debates

Subject: AMES
Catalog Number: 213S
Title: Muslim Ethics and Islamic Law: Issues and Debates

Description:
Premodern judicial arrangements and the contestations surrounding their modern incarnations. Topics include bioethics, gender and family law, war and peace, environmental issues, and political ethics.

AMES215S - The Middle East: From Facebook to Film

Subject: AMES
Catalog Number: 215S
Title: The Middle East: From Facebook to Film

Description:
Studying the Middle East through the lens of popular culture, with a focus on the cultural changes of the digital era. Focus on social media, film, graphic novels, amateur cameras. Studies how popular cultural forms relate to concurrent political and historical processes. Themes include: digital media and society, state violence and terrorism, human rights, sexuality and youth culture.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Title</th>
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<tbody>
<tr>
<td>AMES217</td>
<td>Astrology and Religion</td>
<td>Astrology and Religion</td>
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<tr>
<td>Catalog</td>
<td>217</td>
<td>Description:</td>
</tr>
<tr>
<td>Number</td>
<td></td>
<td>Introduces students to astrological divinational systems, methods and</td>
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<td>Title</td>
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<td>thought, with a focus on the astrology of Mesopotamian-Vedic-Greek</td>
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<td>thought 600 BCE-200 CE and Chinese I-Ching-based divination-</td>
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<td>astrological systems. Class explores these as key (persistent)</td>
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<td>examples of what Joseph Needham calls 'correlative thinking,' a mode</td>
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<td>of thought that attempts to make sense of the world through the</td>
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<td>prediction/identification of a fundamental, dynamic pattern that is</td>
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<td>used as a template for making sense of one’s place in the world, such</td>
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<td>as the family, Yin-Yang and Five Element theories, the year and the</td>
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<td>patterns of the stars day and night, the body, numerological schemas,</td>
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<td>and so on.</td>
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<td>AMES218</td>
<td>The Middle East Through Film</td>
<td>The Middle East Through Film</td>
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<tr>
<td>Catalog</td>
<td>218</td>
<td>Description:</td>
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<tr>
<td>Number</td>
<td></td>
<td>Film as access into the region through a series of direct as well as</td>
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<tr>
<td>Title</td>
<td></td>
<td>poetic connections woven across films viewed, filmmakers featured,</td>
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<td>lectures, discussions, and texts read. By means of the integration of</td>
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<td>course components and students' weekly responses, an understanding</td>
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<td>of the region is developed by way of inquiry into and rigorous</td>
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<td>engagement with cultural production. From feature length films to</td>
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<td>shorts, the breadth of the work we will engage with includes</td>
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<td>documentaries, dramas, and less traditional forms. A substantial</td>
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<td>midterm paper, and a final project to be in the form of one of three</td>
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<td>potential possibilities subject to approval of proposal: a paper, a</td>
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<td>talk, a short film.</td>
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<tr>
<td>AMES219</td>
<td>Elements of Linguistic Structure</td>
<td>Elements of Linguistic Structure</td>
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<tr>
<td>Catalog</td>
<td>219</td>
<td>Description:</td>
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<tr>
<td>Number</td>
<td></td>
<td>Examination of the main aspects of the phonemic systems and sound</td>
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<td>Title</td>
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<td>patterns and alternations of various languages that belong to different</td>
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<td>linguistic families, their word formation processes and mechanisms,</td>
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<td>and their phrasal and sentential syntactic structures and</td>
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<td>representations. Topics include the main issues in the field and</td>
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<td>theoretical approaches to natural languages and to language variation</td>
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<td>and change.</td>
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<tr>
<td>AMES220S</td>
<td>From Al-Qaeda to ISIS: Understanding Terrorism, its Roots,</td>
<td>From Al-Qaeda to ISIS: Understanding Terrorism, its Roots,</td>
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<tr>
<td>Catalog</td>
<td>220S</td>
<td>Responses, and Ramifications</td>
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<tr>
<td>Number</td>
<td></td>
<td>Description:</td>
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<tr>
<td>Title</td>
<td></td>
<td>Focus on Al-Qaeda as the preeminent terrorist group of contemporary</td>
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<td>militant Islam, its roots, ideology, and offshoots such as ISIS and</td>
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<td>other similar groups in Asian and Africa. Examination of Al-Qaeda’s</td>
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<td>ideology, political culture, and development through exploring the</td>
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<td>origins and the narrative discourse of modern Islamic organizations</td>
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<td>dating back to the Salafi Movement of the nineteenth century.</td>
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<td>Presentation of the patterns and ramifications of terrorist activities</td>
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<td>Use critical thinking in order to differentiate Muslim proper narrative</td>
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<td>discourse from that of Al-Qaeda and its affiliated groups.</td>
</tr>
</tbody>
</table>
AMES221 - Arab Society and Culture in Film

Subject: AMES  
Catalog Number: 221  
Title: Arab Society and Culture in Film

Description: Examination of Arab worldviews (including cultural variations, artistic expressions, views about gender, and religion, and perspectives toward the U.S.). Explores the development of images of the Arab and seeks to understand them in the context of the Arab world as well as in its relationship to the West. Analyzes the dynamics between norms of modern civil society and those dictated by religious traditions. Critically examines current Western assumptions, representations, and understanding of Arab societies, and the moral frameworks in which different choices are debated in the Arab context.

AMES222 - Indian Cinema & Social Change

Subject: AMES  
Catalog Number: 222  
Title: Indian Cinema & Social Change

Description: Considers the transnational purchase, aesthetic, and civic sensibilities of Indian cinema focusing on Hindi-language films. Review begins with emergence of Indian cinema in 1890s, then considers how social change became a driving force during anti-colonial resistance and nationalist reform. Course focuses on the post-independence (1947-) period, when social justice activism enters the mainframe of 'Bollywood' film. Core inquiry centers on how the cinematic imaginary of India perceives faultlines in Indian society and expresses its social voice. Themes include caste, gender, sanitation, poverty, successfuless, religious fundamentalism, ageism, and sexuality.

AMES223S - Muhammad: The Prophet of Islam

Subject: AMES  
Catalog Number: 223S  
Title: Muhammad: The Prophet of Islam

Description: Course will cover the life, legacy, and devotion to the Prophet of Islam. No background needed. All course material in English. Course will include various sources depicting the life of Muhammad, the statements attributed to the Prophet, and also the vast legacy of devotion to the Prophet.

AMES224S - Muslim Women Across the Ages

Subject: AMES  
Catalog Number: 224S  
Title: Muslim Women Across the Ages

Description: This course explores the diverse realities of Muslim women's lives, from the origins of Islam to the present, through autobiographical and biographical accounts situated in their social, economic, political, and cultural contexts. The women we will encounter through textual and audiovisual materials represent a wide range of personal backgrounds, including scholars, mystics, merchants, philanthropists, poets, slavegirls, feminists, and Islamists. We will metaphorically travel across the globe and time to understand the multifarious facets of Muslim women's lived experiences.
AMES225 - Islam in the Age of Trump: Race, Immigration, and Empire

Subject: AMES
Catalog Number: 225
Title: Islam in the Age of Trump: Race, Immigration, and Empire

Description:
Policy and history of treatment of Muslim Americans under Trump administration; Islamophobia as state policy; policy, law, history of both African American Muslims and Muslim immigrants; racism, policies of colonialism and Empire, and anti-immigrant bigotry.

AMES226S - World of Gaming: Art, Theory, Technology, and Business of a Multi-Billion Dollar Global Industry

Subject: AMES
Catalog Number: 226S
Title: World of Gaming: Art, Theory, Technology, and Business of a Multi-Billion Dollar Global Industry

Description:
Interdisciplinary and transnational exploration into the multi-billion dollar global gaming industry through social and theoretical lens. Asks what are the possibilities and pitfalls of gaming in our societies? Examines local and global cases, through art, storytelling, theory, design, technology, business, and gamer and fan communities. Select social and theoretical issues explored include im/migration and refugees, identity (race, gender, class and sexuality), environment, education, civic engagement, sports, recreation, war, and technology. Asia is one important case study as one of the most vibrant regions for examining gaming cultures, conflicts, and theories.

AMES227SA - Korea in Performance: Global Culture and Soft Power

Subject: AMES
Catalog Number: 227SA
Title: Korea in Performance: Global Culture and Soft Power

Description:
This course surveys the various ways in which South Korea has emerged as a leading nation in the creation of global culture since the late twentieth century. Exemplified by K-pop and K-drama, various cultural contents created in and promoted by Korea have circulated globally and have had a lasting impact on popular culture, new media, and the arts around the world. By using specific case studies in Seoul and its vicinities and by inviting guest speakers, the course introduces students to topics of globalization, interculturalism, neocolonialism, neoliberalism, transnationalism, and tourism.

AMES228S - Islam, Art, and Society

Subject: AMES
Catalog Number: 228S
Title: Islam, Art, and Society

Description:
Explores the historic interweaving of theology, spirituality, art, architecture, mathematics, & astronomy in the beautification of everyday objects & lived spaces. It examines how underlying principles of beauty and geometry shaped places such as hospitals, palaces, gardens, colleges, mosques, inns, and Sufi lodges as well as their historical functions in Muslim societies. Students also study and reconstruct historic examples of artistic patterns. A rotating variety of case studies across Afro-Eurasia may include sites and cultural artifacts from Bukhara, Cairo, Cordoba, Damascus, Delhi, Fes, Granada, Guangzhou, Hyderabad, Istanbul, Isfahan, Jerusalem, Malacca, Samarkand, Timbuktu & more.
AMES229D - From Agra to Istanbul: Islamic Art and Architecture in the Early Modern Era

Description
From glittering gold domes to vibrantly colored illuminated manuscripts, this course examines Islamic art and architecture from the Indian subcontinent to the eastern Mediterranean from the fifteenth to mid-nineteenth centuries. This period corresponds to the rise of major Islamic empires, most notably the Mughals, Safavids, and Ottomans, whose capital cities became booming centers of art and architecture. This class will explore the artistic production of these empires and consider the rich cross-cultural connections between them, as well as their relationships with the artistic traditions of both Europe and East Asia.

AMES230S - Islam in the Americas

Description
Explores how Muslim communities live and practice Islam in the American context. Examines diverse Muslim communities emerging from transatlantic exploration, trade in slaves, and migration as well as indigenous conversion. Discussion of religious and cultural identities of American Muslim peoples and consideration of questions of communal organization, religious authority, gender dynamics, youth culture, political and civic engagement, as well as American Muslim comedy and entertainment. Examination of impact of 9/11 upon American Muslims, their responses to the tragedy, and Americans’ shifting perceptions of Islam and Muslims.

AMES231 - Migrant China

Description
Introduction to the study of contemporary China, including Taiwan and the Chinese Diaspora. Key themes include family and kinship, sex and gender, regional diversity, ethnic minority relations, the politics of modernity, revolution, and reform, and the representation of Chinese identity through popular media, film, and travel.

AMES232S - Jerusalem

Description
Seminar assesses the contribution of Jerusalem’s buildings to its contentiousness from Biblical to modern times. Particular sites considered in the context of the urban history of the city from the time of Jesus through Arab, Crusader, Turkish and British rule to contemporary Israeli control. How these places act upon the religious imagination and how they affect the ideological positions of their users (and their abusers) discussed on the basis of photographs, archaeological reports, news reports, novels, sacred texts and diaries.

AMES233 - Global Chinese Cities through Literature and Film

Description
Modern Chinese cities in and beyond China, particularly as represented in literature and film. Considers city as object of cultural representation, as well as an engine of cultural production. Examines themes of modernization, alienation, nostalgia, migration, labor, and commoditization, and rethinks the very notion of ‘Chineseness’ within an increasingly globalized world. Featured cities include Beijing, Shanghai, Hong Kong, Taipei, and New York.

AMES234 - Survey of Modern China 1800-Present

Description
The course introduces the broad political and social changes of the last two hundred years in China beginning with the Qing imperial era and the last emperors, to the Opium Wars, the turning point of the Taiping Rebellion, the Republican Revolution and Communist Revolution; with focus and introduction to critical thought on imperialism, nationalism and ethnicity, revolution and social change using primary documents, secondary readings and films.
### AMES235S - Cross-Cultural Encounters

**Subject**: AMES  
**Catalog Number**: 235S  
**Title**: Cross-Cultural Encounters

**Description**  
The dynamics of cross-cultural interaction have actively shaped the world for many centuries now. This class explores some of the religious, social, and economic forces that fostered increasingly global contacts in history. In particular, it examines how centrally located and cosmopolitan Muslims played a critical role in connecting people of far-flung regions, cultures, and religions with one another. It surveys the myriad encounters of Muslims, Buddhists, Confucianists, Hindus, Jews, Christians and more across Afro-Eurasia and into the Americas. How did religious networks, processes and events foster historic exchanges of ideas, practices, and commodities across the world?

### AMES236S - From Ottoman Empire to the Modern Middle East

**Subject**: AMES  
**Catalog Number**: 236S  
**Title**: From Ottoman Empire to the Modern Middle East

**Description**  
Major cultural, political and historical issues in the transition from the late Ottoman Empire to the Modern Middle East. Emphasis on Ottoman legacies in the 20th century. Readings and discussions analyze end of empire through colonial intervention, WWI, the caliphate, political violence, cultural revolution, national self-determination, coups, post-colonial states, and Islamist mobilization. Interdisciplinary focus on cultural texts, including film, popular culture and literature. Thematic discussions on women/gender, identity- and state-formation, historiography, and hierarchies of race and religion.

### AMES240 - Games and Culture: Gateway to the Study of Games

**Subject**: AMES  
**Catalog Number**: 240  
**Title**: Games and Culture: Gateway to the Study of Games

**Description**  
Examines analog and computer games from a cultural perspective. Explores how prevailing culture and values affect game design, popularity, and experience. How games affect those areas of culture, such as imagining disaster, utopia and dystopia. Explores role-playing and identity, ethics, group behavior, competition, politics, gender, race, and aesthetics.

### AMES240S - Games and Culture: Gateway to the Study of Games

**Subject**: AMES  
**Catalog Number**: 240S  
**Title**: Games and Culture: Gateway to the Study of Games

**Description**  
Examines analog and computer games from a cultural perspective. Explores how prevailing culture and values affect game design, popularity, and experience. How games affect those areas of culture, such as imagining disaster, utopia and dystopia. Explores role-playing and identity, ethics, group behavior, competition, politics, gender, race, and aesthetics.

### AMES244 - Israel/Palestine: Comparative Perspectives

**Subject**: AMES  
**Catalog Number**: 244  
**Title**: Israel/Palestine: Comparative Perspectives

**Description**  
Introduction to the Israel/Palestine conflict, studied through an interdisciplinary lens, including scholarship from the fields of anthropology, environmental studies, history, geography and cultural studies. Themes include: competing nationalisms, environmental politics and resource management, peace building, refugees and displacement, humanitarian crises and challenges, representational politics. Range of primary sources will be used including human rights reports and testimonials, natural resource policies, feature and documentary film, memoirs, political treatises, and maps.

### AMES246 - Dance and Dance Theater of Asia

**Subject**: AMES  
**Catalog Number**: 246  
**Title**: Dance and Dance Theater of Asia

**Description**  
Asian dance and dance theater performance genres and the cultural aesthetics that inform them. Cultural traditions of China, Korea, Japan, India, Indonesia, Thailand and Cambodia. Religious, ritual, folk and royal court forms of artistic performance. The mythology, legends and symbolic interpretations that underlie the thematic core of these performance traditions; spiritual importance of disciplined training; the intercultural translation and adaptation of Asian performance disciplines to the West.
### AMES252S - Indigenous Journeys in South Asian Film and Literature
**Subject** AMES  
**Catalog Number** 252S  
**Title** Indigenous Journeys in South Asian Film and Literature  

**Description**  
A survey of real or imagined journeys in South Asian film and literature from the anxieties of modernity towards traces of the indigenous. Combines an interest in travel literature and road movies with inquiry into human values. Examines aesthetic representations of journeys that are made to idealize a particular past or to valorize contemporary traces of indigenous communities, while exploring the perspectives on modernity afforded by these real or imagined journeys.

### AMES253S - Epics of India: Ethics, Politics, and Performance Traditions
**Subject** AMES  
**Catalog Number** 253S  
**Title** Epics of India: Ethics, Politics, and Performance Traditions  

**Description**  
Wide variety of epics across linguistic, geographical, and community orientations. Moral discourses, literary theory relating to epic form, performance traditions and media representations of epic narrative, and connections between political ideology and epic visions.

### AMES255 - Religion and the Novel in Modern India
**Subject** AMES  
**Catalog Number** 255  
**Title** Religion and the Novel in Modern India  

**Description**  
Indian writing in English, especially the novel, provides a unique understanding of religion in the world’s largest democracy. The novel has come of age in India, seen innovations and has influenced world literature. Indian and Indian-origin novelists have been Booker and Pulitzer winners, Commonwealth awardees, and Sahitya Akademi laureates. Course will examine how the Indian novel in English understands and mediates tradition and modernity, selfhood and society in a deeply diverse culture. Includes novels written during the twilight of British colonial rule, the Partition, and contemporary decades of rapid globalization and diasporic change.

### AMES257 - Four Funerals and a Wedding: Introduction to Chinese Religious Life
**Subject** AMES  
**Catalog Number** 257  
**Title** Four Funerals and a Wedding: Introduction to Chinese Religious Life  

**Description**  
This is an introductory course on contemporary Chinese religious life. Students are encouraged to think comparatively about religious life with sociological as well as historical imagination. We examine the major religious traditions in China today—Confucianism, Buddhism, Daoism, Christianity, Islam, and popular religious traditions—through rituals and beliefs related to everyday life, such as birth, marriage, and death. Case studies include a history of the development of Confucianism; an analysis of essential concepts and practices in Daoism; a narrative of Catholicism in a Chinese village; a history of women’s mosques in China; and a study of contemporary popular religious practices.
AMES257S - Four Funerals and a Wedding: Introduction to Chinese Religious Life

Subject
AMES

Catalog Number
257S

Title
Four Funerals and a Wedding: Introduction to Chinese Religious Life

Description
This is an intensive seminar on contemporary Chinese religious life. Students are encouraged to think comparatively about religious life with sociological as well as historical imagination. We examine the major religious traditions in China today – Confucianism, Buddhism, Daoism, Catholicism, Protestantism, Islam, and popular religious traditions – through rituals and beliefs related to everyday life, such as birth, marriage, and death.

AMES258S - The Tokyo Idea: Visualizing a Global City

Subject
AMES

Catalog Number
258S

Title
The Tokyo Idea: Visualizing a Global City

Description
Tokyo is the political, cultural, and economic center of Japan. This class will focus on the different portrayals of Tokyo over time and how the city has been imagined in art, architecture, literature, film, popular culture, and fashion from the end of the Edo period to the present day.

AMES262 - Contemporary Japanese Visual Culture

Subject
AMES

Catalog Number
262

Title
Contemporary Japanese Visual Culture

Description
Introduction to the art and visual culture of contemporary Japan concentrating on the postwar period, particularly 1980s to present. Performance art, installations, graphic and industrial design, photography, fashion, animation, and comics (manga). The transnational spread of popular culture within the Asia-Pacific region and the cross-cultural exchanges between East and West; the relationship between high art and popular culture; the impact of economic globalization and consumerism on visual culture.

AMES265 - The Transnational Realities of an Ancient Tradition

Subject
AMES

Catalog Number
265

Title
The Transnational Realities of an Ancient Tradition

Description
This course traces the global development of Confucianism as religious, political, and cultural traditions from the eighteenth century to the twentieth-first century. Confucianism has taken a strong hold in East Asia for centuries, and it has also been having significant impact in Southeast Asia, especially in Vietnam, Singapore, Indonesia, and Malaysia, and today in North America as well. By examining textual, historical, and ethnographic data, this course focuses on the most recent developments of Confucianism as a religious and ritual tradition in diverse societies, while taking into account its cultural and political impact on global modernity.
AMES267 - Spiritual But Not Religious

**Subject**: AMES  
**Catalog Number**: 267  
**Title**: Spiritual But Not Religious

**Description**
This course addresses one of the most pressing questions in the study of religion today: What does it mean to be 'spiritual but not religious'? This is a question that frequently appears in survey research; about a quarter of U.S. adults now say they think of themselves as spiritual but not religious' (Pew). In this course, we address the big questions about how to define 'religion' and 'spirituality,' and use empirical data to acquire a new understanding of the lived experience of people who are 'spiritual but not religious,' not only in the United States, but also in Asia and other parts of the world.

AMES270T-1 - Voices in Global Health: Arabic Tutorial

**Subject**: AMES  
**Catalog Number**: 270T-1  
**Title**: Voices in Global Health: Arabic Tutorial

**Description**
Through practical and theoretical discussions around case studies, visual texts, and interviews in the target language, Voices in Global Health examines emerging health challenges at the local and global level. Through the experiences and knowledge shared from our guest speakers, we will explore the underlying health behaviors and cultural beliefs while producing culturally appropriate health interventions. Tutorials meet weekly for 75-minutes. Prerequisite: 4 semesters of language or equivalent – heritage and native speakers are welcome to enroll. Satisfactory/Unsatisfactory. Community-engaged course.

AMES270T-4 - Voices in Global Health: Hindi Tutorial

**Subject**: AMES  
**Catalog Number**: 270T-4  
**Title**: Voices in Global Health: Hindi Tutorial

**Description**
Through practical and theoretical discussions around case studies, visual texts, and interviews in the target language, Voices in Global Health examines emerging health challenges at the local and global level. Through the experiences and knowledge shared from our guest speakers, we will explore the underlying health behaviors and cultural beliefs while producing culturally appropriate health interventions. Tutorials meet weekly for 75-minutes. Prerequisite: 4 semesters of language or equivalent – heritage and native speakers are welcome to enroll. Satisfactory/Unsatisfactory. Community-engaged course.

AMES270T-5 - Voices in Global Health: Mandarin Tutorial

**Subject**: AMES  
**Catalog Number**: 270T-5  
**Title**: Voices in Global Health: Mandarin Tutorial

**Description**
Through practical and theoretical discussions around case studies, personal narratives, documentaries and recorded interviews in the Chinese language, students examine how language and culture impact health beliefs and behaviors. Explore underlying reasons for different beliefs and behaviors with the goal of creating culturally appropriate interventions. This is a service-learning or community-engaged course. Engagement may include direct, project-based, or research-focused service with local/global community partners among other engaged practices. Meet weekly for 75 minutes. Prerequisite: Chinese 305 or equivalent. Instructor consent required.
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<th>Subject</th>
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<tr>
<td>AMES</td>
<td>271T</td>
<td>Voices in Philosophy: Chinese Tutorial</td>
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<tr>
<td>AMES</td>
<td>272T</td>
<td>Voices in the Environment: Mandarin</td>
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<tr>
<td>AMES</td>
<td>275</td>
<td>Chinese Philosophy</td>
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<tr>
<td>AMES</td>
<td>276</td>
<td>Introduction to Asian American and Diaspora Studies</td>
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</tbody>
</table>

**AMES271T - Voices in Philosophy: Chinese Tutorial**

**Subject**
AMES

**Catalog Number**
271T

**Title**
Voices in Philosophy: Chinese Tutorial

**Description**
Discussion-based course trains students to read and analyze core philosophical texts in Chinese, typically in conjunction with a lecture course offered in philosophy. Classes include close readings of original texts, discussions of interpretation and application in variety of other forms (including film, documentary, multimedia) and real-life situations. Students examine how language/culture impact our understanding of core philosophical texts through attention to issues such as translation, vernacular, and word choice. Tutorials meet weekly for 75 minutes. Recommended prerequisite: Chinese 306 or equivalent.

**AMES272T - Voices in the Environment: Mandarin**

**Subject**
AMES

**Catalog Number**
272T

**Title**
Voices in the Environment: Mandarin

**Description**
In this course, students will explore how language and culture impact environmental policy and practice. Through authentic text, video, and case studies in Mandarin, students will analyze environmental issues in the Francophone World to develop their understanding of core issues in the field. Tutorials meet for 75 minutes/week. Taught in Mandarin.

**AMES275 - Chinese Philosophy**

**Subject**
AMES

**Catalog Number**
275

**Title**
Chinese Philosophy

**Description**
The major schools of classical Chinese philosophy: Confucianism, Moism, and Taoism. Confucianism on the ideals of harmonious human life; Moism's charge that Confucianism encourages an unjustified partiality toward the family; Taoism's claim that no logically consistent set of doctrines can articulate the 'Truth.' Debates and mutual influences among these philosophies. Comparisons between Chinese and Western cultures with respect to philosophical issues and solutions.

**AMES276 - Introduction to Asian American and Diaspora Studies**

**Subject**
AMES

**Catalog Number**
276

**Title**
Introduction to Asian American and Diaspora Studies

**Description**
What does it mean to be Asian American? Asian American Studies is an interdisciplinary field that draws on social sciences, humanities, and the arts to explore the historical and contemporary experiences of Asian Americans in the western hemisphere. This course provides students with an introduction to this dynamic and growing field of study, taking race, gender, immigration, diaspora, class, labor, and sexuality as primary subjects of the field. The course also historicizes Asian American racialization to better understand the structural forces that have shaped Asian American lives and the ways that writers, scholars, and activists have responded to and resisted these forces.
AMES277T - Voices in Marketing: Advertising in Chinese

Subject: AMES
Catalog Number: 277T
Title: Voices in Marketing: Advertising in Chinese

Description:
Discussion-based course trains students to analyze all forms of advertising in Chinese. Classes explore the history and theories of advertising in China, as well as hands-on strategies for analyzing ads, with particular attention to issues such as translation, localization, and ethics. Tutorials meet weekly for 75 minutes. Does not count for the Markets & Management Studies certificate program. Prerequisite: Chinese 204 or equivalent.

AMES283S - Istanbul: Religion, Politics and Cosmopolitanism

Subject: AMES
Catalog Number: 283S
Title: Istanbul: Religion, Politics and Cosmopolitanism

Description:
Istanbul is the only city in the world located on two continents. Byzantine, Ottoman, and Turkish cultural legacies allow the city to be read as a 'palimpsest', a multi-layered urban text of multiple, even contradictory meanings. Istanbul is an ideal site to explore imperial history, Islam and Christianity, migration, East/West relations, and cosmopolitanism. Through interdisciplinary sources in history, culture, theory, and politics, students will examine a variety of urban, architectural and social spaces including churches, mosques, public squares, and ethnic neighborhoods. Taught in English.

AMES288S - Religion and Politics in Post-Revolutionary Iran

Subject: AMES
Catalog Number: 288S
Title: Religion and Politics in Post-Revolutionary Iran

Description:
The relationship between religion and politics; Islam and politics; Islamic political theology and ethics; stages of Shi'ite Islam and politics; Iran between two revolutions; political Islam; Khomeini's political thought; Iranian Constitution; tension between theocracy, secularism, and democracy; quasi-democracy and elections; expediency and secularization; civil and Islamic law; Muslim fundamentalists, traditionalists, and reformists; from competitive electoral to the non-competitive electoral authoritarian regime; women's rights; religious and ethnic minorities; foreign policy; revolutionary guards; Khomeini and Khamenei administrations; the future of Islamic republic of Iran.

AMES290S - Special Topics in Asian and Middle Eastern Studies

Subject: AMES
Catalog Number: 290S
Title: Special Topics in Asian and Middle Eastern Studies

Description:
Topics vary by semester.
AMES295S - Black Muslims: Race, Religion, & Culture

Subject  AMES  
Catalog Number  295S  
Title  Black Muslims: Race, Religion, & Culture  

Description  The intersection of African, American, European, and Islamic cultures studied through the cultural and intellectual flourishing of black Islam. Topics include early Muslim communities established in the Americas through the transatlantic slave trade, Muslim slave rebellions in Brazil and the Caribbean, Muslim slave autobiographies, African Muslims in Europe, the emergence of the Moorish Science Temple and the Nation of Islam, Elijah Muhammad, Malcolm X, Muhammad Ali, women of the Nation of Islam, women's Qur'an exegeses, Hagar as a black woman, black feminism, the Five-Percent Nation, Islamic hip-hop and rap, 'the Black Crescent,' the black international and Islam, and the Black Panthers.

AMES296S - Turkish History through the Novels of Orhan Pamuk

Subject  AMES  
Catalog Number  296S  
Title  Turkish History through the Novels of Orhan Pamuk  

Description  An introduction into Turkish history (including the Ottoman Empire) through a comparative study of the historical novels and nonfiction of Nobel Laureate Orhan Pamuk. Addresses Pamuk's role as an intellectual-author who mediates between Islamic culture, secular modernity, the Turkish national tradition and an international canon of literature. Political implications of Sufism, cultural revolution, Orientalism, and post-colonialism. Secondary focus on representations of cosmopolitan Istanbul, political Islam and the military coup. Taught in English.

AMES301D - Religion, Restrictions, and Violence

Subject  AMES  
Catalog Number  301D  
Title  Religion, Restrictions, and Violence  

Description  An examination of the historical roots and current manifestations of religiously-justified violence and disenfranchisement, with a focus on the Abrahamic traditions (Judaism, Christianity, and Islam). The violence treated will include the expressly physical as well as the more insidiously existential, including political and cultural marginalization. Major loci of exploration will include gender and sexuality; Israel-Palestine, and the intersection of contemporary identities. Topics include the nature of extremist within each tradition, the challenges of assimilation and 'modernity,' and the role and nature of citizenship and territory.

AMES304 - Africa and Arabia: Cultures, Communities, and Connections

Subject  AMES  
Catalog Number  304  
Title  Africa and Arabia: Cultures, Communities, and Connections  

Description  Explores communities, cultures, and connections between Africa and Arabia; Provides concepts and theories on human mobility and interconnectedness in the contexts of the two regional; Examines displacement, migration within and emigration from the two regions, and areas of collaboration and contention in the globalized world; Examines themes of religious terrorism, language, music, and narratives against European colonialism; Explores different intellectual platforms such as political biographies, films, guest experts etc; Interview partners in Egypt, Morocco and Senegal on related intercultural issues and politics.
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<th>Subject</th>
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<tr>
<td>AMES</td>
<td>308S</td>
<td>Bilingualism</td>
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<tr>
<td>Description</td>
<td>Examination of bilingualism at the individual, interpersonal, and social levels from psycholinguistic, socio-linguistic, anthropological, and educational perspectives. Issues to include the relation between language and cognition, language development, language identity, socio-linguistic practices in multicultural settings, language maintenance, and language policy and planning.</td>
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<th>Subject</th>
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<tr>
<td>AMES</td>
<td>309</td>
<td>Chinese Im/migration: Chinese Migrant Labor and Immigration to the US</td>
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<td>Description</td>
<td>Comparative examination of contemporary China's 'floating population' of migrant labor, and of Chinese immigration abroad (particularly to the US). Focus on cultural representation of these phenomena (particularly literary, cinematic, and artistic works), but sociological, anthropological, economic, and political perspectives will also be considered. Topics include cultural alienation, marginalization, and assimilation; education and health care; labor and commodification; gender and ethnicity; narratives of modernization and development; together with the ethical, social, and political implications of migration.</td>
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<tr>
<td>AMES</td>
<td>310S</td>
<td>Acquisition of Japanese as a Second Language</td>
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<td>Description</td>
<td>Examining the Japanese language data used in the development of second language acquisition theories; learning syntactic and semantic properties of the Japanese language and their comparisons with English; reading published empirical studies about acquiring Japanese as a second language and evaluate their arguments; designing an original research to address the current issues in learning and teaching Japanese.</td>
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<td>AMES</td>
<td>311S</td>
<td>Poetic Cinema</td>
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<td>Description</td>
<td>Inquiry into sources of 'resonance' in international cinema with emphasis on films from Asia and the Middle East. The object of the course is to attempt a description of aspects of film construction which conduce to intense experience for viewers. Readings in indigenous aesthetics.</td>
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## AMES312S - Asian Religion and Knowledge of the Other

**Subject:** AMES  
**Catalog Number:** 312S  
**Title:** Asian Religion and Knowledge of the Other

**Description:**  
This is a course that deals with some of the most fundamental questions in our modern global age: How do we understand societies that seem very different from our own? How do we relate to people who come from different cultural traditions and how do we understand religions that are distinct from our own? In order to answer these questions, we need to comprehend the various conceptualizations of the so-called 'Other' and our relationship with 'the Other.' We examine the diverse way through which we engage with Asian religions, such as Confucianism and Tibetan Buddhism, in the West, as well as the actual religious experience of Asian Americans, in particular Chinese-Americans.

## AMES314 - Zen Buddhism: A Survey from Its Origins to the Present Day

**Subject:** AMES  
**Catalog Number:** 314  
**Title:** Zen Buddhism: A Survey from Its Origins to the Present Day

**Description:**  
An examination of Zen Buddhism from its origins to its global spread in the nineteenth-twentieth centuries.

## AMES315 - Buddhist Meditation in Transformation: Historical, Scientific, and Medical Perspectives

**Subject:** AMES  
**Catalog Number:** 315  
**Title:** Buddhist Meditation in Transformation: Historical, Scientific, and Medical Perspectives

**Description:**  
An in-depth examination of the Buddhist path and techniques of self-transformation in various Buddhist cultures, both premodern and modern. The differing conceptions of the psychophysical person and the goals of Buddhist practice assumed by these meditative techniques will be investigated. As part of the examination of Buddhist meditation, students will have an opportunity to experience a range practices and to reflect on the role of meditation in the construction of Buddhist maps of human development. Not open to students who took this course as an 89S First Year Seminar.

## AMES315S - Buddhist Meditation: Cultivation Practices and Psychology

**Subject:** AMES  
**Catalog Number:** 315S  
**Title:** Buddhist Meditation: Cultivation Practices and Psychology

**Description:**  
Buddhist paths and techniques of self-transformation in premodern and modern Buddhist cultures. Conceptions of the psychophysical person and goals of Buddhist practice assumed by these meditative techniques. Reinterpretation and modification of traditional meditation practices in contemporary Buddhist societies. Students who took this course as an 89S First Year Seminar are not eligible to enroll.
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<tr>
<td>AMES</td>
<td>316</td>
<td>Introduction to Critical Theory</td>
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<td>AMES</td>
<td>317</td>
<td>Martin Luther King and the Prophetic Tradition</td>
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<td>AMES</td>
<td>318S</td>
<td>Social Movements and Social Media</td>
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<td>AMES</td>
<td>319S</td>
<td>Andalusia: Muslim, Jewish, Christian Spain</td>
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<tr>
<td>AMES</td>
<td>321</td>
<td>Rumi: Mysticism and Poetry</td>
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<tr>
<td>AMES</td>
<td>323S</td>
<td>Modern Buddhism in Asia and America</td>
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**Description**

*AMES316 - Introduction to Critical Theory*

This course is an introduction to fundamental texts and concepts in the history of critical theory. We will be expanding the scope of our examination well beyond the remit of the Frankfurt School, to which the term 'critical theory' is often linked and look at key texts in the history of political philosophy, social theory, linguistics and language philosophy, gender studies, critical race theory, and postcolonialism. All our readings will be primary literature from what might be dubbed a 'critical theory cannon' and is intended to introduce students in the humanities and qualitative social sciences to essential and foundational materials.

*AMES317 - Martin Luther King and the Prophetic Tradition*

Situates Martin Luther King as a preacher in the black Christian tradition with a liberationist reading. Traces the movement from civil rights to opposition to economic injustice, war, and militarism. Analyzes what the prophetic voices of today have to say about issues of poverty, racism, environmental destruction, militarism, homophobia, drones, sexism.

*AMES318S - Social Movements and Social Media*

Examines uses and abuses of social media by social movements. Interested in a broader historical study of mediating technologies and oppositional public sphere, course considers the uses of cameras, phones, cassette players, radio, and social media platforms, but also books, bodies, art, fashion, and automobiles as oppositional technologies. Studies political and ethical uses of technologies in social unrest. Investigates impact of technologies on social movements and social transformations in contemporary history. Student driven case studies will highlight contemporary engagement with social media by networked social movements.

*AMES319S - Andalusia: Muslim, Jewish, Christian Spain*

Intersection of cultures, religions, languages, & peoples through history, poetry, music, architecture, & philosophy in Spain. Cultural flourishing from the contact—and sometimes clash—of European, Spanish, Islamic, Arab, African, Middle Eastern, and Jewish civilizations and Arabic, Spanish, and Hebrew languages. Ends with Andalusian culture in modern music, poetry, art, dance, & architecture at the crossroads of civilizations. Includes travel to Spain over spring break so students witness firsthand the coexistence of different religious traditions and cultures. Instructor consent required.

*AMES321 - Rumi: Mysticism and Poetry*

Rumi, the iconic poet of Persian Islamic tradition; course examines his writings, context, and legacy. Involves students’ research. Encourages students to cultivate critical skills by assessing relevant scholarship and developing multidisciplinary methodologies. All readings in English; no previous coursework or command of Persian/Arabic required.

*AMES323S - Modern Buddhism in Asia and America*

An examination of Buddhism in Asia, Europe, and the United States from the mid-nineteenth century to the present. Emphasis on global exchanges that resulted in the emergence of Buddhism in the United States and Europe and the transformation of Buddhism in Asia.
# AMES324S - Islam & the Meaning of Life
**Subject**: AMES  
**Catalog Number**: 324S  
**Title**: Islam & the Meaning of Life  
**Description**:  
The range of topics implicated by ‘meaning of life’ as essentials of Islamic philosophy and theology includes the features of the good life; true happiness; the quest for eternity and not to be forgotten; overcoming loneliness and alienation; peacefulness; seeking truth and reducing suffering; living in a purposeful universe; free will; the ultimate purpose of the human life; necessary cause for moral obligations; faith and reason; human dignity; the quest for absolute beauty and good; knowing the Beginning and the Return; the observation of transcendence and immanence; the origin of mercy, love, friendship, justice, fairness, and hope; ‘the wholly other’; the exemplar of the human being.

# AMES326A - Religion, Security and Global Citizenship in the Arab World
**Subject**: AMES  
**Catalog Number**: 326A  
**Title**: Religion, Security and Global Citizenship in the Arab World  
**Description**:  
Examine how the Arab world is embodied in the global or world system of the 21st century. Learn the specific accents that inform its citizens and shape its prospects locally, regionally and internationally. Examine how the major Abrahamic traditions - Judaism, Christianity and Islam - had their historical origins in the eastern Mediterranean world, and how they continue to have adherents that populate the region and challenge the modern notion of citizenship. Explore how the current uprising reflects the challenges of reconciling local aspirations with global forces. STUDY ABROAD: Duke in the Arab World Summer 2012

# AMES328S - Literary Islam
**Subject**: AMES  
**Catalog Number**: 328S  
**Title**: Literary Islam  
**Description**:  
The Quran as scripture; mystical poetry; stories of the early community; literary cultures in the early community; modern reinterpretations of Islamic sources; Islamist literature; modern Islamic poetry, novels, plays, and stories.

# AMES329S - Islamic Media
**Subject**: AMES  
**Catalog Number**: 329S  
**Title**: Islamic Media  
**Description**:  
How contemporary technologies reawaken the sense of the sacred in daily life, rather than destroy it. How technologies new and old circulate the Word in its multiple incarnations, but also cultivate modes of communal identification. How Islamic media transform the social and political landscape, as well as the way we see/feel/perceive the world. How religion has been intensified, diversified, and inflected by the information age. How this media constitutes the very experience of religion. Film, video, digital media, satellite television, social media, print media, audiocassettes, radio, music.

# AMES331S - Buddhist Ethics
**Subject**: AMES  
**Catalog Number**: 331S  
**Title**: Buddhist Ethics  
**Description**:  
Survey of various Buddhist understandings of ethics, both classical and contemporary. How different Buddhist communities have responded to such ethical problems as the existence of evil, war, injustice, and suffering as well as contemporary Buddhist debates over abortion, ethnic fratricide, human rights, environmental problems, economic justice, and cloning.

# AMES332S - Asian American Literature
**Subject**: AMES  
**Catalog Number**: 332S  
**Title**: Asian American Literature  
**Description**:  
The course examines major works of Asian American literature from the nineteenth century to the present. It surveys how Asian American authors of novels, short stories, and poetry have negotiated the historical forces that have shaped Asian American experiences over the past century.
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<tr>
<td>AMES335</td>
<td>335</td>
<td>Chinatowns: A Cultural History</td>
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<td>Description</td>
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<td>Explores the intersection of space and ethnicity through the myriad ways Chinatown has circulated as memory, fantasy, narrative, myth, in the dominant cultural imagination, and how lived realities of overseas Chinese communities, Asian American history, and changing conceptions of 'Chineseness' have productively engaged with real and phantom Chinatowns. Research will emphasize multi-disciplinary approaches, such as urban history, architecture, ethnography, economics; or engagement in a creative project.</td>
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<td>AMES336</td>
<td>336</td>
<td>Chinese science fiction</td>
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<td>Description</td>
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<td>An examination of modern Chinese-language science fiction (SF), including literature and cinema. Particular attention to how SF works use descriptions of alternate worlds to comment critically on contemporary social and political concerns. All materials will be available in English translation. No prior knowledge required.</td>
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<td>AMES337S</td>
<td>337S</td>
<td>Chinese Sociolinguistics</td>
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<td>Description</td>
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<td>Investigation of the complex interaction between Chinese linguistic practices and Chinese-speaking societies. Integration of conceptual framework in sociolinguistics and empirical research on sociolinguistics issues in Chinese-speaking societies. Topics including the historical development of the modern Chinese language, regional and social variations, language ideology and language policies, language and identity, language and gender, politeness and cross-cultural communication, language and social media, and language and education. Readings and class conducted in English.</td>
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<td>AMES338S</td>
<td>338S</td>
<td>Globalization and Theater</td>
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<td>Description</td>
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<td>This course surveys the various ways in which contemporary theatre has been created and circulated in a global context.</td>
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<td>AMES342S</td>
<td>342S</td>
<td>Languages in Southwest China: Grammar of Multilingualism</td>
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<td>Description</td>
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<td>Issues in bilingualism and multilingualism under the context of Southwest China; experimental approaches to bilinguals of Nuosu Yi and Mandarin Chinese; bilinguals of Kham Tibetan and Mandarin Chinese, a total of 4 million people living in Southwest China; theoretical and pedagogical issues specific to minority group languages in China.</td>
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<tr>
<td>AMES349S</td>
<td>349S</td>
<td>Hinduism and Judaism: Culture, Religion, and Identity</td>
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<td>Description</td>
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<td>Using interdisciplinary comparative frameworks, this course will study how two major world religions, Hinduism and Judaism, create a dynamic cosmos that brings abiding meaning to the daily lives of millions of believers. Explores concepts such as 'ritual' and 'myth' by examining Jewish and Hindu materials from early to modern times. The broader aims of the course are to understand how each tradition imagines time, space, and matter, and to explore how claims about the sacred are transformed in modernity. Ultimately, it aims to inspire reflection on how religion, identity and culture function in the modern world.</td>
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AMES373S - Islamic Mysticism
Subject: AMES  
Catalog Number: 373S  
Title: Islamic Mysticism  
Description: This course introduces the history and key concepts of Islamic spirituality through the lives, writings, institutions, and influence of Muslim sages, ascetics, and saints across Africa, Europe, Asia, and the Americas. Critical topics include Sufi origins, psychology, healing, music, poetry, politics, and the aspiration to beautify one's self and society through connection with the Divine.

AMES379SA - Gender and Immigration between Europe and the Middle East
Subject: AMES  
Catalog Number: 379SA  
Title: Gender and Immigration between Europe and the Middle East  
Description: Investigates the gendered experience of immigration and its implications for changing the culture both at home and in the hosting countries. Between the traditions of the country of origin and acculturation to the new home, women and LGBTQ communities are the most vulnerable facing gender-based discrimination and violence. Nonetheless, immigration also offers the opportunity to cross the borders of binaries, such as femininity and masculinity, which can be empowering and liberating. This seminar is offered as part of the Middle East in Europe: Berlin/Istanbul study abroad program.

AMES380SA - Transnational Muslims in Germany: Politics of Migration, Religion, and Culture
Subject: AMES  
Catalog Number: 380SA  
Title: Transnational Muslims in Germany: Politics of Migration, Religion, and Culture  
Description: Critically analyzes political debates about Muslims and Islam in Europe that often cast them as a 'security threat' or a 'problem' of failed integration. Traces the geographical production of Muslim subjects through transnational flows, networks and imaginaries. Examines a series of topics including debates about the headscarf, Muslim women's dress, mosque construction, Muslim civil society organizations, and the refugee crisis in Germany. Taught in English as part of the Duke Middle East in Europe program.

AMES381SA - Politics and Culture Between Europe and the Middle East
Subject: AMES  
Catalog Number: 381SA  
Title: Politics and Culture Between Europe and the Middle East  
Description: Surveys the changing geopolitical context of communities between Europe and the Middle East through an interdisciplinary cultural framework from WWI to the present. Emphasis on German/Turkish relations. Analysis of representations of nationalism, identity, ethnicity, gender and religion. Examines intersections of modernity, revolution, and lived and political Islam to analyze the ways in which political ideologies create and question Middle Eastern identities. Secondary theoretical readings, including work by political scientists, cultural critics, and policy experts. Taught in English as part of the Duke Middle East in Europe program.
### AMES385S - Islam, Medicine, and Healing

**Subject:** AMES  
**Catalog Number:** 385S  
**Title:** Islam, Medicine, and Healing  

**Description:** This course explores the global history of Islamic medicine and healing through the intersections of religion and medicine in multiple contexts. It investigates how questions of health, healing, and illness have been addressed across premodern patterns, colonial and post-colonial transitions, up to the present. Students will examine how different approaches to spirituality, law, and science congeal and compete in relation to the human body, animals, food, pharmaceuticals, medicine, and hospitals. Through considering traditional healing practices to contemporary bioethics, this class analyzes how religion and medicine have been constituted, lived, and experienced around the world.

### AMES388S - Global South Asia: History and Culture of Diaspora

**Subject:** AMES  
**Catalog Number:** 388S  
**Title:** Global South Asia: History and Culture of Diaspora  

**Description:** This course examines the making of South Asia (Afghanistan, Bangladesh, India, Myanmar, Pakistan, and Sri Lanka) as a global space from the early 20th-century until today. In addition to an examination of the region, course material will also address the South Asian Diaspora, particularly throughout Australia, East Africa, Southern Africa, Canada, the Caribbean, France, Germany, the United Kingdom, and the United States. Topics may include imperialism and decolonization; the making of postcolonial nation-states; migration, labor, and citizenship; and the global circulation of caste, class, religion, gender, and sexuality.

### AMES390 - Special Topics

**Subject:** AMES  
**Catalog Number:** 390  
**Title:** Special Topics  

**Description:** Topics vary each semester.

### AMES390A - Duke-Administered Study Abroad: Advanced Special Topics in Asian and Middle Eastern Studies

**Subject:** AMES  
**Catalog Number:** 390A  
**Title:** Duke-Administered Study Abroad: Advanced Special Topics in Asian and Middle Eastern Studies  

**Description:** Topics vary each semester.

### AMES390S - Special Topics

**Subject:** AMES  
**Catalog Number:** 390S  
**Title:** Special Topics  

**Description:** Seminar version of Asian and Middle Eastern Studies 390. Topics vary each semester.

### AMES391 - Independent Study

**Subject:** AMES  
**Catalog Number:** 391  
**Title:** Independent Study  

**Description:** Individual non-research directed study in a field of special interest on a previously approved topic, under the supervision of a faculty member, resulting in an academic and/or artistic product. Consent of instructor and director of undergraduate studies required.
AMES402 - Hashtags Memes, Digital Tribes

Subject: AMES
Catalog Number: 402
Title: Hashtags Memes, Digital Tribes

Description: Tracks digital life and creative expression of groups online in a close study of images, captions and hyperlinked tags. Examines rituals, symbols and cultural patterns that structure everyday life of digital tribes online and investigates impact of digital and social media (Twitter, Instagram Facebook, Periscope) on the constitution of communities online and offline. Studying varied array of digital tribes: tribes of the deaf, of oil rig workers, of Hindu worshippers, of prison wives and laptop entrepreneurs, students learn about underlying myths, rituals, and cultural symbols that connect groups of people online.

AMES402S - Hashtags Memes, Digital Tribes

Subject: AMES
Catalog Number: 402S
Title: Hashtags Memes, Digital Tribes

Description: Tracks digital life and creative expression of groups online in a close study of images, captions and hyperlinked tags. Examines rituals, symbols and cultural patterns that structure everyday life of digital tribes online and investigates impact of digital and social media (Twitter, Instagram Facebook, Periscope) on the constitution of communities online and offline. Studying varied array of digital tribes: tribes of the deaf, of oil rig workers, of Hindu worshippers, of prison wives and laptop entrepreneurs, students learn about underlying myths, rituals, and cultural symbols that connect groups of people online.

AMES405S - Media and Conflict

Subject: AMES
Catalog Number: 405S
Title: Media and Conflict

Description: Focus on the role of media in the context of colonialism, war and conflict across various historical periods. Attentive to the ways that media technologies have been employed both as tools of power and vehicles of protest and resistance. Theoretical readings are paired with a set of international case studies -- e.g. colonial atrocity archives, #BlackLivesMatter, Syrian civil war, the Abu Ghraib torture scandal, the Israeli military occupation, drone strikes -- that enable us to test the applicability of theoretical discussions to contemporary case studies. Readings in Butler, Kaplan, Sontag, Stein and Kuntsman, Virilio and others.

AMES408S - The Geopolitics of Islamophobia from Bosnia to Xinjiang

Subject: AMES
Catalog Number: 408S
Title: The Geopolitics of Islamophobia from Bosnia to Xinjiang

Description: Comparative study of geopolitical attitudes toward Muslim minorities in and majority Muslim nations of the greater Middle East beginning with the Ottomans and including Bosnia, Chechnya, Iran, Afghanistan and/or Xinjiang. These polities have histories of colonialism, contested Islamic and secular state traditions, and experiences of anti-Muslim racism, religious and ethnic conflict and political violence. Theoretical analysis of historiography, Islamophobia, gender, identity, and policy. Discussion of US, European, and regional geopolitical interests through cultural texts including literature and film. This course does not fulfill the History capstone requirement.
AMES410S - Trauma and Space in Asia

Subject: AMES  
Catalog Number: 410S  
Title: Trauma and Space in Asia  

Description: Space and Trauma across Asia. Introduces theoretical framework of 'trauma discourse;' examines how the experience of space in Asia broadly defined has shaped historical traumas, which have marked the transition from colonialism to postcolonialism. Focus on Israel/Palestine, India/Pakistan, China/Taiwan, Japan/Korea; examine how critical terms originating in one historico-geographical context are translated across geographical boundaries.

AMES425S - Cultures of New Media

Subject: AMES  
Catalog Number: 425S  
Title: Cultures of New Media  

Description: Anthropological look at 'new media' - their varied forms and histories, how they are used and understood, and their meanings and effects within different communities of users. Charts a number of technologies deemed 'new' in their day and the social meanings and communities that such technologies generated. Explores new media in domains of art and literature, as well as issues of race, gender, sexuality and how other indices of difference come to bear on new media and its use. Grounded in anthropology, readings will also draw on media studies, visual studies, cultural studies and critical theory, queer and gender theory, history and geography.

AMES426S - France-Asia: Cultural Transfers and Translations in a Globalized Context

Subject: AMES  
Catalog Number: 426S  
Title: France-Asia: Cultural Transfers and Translations in a Globalized Context  

Description: This class explores the dynamic contemporary Franco-Asian dialogue with a specific focus on China, Japan, Vietnam, Laos and Cambodia. Seeking to go beyond the East-West divide, the seminar investigates the current stakes of this dialogue, given its growing complexity after 1945. It examines the postcolonial legacy of France's occupation of Indochina, and how East Asia has also often been viewed as an 'Other,' serving to crystallize French anxieties over political and cultural power. It uses an interdisciplinary perspective encompassing novels, cinema, dance, visual arts, and critical theory to trace a web of exchanges in a globalized context. Taught in French.

AMES432S - Storyworlds: The Art, Technology, and Pleasure of Narrative

Subject: AMES  
Catalog Number: 432S  
Title: Storyworlds: The Art, Technology, and Pleasure of Narrative  

Description: Is 'tell me a story' an universal imperative? Seminar examines storytelling practices across a broad span of histories and cultures, and the creation of storyworlds through multiple media, genres, and platforms. Topics include comparative oral traditions, Medieval story cycles, serial tales, textual poaching and fanfic, alternate reality gameworlds (ARG), social media, transmedia storytelling and transcultural fandoms.
**AMES435S - Chinese Media and Popular Culture: Politics, Ideology, and Social Change**

**Subject**
AMES

**Catalog Number**
435S

**Title**
Chinese Media and Popular Culture: Politics, Ideology, and Social Change

**Description**
Examines contemporary Chinese media traditional news press, radio and TV, new media such as the internet and social media, and popular culture, including cinema, popular music and fashions. Uses cross-cultural, interdisciplinary, and comparative approach. Focuses on how China views itself and constructs its global images, and how the world views China through media and popular culture. Primary objective is to understand political, ideological, and social changes since the Reform Era that began in 1978. No foreign language prerequisites are required.

**AMES437S - Capstone Seminar - Globalization: Asia and Asian America**

**Subject**
AMES

**Catalog Number**
437S

**Title**
Capstone Seminar - Globalization: Asia and Asian America

**Description**
'Globalization': a shorthand for describing the period of extraordinary change that we are living through, our lives, and our worlds as defined by global connections, from the internet technologies and rapid mass communication to issues of mobilization for social justice. This course focuses on two main themes: global moments of common struggle against racism in Asian, Asian American, and African American contexts, and global manufacture and the ways in which the microprocessor chip technology has come to bind Asia, Africa, and America, with a special focus on women and Asian Americans in the IT sector.

**AMES438S - Techno-Orientalism: Asian/America, (Post)Human and Science Fiction**

**Subject**
AMES

**Catalog Number**
438S

**Title**
Techno-Orientalism: Asian/America, (Post)Human and Science Fiction

**Description**
Course examines global Science Fiction genres in literature, film, and social media as case studies to understand broad historical and social formations of Otherness, the Alien, Citizenship, (Im)migration. Studies racial assumptions in popular culture, domestic and international law, discourse of the human and human rights, science and technology industries, and other disciplines. Explores interdisciplinary intersections of race, gender, sexuality, class, and geopolitical divisions and interactions in Asian/American Studies and Postcolonial Studies from the past to the present.

**AMES439 - Queer China**

**Subject**
AMES

**Catalog Number**
439

**Title**
Queer China

**Description**
Examines queer discourses, cultures, and social formations in China, Greater China, and the global Chinese diaspora from the late imperial period to the present. Course will focus on cultural representations, particularly literary and cinematic, but will also consider a wide array of historical, anthropological, sociological, and theoretical materials.
AMES449S - The History of Modern Syria, 1921-2021

Subject: AMES
Catalog Number: 449S
Title: The History of Modern Syria, 1921-2021

Description: This seminar focuses on the history of State of Syria in the last hundred years. We survey the economic, legal, political, environmental, and cultural history of this region from the late Ottoman Empire to 2021.

AMES452S - From the Art of the Pleasure Quarters to Tokyo Pop

Subject: AMES
Catalog Number: 452S
Title: From the Art of the Pleasure Quarters to Tokyo Pop

Description: Starting in the bordellos of 17th-century Edo (now modern-day Tokyo) and spanning up through the kitsch of contemporary Japanese pop culture, this course examines the vibrant and often bawdy forms of Japanese print and visual culture. Introduction to Japanese printmaking practices and a forum for discussing critical issues related to sexuality, censorship, spectacle, satire, tourism, the supernatural, and the Asian experience of modernity. Investigates the spectacular worlds of the kabuki theater, sumo wrestling, and the ‘pleasure quarters’ (the red-light district designated for licensed prostitution).

AMES456S - Chinese Culture and Ideology in the 20th Century and Now

Subject: AMES
Catalog Number: 456S
Title: Chinese Culture and Ideology in the 20th Century and Now

Description: Exposes students to cultural and literary expressions and representations of modern China from the beginning of the 20th century to the present; focus on issues of politics and ideology and the formation of Chinese exceptionalism; the beginning of the 20th century (1900-1949) and the Mao era (1949-1976); contemporary China since the era of reform and opening up (1978-present); comparative, interdisciplinary approaches of intellectual and cultural history, literary and cultural studies, and political science.

AMES476S - Archiving and Visualizing Asia: Politics and Poetics of Knowledge Production

Subject: AMES
Catalog Number: 476S
Title: Archiving and Visualizing Asia: Politics and Poetics of Knowledge Production

Description: Engages students in the practices and theories of archiving, documenting and curating marginal histories. Hands-on research in the archives of Duke’s Rubenstein Special Collections and elsewhere. Examines histories of movements and encounters between the ‘West’ and ‘Asia.’ Teaches original archival research and documentary methods through guided excavations in digital, audiovisual, and material resources. Directed readings and special guest lectures guide students on how to think critically on the theories and praxis of knowledge production, collection, documentation, circulation, and consumption. Students curate projects for final research assignment.
**AMES477S - The Global Arab World**

**Subject**
AMES

**Catalog Number**
477S

**Title**
The Global Arab World

**Description**
This seminar will focus on contemporary works, anthropological and historical, that unearth veins of research on the Arab world whose horizons transcend the earlier theoretical metonyms, as well as the frontiers of nation-states and the boundaries of religious traditions. We will read works which explore lives, ideas, practices, and institutions in the Arab world through situating them within global processes. In thinking about the Arab world in a transnational perspective we seek to look into how this area of the world both shaped other societies, and was shaped by, this global circulation of humans, commodities, technologies, ideologies, news and thought.

**AMES478S - Korean Sociolinguistics**

**Subject**
AMES

**Catalog Number**
478S

**Title**
Korean Sociolinguistics

**Description**
Examination of Korean language in social and cultural contexts from sociolinguistic and linguistic anthropological points of view. Focus on construction of cultural identities, social order and interpersonal relationships through everyday language use. Honorifics and language ideology, language and gender, regional and social variations, language contact and language policy in contemporary Korea. Sociolinguistics literature introducing conceptual frameworks and empirical research on specifics of language in use and synchronic and diachronic variations. Readings and class conducted in English. Prerequisite: Familiarity with Korean or basics of Linguistics.

**AMES490S - Special Topics**

**Subject**
AMES

**Catalog Number**
490S

**Title**
Special Topics

**Description**
Topics in Asian and Middle Eastern Studies vary each semester.

**AMES493 - Research Independent Study**

**Subject**
AMES

**Catalog Number**
493

**Title**
Research Independent Study

**Description**
Individual Research in a field of special interest under the supervision of a faculty member, the central goal of which is a substantive paper or written report containing significant analysis and interpretation of a previously approved topic. Consent of instructor and director of undergraduate studies required.

**AMES494A - Research Independent Study on Contemporary China**

**Subject**
AMES

**Catalog Number**
494A

**Title**
Research Independent Study on Contemporary China

**Description**
Research and field studies culminating in a paper approved and supervised by the resident director. Includes field trips on cultural and societal changes in contemporary China. Offered at the Duke in China Program.

**AMES495 - Collaborative Research Projects**

**Subject**
AMES

**Catalog Number**
495

**Title**
Collaborative Research Projects

**Description**
Small collaborative research projects of faculty with graduate and undergraduate students. Close mentoring of students. Training in methods of cultural analysis and interpretation. Projects developed in conjunction with ongoing faculty initiatives. Students will present their research in the form of a term paper or some equivalent medium. Funding available to support students’ research. Consent of Director of Undergraduate Studies required.
AMES498S - Senior Honors Thesis Seminar

Subject: AMES
Catalog Number: 498S
Title: Senior Honors Thesis Seminar

Description:
Required for AMES seniors completing an honors thesis. Includes close work with thesis advisers. The fundamentals of writing a research project. Students will share and critically evaluate portions of each other's projects. Consent of department required.

AMES499S - Senior Honors Thesis Seminar

Subject: AMES
Catalog Number: 499S
Title: Senior Honors Thesis Seminar

Description:
Required for AMES seniors completing an honors thesis. Course will guide students through the writing of the thesis, the preliminary research for which will have been completed in the Fall. Students will share and critically evaluate portions of each other's projects. Consent of instructor required.

AMES80S - Studies in Special Topics

Subject: AMES
Catalog Number: 80S
Title: Studies in Special Topics

Description:
Opportunities for first-year students to engage with a specific issue in Asian & Middle Eastern Studies, with emphasis on student writing. Topics vary each semester offered.

AMES89S - First-Year Seminar

Subject: AMES
Catalog Number: 89S
Title: First-Year Seminar

Description:
Topics vary each semester offered.

ARABIC101 - Elementary Arabic

Subject: ARABIC
Catalog Number: 101
Title: Elementary Arabic

Description:
Understanding, speaking, reading, and writing modern standard Arabic. Language laboratory.

ARABIC102 - Elementary Arabic

Subject: ARABIC
Catalog Number: 102
Title: Elementary Arabic

Description:
Continuation of Arabic 101. Prerequisite: Arabic 101 or equivalent.

ARABIC203 - Intermediate Arabic

Subject: ARABIC
Catalog Number: 203
Title: Intermediate Arabic

Description:
Reading, composition, and conversation in modern standard Arabic. Readings include selections from the Qur’an, contemporary literature, and the Arabic press. Prerequisite: Arabic 102 or equivalent.

ARABIC204 - Intermediate Arabic

Subject: ARABIC
Catalog Number: 204
Title: Intermediate Arabic

Description:
Continuation of Arabic 203. Prerequisite: Arabic 203 or equivalent.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARABIC281</td>
<td>Media Arabic I: Arabic in Media and Documentary Film</td>
<td>ARABIC</td>
<td>281</td>
<td>Media Arabic I: Arabic in Media and Documentary Film</td>
<td>Development of students proficiency in speaking, writing, reading, and listening comprehension through exposure to a wide variety of Arabic texts taken from newspapers, magazines and websites from around the Arab world, with focus on specialized vocabulary of media Arabic and documentary films. Explore media materials and programs from al-Jazeera news and documentary films. Students will also learn to hold informed discussions and write analyses and reports of current events and debates that are related to these materials.</td>
</tr>
<tr>
<td>ARABIC283</td>
<td>Media Arabic II</td>
<td>ARABIC</td>
<td>283</td>
<td>Media Arabic II</td>
<td>Focus on further expansion of speaking, writing, reading, and listening skills through selected materials of media Arabic taken from written news sources, TV and Internet programs. Focus on changes in Arab popular culture, language of the Arab revolution and language of the new social media. Develop students' abilities to conduct research using a variety of media sources. Prerequisite: Arabic 204 or 281.</td>
</tr>
<tr>
<td>ARABIC290A</td>
<td>Duke Administered Study Abroad: Special Topics in Arabic</td>
<td>ARABIC</td>
<td>290A</td>
<td>Duke Administered Study Abroad: Special Topics in Arabic</td>
<td>Topics vary each semester.</td>
</tr>
<tr>
<td>ARABIC295</td>
<td>Arabic Dialect in Music</td>
<td>ARABIC</td>
<td>295</td>
<td>Arabic Dialect in Music</td>
<td>Exposure to wide variety of Arabic modes of expression through Arabic music. Learn usage of both standard and colloquial Arabic in producing Arabic music. Deal with linguistic differences in materials selected from popular media as well as classical sources. Develop skills in speaking, reading, and listening comprehension beyond intermediate high level. Exposure to Arabic musical traditions language. Introduces some Arabic scales (Maqamat), genres, rhythms and musical instruments, namely Oud, Qanoun and Nay and their usage in language production. Prerequisite: Arabic 203.</td>
</tr>
<tr>
<td>ARABIC296A</td>
<td>Moroccan &amp; Egyptian Dialects and Cultures</td>
<td>ARABIC</td>
<td>296A</td>
<td>Moroccan &amp; Egyptian Dialects and Cultures</td>
<td>The course facilitates full immersion in Arabic of Morocco and Egypt within a cultural context; students will develop basic communicative skills through emphasis on all four language skills beyond the elementary level; through daily instructions, home-stay, field visits, exposure to short stories, songs, and interviewing citizens, students will acquire a communicative skill and a strong understanding of society and culture; students will explore cultural institutions and entertainment outlets. Offered in the Duke in the Arab World Study Abroad Program.</td>
</tr>
<tr>
<td>ARABIC305</td>
<td>Advanced Arabic</td>
<td>ARABIC</td>
<td>305</td>
<td>Advanced Arabic</td>
<td>Readings in classical and contemporary fiction and nonfiction. Works include al-Jahiz, Ibn Arabi, Taha Husain, Ibn Battuta, Ghada al-Samman and 1001 Nights. Prerequisite: Arabic 204 or equivalent.</td>
</tr>
</tbody>
</table>
ARABIC306 - Advanced Arabic

Description
Students will transition from reading short texts to completing a full novel, Sayyidi wa Habibi by Hoda Barakat. Focus on analyzing and discussing literary content. Students will strengthen their reading, writing, speaking, and comprehension skills. Includes a service-learning component with native speakers. Recommended prerequisite: Arabic 305 or equivalent.

ARABIC391 - Independent Study

Description
Individual study of language for conducting research involving sources written or spoken in the language. Students have to submit a proposal describing the purported research, types of sources to be analyzed, and kinds of language knowledge or skills they need to be equipped with. Consent of instructor and director of undergraduate studies required.

ARABIC407 - Issues in Arabic Language and Literature I

Description
Readings and other material, including films, television, and radio broadcasts. Exercises in composition. Prerequisite: Arabic 306 or consent of instructor.

ARABIC408 - Issues in Arabic Language and Literature II

Description
Continuation of Arabic 407. Prerequisite: Arabic 306 or consent of instructor.

ARABIC99 - Survival Arabic: Arabic Language and Culture of Lebanon, Jordan, and Palestine

Description
Learning the basic elements of the Arabic language and culture of in Jordan, Lebanon, and Palestine (Shami/Levantine Arabic); developing listening, speaking, reading, writing and cultural proficiencies of the spoken language of this region, memorizing basic survival and communication language skills, learning how to write and read the Arabic alphabet in Modern standard Arabic; introducing aspects of daily life, society and culture of these three countries. Open to students who have no prior exposure to Arabic language instruction before coming to Duke, and to students who are interested in doing civic engagement or study abroad in the Arabic speaking world.

ARTHIST101D - Introduction to the History of Art

Description
The history of western architecture, sculpture, and painting in a cultural context from prehistory to the Renaissance (c. 1400).
### ARTHIST102D - Introduction to World Art History from 1200 to the Present

**Subject** | ARTHIST  
**Catalog Number** | 102D  
**Title** | Introduction to World Art History from 1200 to the Present

**Description**
An expansive investigation of the history of art, from the Renaissance to the present, including non-Western visual traditions, art historical methods and theories placed in dynamic interdisciplinary dialogues across the humanities, social sciences, and sciences, and involving wide perspectives, intersecting ideas, and the capacity to observe works of art in museums, galleries, and installations throughout the world.

### ARTHIST103D - Introduction to the History of Architecture

**Subject** | ARTHIST  
**Catalog Number** | 103D  
**Title** | Introduction to the History of Architecture

**Description**
The survey provides a panorama of architectural production from Antiquity to the present with a global perspective. The objective is to insure knowledge of architectural production, related historiography, contemporary debate, and scholarship. The reading materials are organized chronologically to facilitate the students' approach to the field of architectural history. A thematic approach will inform the lectures, where notions of practice, techniques, spread of knowledge and models among others, are considered in relation to specific case studies.

### ARTHIST104 - Exploring Art and Architecture - Foundations and Histories

**Subject** | ARTHIST  
**Catalog Number** | 104  
**Title** | Exploring Art and Architecture - Foundations and Histories

**Description**
Provides knowledge for developing skills in visual analysis and historical interpretation of art from antiquity to present; examines major theoretical frameworks, key movements and concepts; explores how we look at and talk about works of art, investigating a variety of approaches to their study, including artists and their material practices; biography, patrons and the public; built environment and cultural institutions; how the social and political roles of art change through time. Taught in Nasher Museum. Classroom discussions complemented by visits to Nasher galleries and direct practice of visual analysis, critical theory, and role of changing histories in comprehension of art.

### ARTHIST107 - Roman Art and Archaeology

**Subject** | ARTHIST  
**Catalog Number** | 107  
**Title** | Roman Art and Archaeology

**Description**
Roman artistic legacy shaped Western art in profound ways. Artistic innovations: realistic portraiture, trompe l'oeil wall painting; architectural innovations: amphitheater, circus, multi-seat latrine, steam-heated bath. Explore Roman art and architecture throughout Mediterranean from late Republic to early fourth century AD. Emphasis on social and cultural contexts. Study major technical and aesthetic innovations, and impact of Roman emperors as art patrons. Class lectures and readings arranged both chronologically and thematically, with case studies of archaeology of Pompeii, Athens, Aphrodisias in Turkey.
ARTHIST139 - Seven Wonders: Monuments and Cultures of the Ancient Mediterranean

Description
Study of the ‘Seven Wonders’ of the ancient world: the Great Pyramids, the Hanging Gardens of Babylon, the Temple of Artemis at Ephesus, the Mausoleum at Halicarnassus, the Statue of Zeus at Olympia, the Colossus of Rhodes, and the Lighthouse of Alexandria. Course explores the meaning of these monuments to the societies that produced them, with attention to their chronological and geographical specificity. Topics include: how archaeologists approach ancient monuments; what these monuments tell us about the human experience and about life in the past; who precisely they bear witness to; and how the study of such monuments helps us to understand our own present.

ARTHIST190A - Duke-Administered Study Abroad: Special Topics in Art History

Description
Topics differ by section.

ARTHIST190FS - Topics in Art History

Description
Subjects, areas, or themes that embrace a range of disciplines, art-historical areas, and visual culture. Open only to students in the Focus Program.

ARTHIST190S - Special Topics in Art History

Description
Subjects, areas, or themes that embrace a range of disciplines or art-historical areas.

ARTHIST196 - Etruscans: Myth, Archaeology and Civilization

Description
The Etruscans were a pre-Indo-European population living in the Italic peninsula in the first millennium BCE. One of the most important and fascinating civilizations of the ancient world, which deeply influenced the Classical world and the Mediterranean basin. The class involves archaeological studies and comparative analyses of pre-urban and urban settlements, the necropoleis, art, art history, iconography and archaeological remains of the Etruscan and pre-Roman Italic world. Use of digital technologies for the study of Etruscan cities and landscape with a specific focus on the Etruscan city of Vulci. Not open to students who have taken Classical Studies 198.

ARTHIST20 - Basic Art History

Description
Credit for Advanced Placement on the basis of the College Board examination in art history. Does not count toward the major in art history or design.
<table>
<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARTHIST</td>
<td>202</td>
<td>Imagining Europe: Arts, Culture, Politics</td>
<td>Investigation of defining debates on European culture and the fiction which shapes them. In collaboration with Nasher Museum. Focus on literature and the visual arts of France, Italy, Portugal, Spain. Comparative analysis of key issues, including arts of migration, multilingualism, cultural and political relations within and without Europe, development of financial systems. Major authors: Marco Polo, Khatibi, Montaigne, Montesquieu, Balzac, Calvino, Némirovsky, Semprún, Saramago. Research in museum collections on major pieces.</td>
</tr>
<tr>
<td>ARTHIST</td>
<td>203A</td>
<td>The Arts, Culture, and Performance of New York</td>
<td>This course introduces its participants to New York through its rich artistic, cultural, and performance offerings—drawn from art, dance, film, music, literature, and theater. Visiting all five boroughs, they contemplate how the identities of New Yorkers—formed by the city and by ability, class, ethnicity, gender, race, and sexuality—are performed in the theater of everyday life: in parks, streets, subways, and especially the city’s diverse neighborhoods and restaurants.</td>
</tr>
<tr>
<td>ARTHIST</td>
<td>204A</td>
<td>Internship in New York</td>
<td>Participants in this course are immersed in the professional work of New York’s arts, culture, and performance industries through apprenticeship to a sponsoring artist, institution, or organization. Participants work fifteen hours per week at their internship and meet arts professionals from within and beyond Duke’s alumni network. They also meet regularly with their supervising professor. In combination, this work experience, networking opportunity, and academic reflection help interns develop their professional capabilities, refine their interpersonal and workplace skills, and prepare for future work in creative industries.</td>
</tr>
<tr>
<td>ARTHIST</td>
<td>205</td>
<td>The Aegean Bronze Age</td>
<td>Survey of Greek prehistory, from the final Neolithic to the end of the era in ca. 1200 BCE. Issues to be considered include the historicity of the Trojan War, the relationship of this period to later Greek history and cultural identity.</td>
</tr>
<tr>
<td>ARTHIST</td>
<td>206</td>
<td>Early Greek Archaeology: From the Fall of Mycenae to the Persian Wars</td>
<td>Greek material culture in its social, economic, and historical contexts, 1200 to 480 BCE.</td>
</tr>
<tr>
<td>ARTHIST</td>
<td>207</td>
<td>Classical Greek Archaeology, Archaic to Classical</td>
<td>The archaeology of the Greek citystate including its historical context. Emphasis on both themes (sanctuaries, death and burial, warfare) and the ability to understand material culture in context.</td>
</tr>
</tbody>
</table>
### ARTHIST208 - Art and Archaeology of Ancient Athens

**Subject**: ARTHIST  
**Catalog Number**: 208  
**Title**: Art and Archaeology of Ancient Athens  

**Description**
Monuments, archaeology, art, and topography of ancient Athens from the Archaic to the Roman period. Examination of the physical remains of the city and countryside to trace the development of one of the most important city-states in the Greek world and to understand its impact on western civilization. Case study in understanding the role of archaeology in reconstructing the life and culture of the Athenians.

### ARTHIST209A - Rome: History of the City

**Subject**: ARTHIST  
**Catalog Number**: 209A  
**Title**: Rome: History of the City  

**Description**
On-site study of the development of Rome's urban plan and its major monuments through the ages; the influence of the ancient Republic and Empire, the Papacy, and the modern secular state; change and continuity in artistic forms and daily life. (Summer program in Italy.)

### ARTHIST210 - The Art of Greece and Rome

**Subject**: ARTHIST  
**Catalog Number**: 210  
**Title**: The Art of Greece and Rome  

**Description**
Explores profound influence of Greek and Roman artistic legacy on Western art. Innovations include portrait, Baroque style, large-scale painting, public baths, theater. Explore art and architecture of Greece and Rome in social and cultural context, including major technical and aesthetic innovations. Role of artistic agency and patronage. Starts with the Classical age and ends with Christian emperor Constantine.

### ARTHIST212SA - Contemporary Art in Berlin

**Subject**: ARTHIST  
**Catalog Number**: 212SA  
**Title**: Contemporary Art in Berlin  

**Description**
Overview of the main locations, events and protagonists of the contemporary Berlin art scene. Examination of art in its omnipresence in the urban environment; includes explorations of street art, art in public spaces, museums, private collections, galleries, studios and art academies. Taught only in the Duke-in-Berlin study abroad program.

### ARTHIST215S - Representations of Women in the Classical World

**Subject**: ARTHIST  
**Catalog Number**: 215S  
**Title**: Representations of Women in the Classical World  

**Description**
The lives of women in the Classical world viewed through the visual culture of Classical art. Through images of women in statues, reliefs, coins, and painting, the course explores the role of visual representation in communicating complex social and political messages. Issues such as the construction of gender, the expression of power and status, the preservation of social hierarchies, the protection of normative values, and the manipulation and control of sexuality are considered.

### ARTHIST216S - Art of the Ancient Americas

**Subject**: ARTHIST  
**Catalog Number**: 216S  
**Title**: Art of the Ancient Americas  

**Description**
Introduction to the arts of Pre-Columbian Mesoamerica and South America. Examination of textiles, mural painting, ceramic vessels, illustrated manuscripts, sculpture, royal and domestic architecture, and precious stone, shell, and feathers. How these objects are collected and displayed by museums, as well as their legal and ethical considerations. Taught at the Nasher Museum.
ARThist219S - The Tokyo Idea: Visualizing a Global City
Subject: ARTHIST
Catalog Number: 219S
Title: The Tokyo Idea: Visualizing a Global City
Description: Tokyo is the political, cultural, and economic center of Japan. This class will focus on the different portrayals of Tokyo over time and how the city has been imagined in art, architecture, literature, film, popular culture, and fashion from the end of the Edo period to the present day.

ARThist220 - Museum Theory and Practice
Subject: ARTHIST
Catalog Number: 220
Title: Museum Theory and Practice
Description: Introduction to museum theory and the operation, with a particular focus on art museums. How theory and practice is negotiated in real world settings. Issues involve collecting practices, exhibition practices, and interpretive techniques, as well as legal and ethical issues. Taught at the Nasher Museum.

ARThist221S - The Museum Object: Art and Artifact on Display
Subject: ARTHIST
Catalog Number: 221S
Title: The Museum Object: Art and Artifact on Display
Description: Technical study focusing on the material properties of artifacts and the technologies of art-making. Collection, exhibition, care, storage, handling, preservation, and conservation of objects in context with anthropological theory and legal and ethical considerations.

ARThist222S - History and Theory of Curatorial Practice
Subject: ARTHIST
Catalog Number: 222S
Title: History and Theory of Curatorial Practice
Description: An inquiry into the rise of the curatorial discipline by tracing its history and theoretical underpinnings. Primary emphasis on contemporary art and examination of various approaches to curatorial practice including curating in a global context, the rise of the biennial, performance art and non-traditional venues, as well as curatorial critique. Readings will be drawn from a range of popular and academic sources.

ARThist223D - From Agra to Istanbul: Islamic Art and Architecture in the Early Modern Era
Subject: ARTHIST
Catalog Number: 223D
Title: From Agra to Istanbul: Islamic Art and Architecture in the Early Modern Era
Description: From glittering gold domes to vibrantly colored illuminated manuscripts, this course examines Islamic art and architecture from the Indian subcontinent to the eastern Mediterranean from the fifteenth to mid-nineteenth centuries. This period corresponds to the rise of major Islamic empires, most notably the Mughals, Safavids, and Ottomans, whose capital cities became booming centers of art and architecture. This class will explore the artistic production of these empires and consider the rich cross-cultural connections between them, as well as their relationships with the artistic traditions of both Europe and East Asia.

ARThist224S - Islam, Art, and Society
Subject: ARTHIST
Catalog Number: 224S
Title: Islam, Art, and Society
Description: Explores the historic interweaving of theology, spirituality, art, architecture, mathematics, & astronomy in the beautification of everyday objects & lived spaces. It examines how underlying principles of beauty and geometry shaped places such as hospitals, palaces, gardens, colleges, mosques, inns, and Sufi lodges as well as their historical functions in Muslim societies. Students also study and reconstruct historic examples of artistic patterns. A rotating variety of case studies across Afro-Eurasia may include sites and cultural artifacts from Bukhara, Cairo, Cordoba, Damascus, Delhi, Fes, Granada, Guangzhou, Hyderabad, Istanbul, Isfahan, Jerusalem, Malacca, Samarqand, Timbuktu & more.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARTHIST225</td>
<td>Gothic Cathedrals</td>
</tr>
<tr>
<td>ARTHIST227</td>
<td>Medieval Castles of Europe</td>
</tr>
<tr>
<td>ARTHIST228S</td>
<td>Arts Policy, Leadership, and Engagement</td>
</tr>
<tr>
<td>ARTHIST230S</td>
<td>Jerusalem</td>
</tr>
</tbody>
</table>

**ARTHIST225 - Gothic Cathedrals**

**Subject**: ARTHIST  
**Catalog Number**: 225  
**Title**: Gothic Cathedrals

**Description**
Great cathedrals of Europe in England, Germany, and Italy, with a special focus on France, from roughly 1140 to 1270, and their construction, financing, and role in the fabric of medieval city life. The urban context of each city, the history of the site and its relics, and the artistic and technological developments that made the construction of these complex and large-scale structures possible. A consideration of Romanesque precedents and the origins of the various structural elements of Gothic architecture.

**ARTHIST227 - Medieval Castles of Europe**

**Subject**: ARTHIST  
**Catalog Number**: 227  
**Title**: Medieval Castles of Europe

**Description**
This course will examine the transition of Western Europe into a fortified landscape from the mid-11th century until the advent of large-scale artillery in the mid-15th century. In addition to tracking technological and stylistic changes over time, this course will identify the discrete elements of fortification that were combined into a variety of castle plans. Natural resources and physical topography will emerge as central factors in the choice of site and design for medieval castles. As a way of investigating these topics, students will digitally reconstruct a historical or imagined castle in 3D graphics at a specific place and time covered in the course.

**ARTHIST228S - Arts Policy, Leadership, and Engagement**

**Subject**: ARTHIST  
**Catalog Number**: 228S  
**Title**: Arts Policy, Leadership, and Engagement

**Description**
This community-engaged course provides an introduction to contemporary issues in US arts policy and cultural sector leadership across four broad themes: creative institutions; cultural equity and accessibility; creative placemaking/community development; and the creative economy. In addition to policy questions in these areas, we examine leadership practices in arts organizations and cultural institutions, with particular attention to the kinds of leadership the arts require in a post-2020 world. Students will work in teams on a semester-long collaborative project with an arts policy organization and experience the arts in practice through attendance at performances and exhibitions.

**ARTHIST230S - Jerusalem**

**Subject**: ARTHIST  
**Catalog Number**: 230S  
**Title**: Jerusalem

**Description**
Seminar assesses the contribution of Jerusalem’s buildings to its contentiousness from Biblical to modern times. Particular sites considered in the context of the urban history of the city from the time of Jesus through Arab, Crusader, Turkish and British rule to contemporary Israeli control. How these places act upon the religious imagination and how they affect the ideological positions of their users (and their abusers) discussed on the basis of photographs, archaeological reports, news reports, novels, sacred texts and diaries.
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<th>Subject</th>
<th>Catalog Number</th>
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<tbody>
<tr>
<td>ARTHIST</td>
<td>231</td>
<td>History of Art Markets</td>
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</tbody>
</table>

**Description**

Analytical survey of emergence of art markets, interactions between market behavior(s), visual/media culture(s). Addresses questions regarding the nature of art markets, the specificity of art markets and the application of economic and historical methodologies, how and where players in local markets throughout the world shape visual culture(s), effective causes for art consumption, taste, fashion throughout ages, and methodological implications of art market research at interface of Economics, Art History, Law and Visual Studies.

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<th>Subject</th>
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<tr>
<td>ARTHIST</td>
<td>231D</td>
<td>History of Art Markets</td>
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</table>

**Description**

Analytical survey and discussion of emergence of art markets, interactions between market behavior(s), visual/media culture(s). Addresses questions regarding the nature of art markets, the specificity of art markets and the application of economic and historical methodologies, how and where players in local markets throughout the world shape visual culture(s), effective causes for art consumption, taste, fashion throughout ages, and methodological implications of art market research at the interface of Economics, Art History, Law and Visual Studies.

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<th>Subject</th>
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<tr>
<td>ARTHIST</td>
<td>232</td>
<td>Japanese Art, 1600 to the Present</td>
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</table>

**Description**

Japanese visual culture from the end of the sixteenth century to the contemporary period encompassing the country's unification under Tokugawa rule and later emergence on the world stage through painting, sculpture, architecture, ceramics, decorative arts, photography, and print media. The relationship between artistic production and Japanese sociopolitical development seen through the critical issues of religion, region, gender, class, and nationalism. Ethical questions surrounding the establishment of the Japanese colonial empire in Asia, the Pacific War, the atomic bombings of Hiroshima and Nagasaki, the internment of Japanese-Americans in the United States, and the American Occupation of Japan.

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<th>Subject</th>
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<tbody>
<tr>
<td>ARTHIST</td>
<td>234</td>
<td>Japanese Architecture</td>
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</table>

**Description**

A survey of major architectural traditions of Japan. Sites ranging from prehistoric tombs and dwellings to contemporary design work of architects such as Isozaki Arata and Ando Tadao. Focus on the development of various architectural typologies: Buddhist temples, Shinto shrines, tea ceremony structures, garden design, imperial and shogunal palaces, fortified castles, modern institutional structures, and private residences. Japanese architectural practices compared with other Asian and Euro-American building traditions. Aesthetic, structural, historical, social, and religious issues considered.

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<th>Subject</th>
<th>Catalog Number</th>
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<tbody>
<tr>
<td>ARTHIST</td>
<td>238</td>
<td>Science Fiction Film</td>
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</table>

**Description**

Science fiction film from the 1950s to the present. From talking apes to mind control, forbidden planets to genetic dystopias, alien invasions to travel in time and space, an exploration of classic films in the genre with attention to how the films imagine the relationships among science, politics, and society over time. Attention to visual as well as literary story telling.

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<th>Subject</th>
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<tbody>
<tr>
<td>ARTHIST</td>
<td>238S</td>
<td>Science Fiction Film</td>
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</table>

**Description**

This class will study science fiction film from 1950 to the present. Discussions will be organized around the relationship between scientific and technological innovation and social and geopolitical transformation: how, for example, the threats of nuclear war and the exhaustion of environmental resources, discoveries in virology and genetics, and the innovations in cybernetics and artificial intelligence all intersect with decolonization and global development, race relations, and new social and geopolitical configurations. We will explore how science fiction film registers and responds to the uncertainties of a changing world: to changing conceptions of the human and of life.
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<th>Course Code</th>
<th>Course Title</th>
<th>Subject</th>
<th>Catalog Number</th>
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<tbody>
<tr>
<td>ARTHIST244D</td>
<td>From Caricature to Comic Strip</td>
<td>ARTHIST</td>
<td>244D</td>
<td>From Caricature to Comic Strip</td>
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<td><strong>Description</strong></td>
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<td>History of caricature as a medium for</td>
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<td>political critique and social</td>
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<td>comment from the eighteenth century to</td>
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<td>England, France, Germany, and the</td>
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<td>United States. Languages of graphic</td>
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<td>satire in the context of specific</td>
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<td>historical moments, from the War of</td>
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<td>Independence to the war in Iraq;</td>
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<td>history of popular journalism and the</td>
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<td>comic press; censorship and agitation</td>
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<td>History</td>
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<td>individual projects, this course</td>
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<td>considers the roles women have played</td>
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<td>in the Early Modern art world as</td>
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<td>makers, buyers, donors, critics, and</td>
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<td>art collectors. It also takes up issues</td>
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<td>of gender, of race, of masculinity as</td>
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<td>well as femininity. A central theme of</td>
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<td>so-called Woman Question, which was</td>
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<td>the nature and social role of women,</td>
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<td>shaped the representations and</td>
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<td>experiences of women of different</td>
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<td>classes and conditions. Our focus will</td>
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<td>be on visual representations, as well</td>
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<td>as period writing of and by women.</td>
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<td>ARTHIST246</td>
<td>Roman Archaeology: Origins to Empire</td>
<td>ARTHIST</td>
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<td>Roman Archaeology: Origins to Empire</td>
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<td>century BCE to the end of the reign of</td>
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<td>Augustus (14 CE). It analyzes the role</td>
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<td>of material culture in the creation of</td>
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<td>social structures through the study of</td>
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<td>urbanism, landscapes, ancient</td>
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<td>technology, rituals and identity in</td>
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<td>Italy and the early Roman provinces.</td>
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<td>ARTHIST251</td>
<td>Art and Christianity: A History of Christian</td>
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<td>Art and Christianity: A History of</td>
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<td>Visual Culture</td>
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<td>Christian Visual Culture</td>
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<td>This course is an introduction to the</td>
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<td>history of Christian visual culture</td>
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<td>from the early Middle Ages to the</td>
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<td>present. Beginning with controversies</td>
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<td>concerning the nature of images and</td>
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<td>their role in Christian worship, the</td>
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<td>course moves through successive eras</td>
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<td>of Christian history, focusing on</td>
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<td>Western Europe in the medieval and</td>
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<td>early modern eras, then following</td>
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<td>Christianity around the globe in the</td>
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<td>colonial period, ending with</td>
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<td>examination of modern European and</td>
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<td>American art that draws in different</td>
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<td>ideas and practices. Readings and</td>
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<td>discussion in class focus on objects</td>
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<td>such as reliquaries, paintings,</td>
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<td>architectural settings, illustrated</td>
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<td>books, and prints.</td>
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ARTHIST254 - Renaissance Architecture: A European Perspective

Subject: ARTHIST
Catalog Number: 254
Title: Renaissance Architecture: A European Perspective

Description
Surveys panorama of European architectural theory and production in fifteenth and sixteenth centuries within a broad geographical area including Italy, France, Spain, Germany, Poland, the Low Countries, and England. Course objectives are to insure knowledge of Renaissance architectural production, related historiography, and contemporary debate and scholarship as well as develop students' analytical and research skills. Reading materials organized chronologically to facilitate students' approach to the field of architectural history, while a thematic, case-study based approach will prevail in class.

ARTHIST255 - Art in Renaissance Italy

Subject: ARTHIST
Catalog Number: 255
Title: Art in Renaissance Italy

Description
The course provides a panorama of Italian Renaissance art including theory, painting, print, sculpture, and architecture. The objectives are to ensure knowledge of Renaissance artistic production and related historiography and to develop students' analytical and research skills. Materials are organized thematically around notions of artistic training and workshop practice, techniques, centers of production, art markets, antiquarianism and collections, patronage, gender, artistic rivalry, dissemination of knowledge, relationship with the spectator, social structures, sacred and secular spaces and objects, among others, which will be considered in relation to specific case studies.

ARTHIST255A - Renaissance and Baroque Art History

Subject: ARTHIST
Catalog Number: 255A
Title: Renaissance and Baroque Art History

Description
Introduction to the development of painting, sculpture, and architecture in Rome from the fifteenth to the early seventeenth centuries, focusing on the patronage of the Popes and the Papal court. Consent required. (Taught at the Intercollegiate Center for Classical Studies in Rome.)

ARTHIST256 - Italian Baroque Art

Subject: ARTHIST
Catalog Number: 256
Title: Italian Baroque Art

Description
This course will trace the development of the Italian baroque in architecture, sculpture and painting. It will consider a variety of themes relevant to Baroque artistic production, including religious influences on the art of the period, namely the Reformation and the Catholic Counter Reformation; economic influences; central versus peripheral locations; issues of gender and sexuality; patronage; architectural site and meaning; urban planning and transformation; the artist, his workshop and rivalries; decoding the myths of artistic genius; and seventeenth-century primary sources.

ARTHIST258 - Renaissance Architecture in Italy: Brunelleschi to Michelangelo

Subject: ARTHIST
Catalog Number: 258
Title: Renaissance Architecture in Italy: Brunelleschi to Michelangelo

Description
**ARTHIST259 - Michelangelo in Context**

**Subject**: ARTHIST  
**Catalog Number**: 259  
**Title**: Michelangelo in Context  

**Description**
Historical and cultural contextualization of the work of Michelangelo Buonarroti (1475-1564), painting, sculpture and architecture. History, historiography, contemporary debate and scholarship concerning his work of artistic training and workshop practice, techniques, centers of production, art markets and consumption, antiquarianism and art collections, patronage, identity, gender, artistic rivalry, spread of knowledge and models, relationship with the spectator, social life, sacred and secular spaces and objects. Field trip to the Metropolitan Museum of Art collection of Renaissance architectural drawings and prints in New York.

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**ARTHIST265 - Drawing Foundations in Early Modern Europe**

**Subject**: ARTHIST  
**Catalog Number**: 265  
**Title**: Drawing Foundations in Early Modern Europe  

**Description**
Through classroom lectures, museum visits, and studio practice, this course studies the place of drawing since its early modern theorization in the visual arts and in the artistic practice. Drawings can be records of visual observation, or of a speculative thought process; ways of working out ideas, and of presenting plans; they also achieve the status of independent art objects. Students will gain familiarity with drawing as an artistic medium related to major questions about art and society, while also learning fundamental and practical drawing skills that will give deeper insights into theory.

---

**ARTHIST280 - Avant-Garde Art 1900-1945**

**Subject**: ARTHIST  
**Catalog Number**: 280  
**Title**: Avant-Garde Art 1900-1945  

**Description**
Major artistic movements and theoretical aims of early modernism: fauvism, cubism, expressionism, futurism, constructivism, suprematism, dada, surrealism, de Stijl, Bauhaus, and Neue Sachlichkeit in France, Italy, Germany, America.

---

**ARTHIST281S - Modernism and the Arts**

**Subject**: ARTHIST  
**Catalog Number**: 281S  
**Title**: Modernism and the Arts  

**Description**
This course places international modernism in an intermedial perspective, presenting it as a broad conversation among international artists across various art forms. In addition to reading major literary works by writers such as Baudelaire, Mallarmé, Joyce, Eliot, Kafka, Woolf, Wat, Babel, Rilke, Anand, Césaire, Lu Hsun, students will enhance their understanding of modernism through exposure to other art forms, such as painting (Matisse, Picasso, Marc, Kandinsky, Chagall, Schoenberg), sculpture (Rodin, Brancusi, Giacometti), music (Schumann, Débussy, Stravinsky, Schoenberg, Berg, Gershwin), and film (Buñuel, Dalí, Eisenstein, Vertov, Carné, Godard, Ruttmann, Cavalcanti, Vigo).
### ARTHIST283 - African American Art

**Subject** | **Catalog Number** | **Title**  
--- | --- | ---  
ARTHIST | 283 | African American Art

**Description**  
Emphasis on works derived from an Afro-United States cultural perspective. Major figures include Henry Ossawa Tanner, Aaron Douglas, Jacob Lawrence, Charles White, Elizabeth Catlett, Romare Bearden, Lois Mailou Jones, and others.

### ARTHIST284 - The Political History of Modern Architecture: From Revolution through Neoliberalism

**Subject** | **Catalog Number** | **Title**  
--- | --- | ---  
ARTHIST | 284 | The Political History of Modern Architecture: From Revolution through Neoliberalism

**Description**  
Given the needs for labor, materials, and legal permissions, architects in the modern period by definition intersect with interests of power. This course explores the role of political institutions and ideologies in the history of modern architecture. While the course focuses on European and North American examples, we will also include key case studies of non-Euroamerican architecture and politics. The course provides a foundational knowledge of the history of modern architecture as well as how political institutions and ideologies have influenced that development.

### ARTHIST285D - Modern Architecture

**Subject** | **Catalog Number** | **Title**  
--- | --- | ---  
ARTHIST | 285D | Modern Architecture

**Description**  
The history of European and American architecture from eighteenth-century Neo-Classicism through Gothic Revival, Art Nouveau, and Arts and Crafts to the early twentieth century Bauhaus. Labrouste, Richardson, early Wright, and LeCorbusier among the architects considered.

### ARTHIST286 - Contemporary Architecture

**Subject** | **Catalog Number** | **Title**  
--- | --- | ---  
ARTHIST | 286 | Contemporary Architecture

**Description**  
Examination of the Bauhaus through Corporate International Style as a background to the Postmodern core of the course. Later Wright and LeCorbusier, Gehry, Graves, Eisenman, Disney Imaginers among the architects and designers considered. Political, ideological, aesthetic, and technical aspects of building investigated through primary texts.

### ARTHIST286D - Contemporary Architecture

**Subject** | **Catalog Number** | **Title**  
--- | --- | ---  
ARTHIST | 286D | Contemporary Architecture

**Description**  
Examination of the Bauhaus through Corporate International Style as a background to the Postmodern core of the course. Later Wright and LeCorbusier, Gehry, Graves, Eisenman, Disney Imaginers among the architects and designers considered. Political, ideological, aesthetic, and technical aspects of building investigated through primary texts.

### ARTHIST288 - Dada and Surrealism

**Subject** | **Catalog Number** | **Title**  
--- | --- | ---  
ARTHIST | 288 | Dada and Surrealism

**Description**  
The origins, aims, literature, and politics of the international movements of dada and surrealism, which flourished between the world wars, examined in the light of dada and surrealist theory, literature, and art.
ARTHIST290 - Special Topics in Art History

**Subject**
ARTHIST

**Catalog Number**
290

**Title**
Special Topics in Art History

**Description**
Topics vary by semester.

ARTHIST290-1 - Topics in Medieval Art and Architecture

**Subject**
ARTHIST

**Catalog Number**
290-1

**Title**
Topics in Medieval Art and Architecture

**Description**
Specific problems dealing with contextual and cultural issues in medieval art and architecture from c. 300 to 1400.

ARTHIST290A-1 - Topics in Italian Art and Architecture

**Subject**
ARTHIST

**Catalog Number**
290A-1

**Title**
Topics in Italian Art and Architecture

**Description**
Topics vary from year to year. Consent of instructor required. (Taught in Italy.)

ARTHIST290S - Special Topics in Art History

**Subject**
ARTHIST

**Catalog Number**
290S

**Title**
Special Topics in Art History

**Description**
Topics vary by semester.

ARTHIST291 - Independent Study

**Subject**
ARTHIST

**Catalog Number**
291

**Title**
Independent Study

**Description**
Directed reading in a field of special interest, under the supervision of a faculty member, resulting in a substantive paper or report. Open to qualified students in the junior year, by consent of instructor and director of undergraduate studies.

ARTHIST292 - Independent Study

**Subject**
ARTHIST

**Catalog Number**
292

**Title**
Independent Study

**Description**
See Art History 291. Open to qualified students in the junior year, by consent of instructor and director of undergraduate studies.

ARTHIST293 - Research Independent Study

**Subject**
ARTHIST

**Catalog Number**
293

**Title**
Research Independent Study

**Description**
Individual research in a field of special interest under the supervision of a faculty member, the central goal of which is a substantive paper or written report containing significant analysis and interpretation of a previously approved topic. Open to qualified students in the junior year, by consent of instructor and director of undergraduate studies.

ARTHIST294 - Research Independent Study

**Subject**
ARTHIST

**Catalog Number**
294

**Title**
Research Independent Study

**Description**
See Art History 293. Open to qualified students in the junior year, by consent of instructor and director of undergraduate studies.
**ARTHIST295 - Chinese Art 1900 to Present**

**Description**
Study of selected works of Chinese art and visual culture (painting, sculpture, architecture, video, performance, and installation art; fashion design and cinema) from 1900 to the present. Emphasis on the visual analysis of objects as well as their social and historical context.

**ARTHIST296A - Berlin: Architecture, Art and the City, 1871-Present**

**Description**
Development of urban Berlin from the Gruenderzeit (the Boom Years) of the 1870s to the present: architecture of Imperial Berlin; the Weimar and Nazi periods; post World War II; reconstruction as a reunified city. The major architectural movements from late historicism to postmodernism. (Taught only in the Duke-in-Berlin Program.)

**ARTHIST297A - Art and Architecture of Berlin, Fifteenth to the Twentieth Century**

**Description**
Introduction to the visual arts of Germany from the fifteenth to the twentieth century through lectures conducted in Berlin's museums and cultural institutions. German Old Masters, German Romantic and Realist artists, Modernist art movements, such as Expressionism and New Objectivity, considered in relation to upheavals in modern German history. Taught in English in the Duke-in-Berlin summer program.

**ARTHIST298 - History of Impressionism**

**Description**
The evolution of the impressionist movement and postimpressionist reactions of the 1880s. Particular attention to the work of Manet, Degas, Monet, Renoir, and Pissarro.

**ARTHIST303 - History of Photography, 1839 to the Present**

**Description**
Major artists and movements in the history of the photographic medium, including visual and critical traditions inherited and manipulated by photographers, the ways photography participated in nineteenth- and twentieth-century art movements as well as documentation and social change, and critical photographic discourse throughout this period. Topics include the invention of photography, 'Art' photography and documentary photography in the nineteenth century, pictorialism, 'straight' and purist photography, photography and modernist art movements (dada, surrealism, Bauhaus, Russian avant-garde), twentieth-century documentary, and photography of the 1950s, 1960s, 1970s, 1980s, and 1990s.

**ARTHIST305L - Virtual Museums: Theories and Methods of Twenty-First-Century Museums**

**Description**
The future of museums will be one of immateriality and interaction. Course focuses on how the 'Internet of Things,' augmented reality technologies, new data analyses of artifacts will transform missions, roles, and goals of museums and collections. Core of course will be digital lab sessions focused on virtual reconstruction of lost heritage—e.g., museums and sites destroyed and damaged by ISIS and other conflicts in Iraq and the Middle East (Hatra, Nineveh, Nimrud, Baghdad).
### ARTHIST310 - Museum Practicum I

**Subject**: ARTHIST  
**Catalog Number**: 310  
**Title**: Museum Practicum I  

**Description**
Museum work in the context of art-historical, ethical, philosophical, and economic issues related to the presentation of art in museums. Under direction of museum staff students engage in practicum to gain first-hand knowledge of museum operations. Museum Practicum requires weekly meeting plus five hours per week working in assigned department, additional readings and assignments. Production of exhibition reviews, sample exhibition writing, blog posts, and final presentations.

### ARTHIST311 - Museum Practicum II

**Subject**: ARTHIST  
**Catalog Number**: 311  
**Title**: Museum Practicum II  

**Description**
Additional depth or breadth of experience in museum work in the context of art-historical, ethical, philosophical, and economic issues related to the presentation of art in museums. Under the direction of museum staff, students engage in practicum to gain first-hand knowledge of museum operations. Museum Practicum II requires eight hours per week working in assigned department, additional readings and assignments. Students produce documents related to a museum department. Prerequisite: Art History 310.

### ARTHIST312 - Internship in New York

**Subject**: ARTHIST  
**Catalog Number**: 312  
**Title**: Internship in New York  

**Description**
Immersion in the professional world through apprenticeship to a sponsoring artist or organization. Students spend fifteen hours per week at the internship and write a substantive paper containing significant analysis and interpretation of the relation of the students’ sponsoring institution to the art form of activity as a whole, the system of production and consumption surrounding that art form or activity, and the sponsor’s organizational framework, operating mechanics, and role in the creation, preservation, or interpretation of the art form or activity. Open only to students admitted to the Duke in New York Arts Program. Does not count toward the major. Consent of Instructor required.

### ARTHIST312A - Internship in New York

**Subject**: ARTHIST  
**Catalog Number**: 312A  
**Title**: Internship in New York  

**Description**
Immersion in the professional world through apprenticeship to a sponsoring artist or organization. Students spend fifteen hours per week at the internship and write a substantive paper containing significant analysis and interpretation of the relation of the students’ sponsoring institution to the art form of activity as a whole, the system of production and consumption surrounding that art form or activity, and the sponsor’s organizational framework, operating mechanics, and role in the creation, preservation, or interpretation of the art form or activity. Open only to students admitted to the Duke in New York Arts Program. Does not count toward the major. Consent of Instructor required.

### ARTHIST312A-1 - Internship in New York

**Subject**: ARTHIST  
**Catalog Number**: 312A-1  
**Title**: Internship in New York  

**Description**
Immersion in the professional world of the arts and media through working with a sponsoring artist, organization, or business. Open only to students admitted to the Duke in New York Arts and Media Program. Does not count toward the major. Consent of Instructor required.

### ARTHIST313A - The Business of Art and Media

**Subject**: ARTHIST  
**Catalog Number**: 313A  
**Title**: The Business of Art and Media  

**Description**
Duke in New York. The changes experienced by print and visual media (book publishing, magazines, newspapers, TV, films, theatre, advertising) in the twenty-first century in how art and business can, and often must, be done and in how they interact with society. Examinations through readings (including selected case histories) and guest speakers of how technology and technological change affect art and society today. Satisfies Area III requirement for English majors.
**ARTHIST315 - Mapping History with Geographic Information Systems**

**Subject**
ARTHIST

**Catalog Number**
315

**Title**
Mapping History with Geographic Information Systems

**Description**
Beginner/intermediate Geographic Information System (GIS) course designed to help students learn how to investigate history spatially. Emphasizes perspectives, procedures, and tools that are relevant to applications of GIS in Art History and Humanistic disciplines. Designed as a hybrid lecture/lab format in which direct instruction is supplemented by hands on learning labs using ArcGIS software and real-world spatial data. The main skills students will gain are: integration of spatial and tabular data, geoprocessing, data visualization, creating features, editing features, vector and raster integration, spatial analysis, georeferencing.

**ARTHIST317 - The Body in Art in Early Modern Europe: Power and Limits of Corporeal Representations**

**Subject**
ARTHIST

**Catalog Number**
317

**Title**
The Body in Art in Early Modern Europe: Power and Limits of Corporeal Representations

**Description**
This course studies the artistic representations of the human body in many guises: aesthetic, political, social, cultural, and erotic. It analyses the different strategies artists deployed to develop rhetorics of the body both physical and emotional. It considers different media (including painting, sculpture, drawings, prints, architecture, and gardens) and major theoretical frameworks (including feminist theory, phenomenology, social theory and somaesthetics). This course considers the body dynamically through composition, as object of investigation, as locus of meaning and through social understanding. Lectures and discussions are complemented by corporeal performances and improvisations.

**ARTHIST318SA - New York Scenes**

**Subject**
ARTHIST

**Catalog Number**
318SA

**Title**
New York Scenes

**Description**
New York Scenes will focus on the various cultural institutions, scenes, establishments, happenings, hang-outs, movements, etc., that make up New York City. Early in the semester, students will select a particular ‘scene’ to research over the course of the term. For example: Tin Pan Alley (popular music, theater), The Lafayette Theatre (black arts), St. Mark’s Church (poetry, punk rock), the Chelsea Hotel (mid-century writers, pop stars and outcasts), La MaMa (experimental theater), the Christopher Street Piers (queer history, LGBTQ youth) and Union Square Park (leftist organizing history). Open to students in the Duke in New York program.

**ARTHIST334 - Roman Spectacle**

**Subject**
ARTHIST

**Catalog Number**
334

**Title**
Roman Spectacle

**Description**
Gladiatorial games, wild beast hunts, elaborately-staged executions of condemned criminals, and chariot racing as some of the most popular forms of public entertainment in the Roman world. The ritual of these entertainments and spectacles, the circumstances of and occasions for their performance, and the form and elaboration of the venues - the amphitheater, the circus, the theater, and the stadium - in which they took place. Visual and literary representations of these spectacles.
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<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>ARTHIST336</td>
<td>336</td>
<td>Pilgrimage and Tourism</td>
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<tr>
<td>Description</td>
<td></td>
<td>Investigation of pilgrimage and tourist destinations (Jerusalem, Rome, Santiago, Orlando, New York) from the Middle Ages to the present through a study of their material remains, primary sources and theoretical texts. Discussion of the moral and ethical issues involved in marketing authenticity from a cross-cultural and comparative perspective. Evaluation based on weekly student written assessments of the texts and the presentation of a pilgrimage site of their choice.</td>
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<tbody>
<tr>
<td>ARTHIST337</td>
<td>337</td>
<td>The Art of Gardens: Hanging Gardens of Babylon to Duke Gardens</td>
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<tr>
<td>Description</td>
<td></td>
<td>This course explores the history of garden and landscape design through a series of case studies beginning with ancient gardens of the Mediterranean and Near East and ending with the Sarah P. Duke gardens. Students will explore how landscapes were shaped to meet the aesthetic, agricultural, and social needs of a range of different cultures and time periods. Among the themes explored are the tension between the natural environment and human intervention and the religious, philosophical, and cultural significance of garden design. The class will culminate in a detailed study of Duke gardens, in which students will digitally map and conduct research into a portion of the gardens.</td>
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<tbody>
<tr>
<td>ARTHIST339</td>
<td>339</td>
<td>Chicago: Architecture, Urbanism, Politics</td>
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<tr>
<td>Description</td>
<td></td>
<td>Building has often been at the center of major social, economic and political struggles of the modern era. This course will analyze the development of architecture and urbanism in Chicago, from its incorporation to the present day, in relation to these historical struggles. Focusing particularly on the concept of place and space, the course will give the student an overview of building in Chicago and analyze in detail the theories and practices which govern urban planning up to our own times. Select sections of the course will particularly emphasize Chicago 1920-1975, and how questions of class and race intersect with a political economy of architecture.</td>
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<tbody>
<tr>
<td>ARTHIST340S</td>
<td>340S</td>
<td>Classical Sculpture</td>
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<tr>
<td>Description</td>
<td></td>
<td>Statues were the 'other population' of Greece and Rome. Portraits of athletes, generals, kings, emperors lined streets and filled markets. Why? What do statues do for people setting them up, for people viewing them? Seminar explores place of statues in Greek and Roman society, and relationship between context, style, and meaning. Course approaches material thematically and contextually. Particular attention paid to changing physical, cultural, historical, political contexts in which statues were set up and in which they continued to operate for centuries. Instructor consent required.</td>
</tr>
</tbody>
</table>
### ARTHIST342A - Dante and the Art of Hell

**Subject**  | ARTHIST  
---|---  
**Catalog Number**  | 342A  
**Title**  | Dante and the Art of Hell  
**Description**  
Dante's Divine Comedy, has inspired medieval illuminations, Renaissance frescoes, Surrealist paintings, and modern sculptures. This course explores this remarkable visual history to interpret Dante's poem. What new features of Dante's world do these visual adaptations bring into focus? Visiting sites throughout Italy, we will also aim to reconstruct Dante's visual and built environment to understand what is distinctive about his vision. Taught in English. Offered through Duke in Venice and Duke in Bologna programs.

### ARTHIST343SA - Conservation and Management of the Material Heritage

**Subject**  | ARTHIST  
---|---  
**Catalog Number**  | 343SA  
**Title**  | Conservation and Management of the Material Heritage  
**Description**  
This course offers theoretical and practical experience in the management of cultural heritage, with special reference to Roman art and architecture in Rome. Students live the experience of being a conservator of archaeological items, monuments, and sites, and a manager of cultural and material heritage.

### ARTHIST344 - Performance Art History and Theory

**Subject**  | ARTHIST  
---|---  
**Catalog Number**  | 344  
**Title**  | Performance Art History and Theory  
**Description**  
Performance Art History and Theory explores cultural experimentation, theoretical strategies, and ideological aims of performance art internationally; examines interchanges between artists' theories of performance, stylistic development, and impact in the context of cultural criticism and art history; traces interdisciplinary genealogies of performance globally; thinks about the body as a vehicle for aesthetic expression, communication, and information in its critique of social and political conditions; studies performance and gender, sexuality, race, and class; asks how performance alters the semiotics of visual culture and contributes to a paradigm shift from modernism to postmodernism.

### ARTHIST345 - African Art: From Royal Court to Contemporary Marketplace

**Subject**  | ARTHIST  
---|---  
**Catalog Number**  | 345  
**Title**  | African Art: From Royal Court to Contemporary Marketplace  
**Description**  
Explores traditional, modern, and contemporary African art from the ever-shifting perspectives of prestige, power, and identity. The conceptual framework guiding this survey is both a broad introduction to the major artists and artworks of Africa across millennia, as well as probing specific questions about the changing definitions of African art, individual versus state identities in African art, and the impact of religion, colonization, and trade/commerce on African art.
**ARTHIST347 - Roman Coinage: The Materiality of an Ancient Economy**

**Subject**
ARTHIST

**Catalog Number**
347

**Title**
Roman Coinage: The Materiality of an Ancient Economy

**Description**
The scholarly study of Roman coinage, focusing on historical trends from the late Republic to the early Empire, 3rd c. BCE-2nd c. CE. Topics of particular attention will be: introduction of coinage in Rome and the provinces; historically contextualizing the making, using, and losing of money (how and why coins are produced, exchanged, buried, counterfeited, even used in religious rituals). Coins as works of art—but common, widely circulating works of art produced by governments, often used to spread propaganda about state goals or national identity.

**ARTHIST351 - Art of the Meal: Alcohol and Feasting in the Ancient World**

**Subject**
ARTHIST

**Catalog Number**
351

**Title**
Art of the Meal: Alcohol and Feasting in the Ancient World

**Description**
Commensality—the act of eating and drinking together—is a fundamental part of human social life, no matter the time or place. This course examines the wide variety of evidence from the ancient world for feasting activities, and especially the production and consumption of alcoholic beverages, in text, visual and material culture. Readings in anthropological theory and archaeological and ethnographic case studies are used to explore human relationships to food and alcohol in different social contexts, and their use in the construction of cultural similarity and difference, group identities, and social hierarchies. With special emphasis on the ancient Mediterranean and Middle East.

**ARTHIST354SL - Digital Art History I: New Representational Technologies**

**Subject**
ARTHIST

**Catalog Number**
354SL

**Title**
Digital Art History I: New Representational Technologies

**Description**
Research and study in material culture and visual arts expressed by using new visual technologies to record and communicate complex sets of visual and physical data from urban and/or archaeological sites. Introduces techniques for presentation and interpretation of visual material through a series of interpretive and reconstructive technologies, including development of web pages, timelines, Photoshop, Illustrator, Trimble SketchUp, Google Maps, GIS. Uses test cases (archaeological site or urban/architectural site) to develop techniques of interpretation and representation. Instructor consent required.

**ARTHIST360D - What Is Beauty?**

**Subject**
ARTHIST

**Catalog Number**
360D

**Title**
What Is Beauty?

**Description**
Exploration of Western theories of beauty from Plato to the present. What do we mean when we call something beautiful? Does beauty belong to an object or an observer’s mind? Is art or nature the best example of beauty? The class also examines the intertwining of modern theories of beauty with theories of race; analyzes the gender and power dynamics of theories of beauty; and asks about the relationship of aesthetics to society, politics, and biology. Readings include authors such as Plato, Burke, G.E. Lessing, Kant, Schiller, Charles Darwin, George Eliot, Nietzsche, W.E.B. DuBois, Arthur Danto, Elaine Scarry, Alice Walker, and Semir Zeki. Taught in English.

**ARTHIST378 - Chinese Buddhist Art**

**Subject**
ARTHIST

**Catalog Number**
378

**Title**
Chinese Buddhist Art

**Description**
Chinese sculpture, painting, and architecture in relation to Buddhist texts, practice, and ritual from the fourth through the ninth century C.E. Introduction to precedents in Indian and Central Asian Buddhist art. Emphasis on the relationship between Buddhist and non-Buddhist imagery.

**ARTHIST381D - Global Art Since 1945**

**Subject**
ARTHIST

**Catalog Number**
381D

**Title**
Global Art Since 1945

**Description**
Major avant-garde movements of the post-World War II era, with a concentration on the unprecedented changes in the mediums of art, its forms, impact on society and politics, and ethical role in shaping culture through painting and sculpture, conceptual and performance art, installation and new media, video, photography, and film.
**ARTHIST381S - Global Art Since 1945**

**Subject**  
ARTHIST

**Catalog Number**  
381S

**Title**  
Global Art Since 1945

**Description**  
Major avant-garde movements of the post-World War II era, with a concentration on the unprecedented changes in the mediums of art, its forms, impact on society and politics, and ethical role in shaping culture through painting and sculpture, conceptual and performance art, installation and new media, video, photography, and film.

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**ARTHIST382 - Visualizing Cities: Representing Urban Landscapes, Cultures, and Environments**

**Subject**  
ARTHIST

**Catalog Number**  
382

**Title**  
Visualizing Cities: Representing Urban Landscapes, Cultures, and Environments

**Description**  
Visualizing cities in theory and practice. Exploring digital and visual representation of landscapes, structures, environments, history, culture, architecture, events, and populations. Change over time, cultural heritage, possible futures, and alternate pasts from historical, cultural, documentary, and scientific evidence and archives. The idea of the city as a conceptual category and metaphor. Ubiquitous computing in urban environments as a medium for interaction. Global cities and diaspora. Visual imagery and written accounts. Use of mapping, imaging, 3D, augmented reality, games. Individual and group research and production of visualizing cities projects. Topics and temporal foci vary.

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**ARTHIST383 - The Black Atlantic**

**Subject**  
ARTHIST

**Catalog Number**  
383

**Title**  
The Black Atlantic

**Description**  
The African diaspora—a direct result of the transatlantic slave trade and Western colonialism—has generated a wide array of artistic achievements, from the 'shotgun' houses of New Orleans to the urban graffiti of NYC. The course surveys several major cultural groups in West and Central Africa and their aesthetic impact on the arts, religions, and philosophies of peoples of African descent in South America, the Caribbean, and the United States.

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**ARTHIST384 - Art of the United States**

**Subject**  
ARTHIST

**Catalog Number**  
384

**Title**  
The Art of the United States

**Description**  
The course introduces the major art forms and aesthetic theories developed in the US from colonial period to present. Emphasis on architecture, painting, sculpture, graphic, and decorative arts. Structured chronologically, this course defines the characteristics of the different historical periods and the ways American artists both adopted and diverged from other models to create their own distinctive national identity.

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**ARTHIST390 - Special Topics in Art History**

**Subject**  
ARTHIST

**Catalog Number**  
390

**Title**  
Special Topics in Art History

**Description**  
Topics vary by semester.

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**ARTHIST390-1 - Topics in Renaissance Art**

**Subject**  
ARTHIST

**Catalog Number**  
390-1

**Title**  
Topics in Renaissance Art

**Description**  
Specific problems dealing with the iconography, style, or an individual master from c. 1300 to 1600. Subject varies from year to year.
**ARTHIST390A - Duke-Administered Study Abroad: Advanced Special Topics in Art History**

**Subject**  
ARTHIST

**Catalog Number**  
390A

**Title**  
Duke-Administered Study Abroad: Advanced Special Topics in Art History

**Description**  
Topics differ by section.

**ARTHIST390S - Special Topics in Art History**

**Subject**  
ARTHIST

**Catalog Number**  
390S

**Title**  
Special Topics in Art History

**Description**  
Subjects, areas, or themes that embrace a range of disciplines or art-historical areas. Consent of instructor required.

**ARTHIST390SL - Special Topics in Art History and Digital Visualization**

**Subject**  
ARTHIST

**Catalog Number**  
390SL

**Title**  
Special Topics in Art History and Digital Visualization

**Description**  
Subjects, areas, or themes that embrace a range of disciplines of art-historical areas and the visualization of this information or material culture through digital technologies. Instructor consent required.

**ARTHIST391 - Independent Study**

**Subject**  
ARTHIST

**Catalog Number**  
391

**Title**  
Independent Study

**Description**  
Directed reading in a field of special interest, under the supervision of a faculty member, resulting in a substantive paper or report. Open to qualified students in the junior year, by consent of instructor and director of undergraduate studies.

**ARTHIST392 - Independent Study**

**Subject**  
ARTHIST

**Catalog Number**  
392

**Title**  
Independent Study

**Description**  
Directed reading in a field of special interest, under the supervision of a faculty member, resulting in a substantive paper or report. Open to qualified students in the junior year, by consent of instructor and director of undergraduate studies.

**ARTHIST393 - Research Independent Study**

**Subject**  
ARTHIST

**Catalog Number**  
393

**Title**  
Research Independent Study

**Description**  
Individual research in a field of special interest under the supervision of a faculty member, the central goal of which is a substantive paper or written report containing significant analysis and interpretation of a previously approved topic. Open only to qualified students in the senior year. Consent of instructor and director of undergraduate studies required.
**ARTHIST394 - Research Independent Study**

**Subject**: ARTHIST  
**Catalog Number**: 394  
**Title**: Research Independent Study  

**Description**  
Individual research in a field of special interest under the supervision of a faculty member, the central goal of which is a substantive paper or written report containing significant analysis and interpretation of a previously approved topic. Open only to qualified students in the senior year. Consent of instructor and director of undergraduate studies required.

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**ARTHIST395S - Art History Methodology and Theory**

**Subject**: ARTHIST  
**Catalog Number**: 395S  
**Title**: Art History Methodology and Theory  

**Description**  
Undergraduate course discussing various theoretical approaches that have shaped disciplinary perspectives and practices in art history. Introduction to particular types of methodologies (e.g. Marxism, feminism, race and gender, psychoanalysis, post-colonial theory, and deconstruction) as fields of inquiry through which the study of the visual arts and culture have been practiced. Historiography of art history; selected contemporary debates. All seats in all sections reserved for Art History majors and second majors.

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**ARTHIST417S - Art & Democracy: Madrid/Barcelona/Valencia/Bilbao**

**Subject**: ARTHIST  
**Catalog Number**: 417S  
**Title**: Art & Democracy: Madrid/Barcelona/Valencia/Bilbao  

**Description**  
Beyond the poster, mural and graffiti, was there a painterly art in the pre-digital age that found a fitting place on the street and the square, the citizen venues where direct democracy and the people's rights first emerged? Is there an ethically responsive and socially responsible praxis which may yield visual works of enduring value without sacrificing the humanistic imperative of communicability? Since the 1950s such questions concerned Spanish artists in all styles (Tapies, Genoves, Ibarrola, Equipo Cronica). Like Goya before them, these painters tried to help their society transition from political tyranny to more inclusive forms of participation. Prerequisite: Advanced reading knowledge of Spanish.

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**ARTHIST426S - France-Asia: Cultural Transfers and Translations in a Globalized Context**

**Subject**: ARTHIST  
**Catalog Number**: 426S  
**Title**: France-Asia: Cultural Transfers and Translations in a Globalized Context  

**Description**  
This class explores the dynamic contemporary Franco-Asian dialogue with a specific focus on China, Japan, Vietnam, Laos and Cambodia. Seeking to go beyond the East-West divide, the seminar investigates the current stakes of this dialogue, given its growing complexity after 1945. It examines the postcolonial legacy of France's occupation of Indochina, and how East Asia has also often been viewed as an 'Other,' serving to crystallize French anxieties over political and cultural power. It uses an interdisciplinary perspective encompassing novels, cinema, dance, visual arts, and critical theory to trace a web of exchanges in a globalized context. Taught in French.
ARTHIST432S - From the Art of the Pleasure Quarters to Tokyo Pop

Subject: ARTHIST  
Catalog Number: 432S  
Title: From the Art of the Pleasure Quarters to Tokyo Pop

Description:
Starting in the bordellos of 17th-century Edo (now modern-day Tokyo) and spanning up through the kitsch of contemporary Japanese pop culture, this course examines the vibrant and often bawdy forms of Japanese print and visual culture. Introduction to Japanese printmaking practices and a forum for discussing critical issues related to sexuality, censorship, spectacle, satire, tourism, the supernatural, and the Asian experience of modernity. Investigates the spectacular worlds of the kabuki theater, sumo wrestling, and the ‘pleasure quarters’ (the red-light district designated for licensed prostitution).

ARTHIST433S - Photography in the Americas: War, Tourism, Art, and Protest

Subject: ARTHIST  
Catalog Number: 433S  
Title: Photography in the Americas: War, Tourism, Art, and Protest

Description:
Since it emerged in the 19th century until today, the camera has framed our way of seeing and understanding the world. In this course, students accompany the camera in its path through major events in the Americas—North, South, and Central—and examine the profound connections between them. We discuss photography as a weapon of war, a souvenir for tourists, an instrument of protest, an illustration of history, a journalistic and ethnographic tool, and an artistic medium. Key developments in photographic processes, from half tone printing to digital imaging, offer opportunities to reflect on the relationship between visual culture and technology, and art and politics. Taught in Spanish.

ARTHIST454SL - Digital Art History II: New Representational Technologies Advanced

Subject: ARTHIST  
Catalog Number: 454SL  
Title: Digital Art History II: New Representational Technologies Advanced

Description:
Team-based research and study in material culture and visual arts expressed by using new visual technologies to record, interrogate, and communicate complex sets of visual and physical data from urban and/or archaeological sites. More advanced techniques for presentation and interpretation of visual material through a series of interpretive and reconstructive technologies. Use test cases (archaeological site or urban/architectural site) to further develop techniques of interpretation and representation. Public facing presentation of data and results of research is aim of final team-based project. Prerequisite: Art History 354SL/Visual and Media Studies 365SL.

ARTHIST455S - Curatorial Practicum: Exhibition Development and Design

Subject: ARTHIST  
Catalog Number: 455S  
Title: Curatorial Practicum: Exhibition Development and Design

Description:
The conceptualization and execution of museum exhibitions. Exploring theory and practicalities of exhibition conception, strategies, and approaches. Development of full exhibition proposals including checklists, exhibition text, exhibition design, fundraising, audience engagement, and programming. Visits to regional museums and galleries. Prerequisites: ARTHIST 310 and one of the following: ARTHIST 220, ARTHIST 221S or ARTHIST 222S.
### ARTHIST460S - World War I and the History of Art & Architecture: Germany and Beyond

**Subject**: ARTHIST  
**Catalog Number**: 460S  
**Title**: World War I and the History of Art & Architecture: Germany and Beyond

**Description**
Grounds the student in a thorough history of World War I and its impact on the arts in Germany, from the outbreak of war in 1914 through the 1918 Revolution and up to the 10th anniversary of war (1924). Compares this history with select examples from France, the Soviet Union, Italy, and elsewhere.

### ARTHIST475S - Queer Phenomenology & Art

**Subject**: ARTHIST  
**Catalog Number**: 475S  
**Title**: Queer Phenomenology & Art

**Description**
This seminar applies phenomenology to writing and thinking about art. Beginning with primary debates concerning how things present themselves to perception (Husserl, Heidegger, Shapiro, Merleau-Ponty, Beauvoir, Sartre), the course then considers poetic extrapolations (Fanon, Focillon, Bachelard), culminating in contemporary accounts (Nesbit, Salamon, Wainwright, and Ahmed) that interrogate phenomenology’s basic precepts while employing its methods to address art in relation to bodily experience, identity, sexual orientation, and social context. Short exercises and a final paper provide students with the opportunity to work through these ideas in light of their own interests and research.

### ARTHIST490-2 - Topics in Twentieth-Century Art (TOP)

**Subject**: ARTHIST  
**Catalog Number**: 490-2  
**Title**: Topics in Twentieth-Century Art (TOP)

**Description**
Focus on a major aspect of twentieth-century European art. Subject varies from year to year.

### ARTHIST490-3 - Topics in Contemporary Art

**Subject**: ARTHIST  
**Catalog Number**: 490-3  
**Title**: Topics in Contemporary Art

**Description**
Focus on a major aspect of contemporary European art. Subject varies from year to year.

### ARTHIST490S - Special Topics

**Subject**: ARTHIST  
**Catalog Number**: 490S  
**Title**: Special Topics

**Description**
Focus on particular aspects of Art and Art History. Topics vary. Instructor consent required. Topics course.

### ARTHIST491 - Independent Study

**Subject**: ARTHIST  
**Catalog Number**: 491  
**Title**: Independent Study

**Description**
Directed reading in a field of special interest, under the supervision of a faculty member, resulting in a substantive paper or report. Open only to qualified students in the senior year. Consent of instructor and director of undergraduate studies required.
<table>
<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARTHIST492 - Independent Study</td>
<td>Catalog Number: 492</td>
<td>Title: Independent Study</td>
<td>See Art History 491. Open only to qualified students in the senior year. Consent of instructor and director of undergraduate studies required.</td>
</tr>
<tr>
<td>ARTHIST493 - Research Independent Study</td>
<td>Catalog Number: 493</td>
<td>Title: Research Independent Study</td>
<td>Individual research in a field of special interest under the supervision of a faculty member, the central goal of which is a substantive paper or written report containing significant analysis and interpretation of a previously approved topic. Open only to qualified students in the senior year. Consent of instructor and director of undergraduate studies required.</td>
</tr>
<tr>
<td>ARTHIST494 - Research Independent Study</td>
<td>Catalog Number: 494</td>
<td>Title: Research Independent Study</td>
<td>See Art History 493. Open only to qualified students in the senior year. Consent of instructor and director of undergraduate studies required.</td>
</tr>
<tr>
<td>ARTHIST495S - Honors Thesis Workshop</td>
<td>Catalog Number: 495S</td>
<td>Title: Honors Thesis Workshop</td>
<td>Research and writing skills for students completing an honors thesis; bibliography, library and on-line research; use of archives; picture research and other research skills relating to the history of art; organization of material and preparation for writing; drafting, editing, and production of a finished text; use of scholarly conventions of referencing, footnoting etc. Compulsory for seniors preparing a graduation with distinction dissertation in art history. Instructor consent required.</td>
</tr>
<tr>
<td>ARTHIST89S - First-Year Seminar</td>
<td>Catalog Number: 89S</td>
<td>Title: First-Year Seminar</td>
<td>Topics vary each semester offered.</td>
</tr>
<tr>
<td>ARTS&amp;SCI101D - Introduction to Inquiry and Research across Disciplines</td>
<td>Catalog Number: 101D</td>
<td>Title: Introduction to Inquiry and Research across Disciplines</td>
<td>Students will analyze, discuss, and write about complex issues through multiple disciplinary frameworks to compose academic arguments about a relevant topic. Topics may include, but are not limited to, public health, big data, digital humanities, behavioral trends, and political climate. Students will learn about writing transfer as they explore research methods and epistemologies across disciplines, while evolving their writing and reasoning strategies in support of their academic arguments. This course is taught by faculty in the Thompson Writing Program.</td>
</tr>
</tbody>
</table>
**ARTS&SCI190 - Signature Course (Special Topics)**

**Subject** | **Catalog Number** | **Title**  
--- | --- | ---  
ARTS&SCI | 190 | Signature Course (Special Topics)  

**Description**
Duke Signature Courses are wide-ranging, theme-based courses that integrate perspectives from across academic fields of inquiry and provide a common intellectual experience for students from a variety of fields and interests. Signature Courses feature some of Duke's most renowned scholar-teachers exploring large themes, enduring questions, or compelling challenges of their disciplines and of our times. Topics vary.

---

**ARTS&SCI201S - Ethics, Citizenship, and the Examined Life**

**Subject** | **Catalog Number** | **Title**  
--- | --- | ---  
ARTS&SCI | 201S | Ethics, Citizenship, and the Examined Life  

**Description**
Ethics, Citizenship and the Examined Life explores several related themes. It attends to traditional Asian and Western ideals, and contemporary analyses of moral self-cultivation, personal achievement, and meaning to obligations beyond the self to family, community, religion, party, nation, and humanity, and whether it is possible to reconcile the criteria for 'doing the right thing' across cultures and ages; and to the ways in which Asian and Western philosophical and political traditions have addressed the relationship between a meritocratic elite and democratic forms of government.

---

**ARTS&SCI205S - Composing Oneself: Stress, Identity, and Wellness**

**Subject** | **Catalog Number** | **Title**  
--- | --- | ---  
ARTS&SCI | 205S | Composing Oneself: Stress, Identity, and Wellness  

**Description**
Interdisciplinary exploration of arts and science related to stress, identity, and wellness. Multi-dimensional focus fusing science, theory, art, literature, and performance to understand structural causes of stress, their physiological effects, and how stressors impact our identities and community ethics. Through text analysis and experience, students explore how arts of wellness, including yoga, mindfulness, and art therapies, impact stress, identity, and ethics. Course texts include literary and discourse theory, social science, neuroscience, and primary texts related to stress, identity, and wellness, including nonfiction, fiction, poetry, art, music, performance.

---

**ARTS&SCI206 - Contemporary Documentary Film: Filmmakers and the Full Frame Documentary Film Festival**

**Subject** | **Catalog Number** | **Title**  
--- | --- | ---  
ARTS&SCI | 206 | Contemporary Documentary Film: Filmmakers and the Full Frame Documentary Film Festival  

**Description**
Integrated with the films and filmmakers of the Full Frame Documentary Film Festival. The art form, style, and technology of contemporary documentary films. Issues of autonomy and power, politics, and public policies. Analysis of outstanding films from around the world. Presentations and discussions by filmmakers.

---

**ARTS&SCI301S - Foundations of Research**

**Subject** | **Catalog Number** | **Title**  
--- | --- | ---  
ARTS&SCI | 301S | Foundations of Research  

**Description**
The Foundations of Research course is designed to provide students with comprehensive understanding of research, as well as the practical skills needed to navigate the research experience. The course will cover a range of topics, including goal setting, mentoring, resource finding, research ethics, and research communication. This course is reserved for Duke Kunshan University students.

---

**ARTS&SCI390 - University Course (Special Topics)**

**Subject** | **Catalog Number** | **Title**  
--- | --- | ---  
ARTS&SCI | 390 | University Course (Special Topics)  

**Description**
Interdisciplinary course on topics of social relevance, sponsored by the Dean of Arts & Sciences. Topics vary each year.
<table>
<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>ARTS&amp;SCI</td>
<td>390S</td>
<td>University Course (Special Topics)</td>
</tr>
</tbody>
</table>

**Description**

Seminar version of ARTS&SCI 390. Interdisciplinary course on topics of social relevance, sponsored by the Dean of Arts & Sciences. Topics vary each year. Instructor consent required.

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<tr>
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</thead>
<tbody>
<tr>
<td>ARTS&amp;SCI</td>
<td>493</td>
<td>Research Independent Study</td>
</tr>
</tbody>
</table>

**Description**

Individual research in a field of special interest under the supervision of a faculty member, the central goal of which is a substantive paper or written report containing significant analysis and interpretation of a previously approved topic. Consent of instructor required.

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<tr>
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<tbody>
<tr>
<td>ARTS&amp;SCI</td>
<td>494</td>
<td>Research Independent Study</td>
</tr>
</tbody>
</table>

**Description**

Individual research in a field of special interest under the supervision of a faculty member, the central goal of which is a substantive paper or written report containing significant analysis and interpretation of a previously approved topic. Consent of instructor required.

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<tr>
<th>Subject</th>
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<tbody>
<tr>
<td>ARTS&amp;SCI</td>
<td>89S</td>
<td>Special Topics: First-Year Seminar</td>
</tr>
</tbody>
</table>

**Description**

Topics vary each semester offered.

<table>
<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>ARTSVIS</td>
<td>107L</td>
<td>Fundamentals of Art and Design</td>
</tr>
</tbody>
</table>

**Description**

This course introduces the theory and practice of the fundamentals of design. Students explore critical thinking, visual literacy, elements and principles of design, color, composition, typography and other design topics to lay a basic foundation in the visual arts. Through lectures, readings and exercises, students gain knowledge of visual concepts and vocabulary, explore formal elements and principles of design, analyze iconic design to understand what makes it great, and experience different physical and digital media. Hands-on assignments will inspire students, and challenge them to explore the practice of design and art, and to work towards successful solutions through experimentation.

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<th>Subject</th>
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<th>Title</th>
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<tbody>
<tr>
<td>ARTSVIS</td>
<td>115S</td>
<td>Introduction to Black and White Photography</td>
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</tbody>
</table>

**Description**

Foundation class in photography utilizing black and white film and a wet darkroom. Shoot, process, and print individual student work throughout the semester. Emphasis on the documentary approach and a continual visual exploration of meaning and metaphor in the form of regular assignments, slide lectures of important historic and contemporary photographic work, and critiques of each other's work. No textbooks are required, though students will need to budget a comparable amount for supplies and equipment.
### ARTSVIS119S - Introduction to Digital Photography

**Description**
An emphasis on digital photography, using the camera as a distinctive way of seeing and knowing. Class assignments accompanied by historical and theoretical readings, lectures, class discussions, and field trips. Final projects include thematic photographic series and an individual documentary essay.

### ARTSVIS120 - Compositional Painting

**Description**
Studio practice in painting with individual and group criticism and discussion of important historical or contemporary ideas. Prerequisite: Visual Arts 199.

### ARTSVIS130 - Experimental Drawing: Image and Bit Play

**Description**
Approaches the creation of digital image-making in collective play. Includes individual and group brainstorming using different digital and traditional analogue processes (drawing, painting, and collage) to study how the ludic (play) enables creative thinking and experimentation in digital image manipulation. Database of images presented from multiple genres. Students work on outside assignment critiqued at end of class.

### ARTSVIS135 - Experimental Sculpture and Installation Art

**Description**
This course explores ideas surrounding the creation of experimental sculpture. Employs non-traditional methods: ‘readymades,’ non-traditional materials, conceptual processes, digital interaction and fabrication techniques (rapid prototyping), mixed media including video, and projection technologies. Content of work driven by individual student interests—sustainability, the anthropocene, feminism, social and political commentary, and/or more formal, abstract sculptural relations. Instructor consent required.

### ARTSVIS140 - Create, Innovate, Act: Creativity, Innovation, and Social Action

**Description**
Introductory course for first and second year undergraduates. This course bridges sciences, arts, and humanities, with focus on experiential knowledge and engagement with the everyday. Combines methods from broad range of areas based on creative inquiry and innovation. Students choose particular areas, or combination thereof, discussing their own research, inventions, artworks, compositions, performances, new media, or activist interventions. Specific skills developed at specialized maker spaces, labs, and studios. With exception of guest presentations, lectures delivered in video format to maximize class time production. Guest speakers include artists, activists, innovators, entrepreneurs, curators, and scholars.

### ARTSVIS171SA - Capturing the City: Documentary Photography in Berlin

**Description**
History and development of documentary photography in Germany since the 19th century. Photography fieldwork projects focused on interpreting cultural life, public spaces, landscapes, and people in Berlin. Includes techniques and practice of color photography—composition, lighting, color correction, editing, and sequencing. Engagement with contemporary photography scene in Berlin through visits with area artists, museum visits, and mounting of exhibition of student work. Offered through the Duke in Berlin program.
<table>
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<tbody>
<tr>
<td>ARTSVIS</td>
<td>190FS</td>
<td>Topics in Visual Arts</td>
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<tr>
<td></td>
<td></td>
<td>Description</td>
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<td></td>
<td></td>
<td>Subjects, areas, or themes that embrace art and visual culture. Open only to students in the Focus program.</td>
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<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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<tbody>
<tr>
<td>ARTSVIS</td>
<td>198</td>
<td>Experimental Interface Design</td>
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<td>Description</td>
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<td></td>
<td>Class explores issues surrounding embodied approaches to interface design. Articulates methodology for generating new forms of human/computer interface; includes workshops, discussions, student presentations, critiques and group brainstorming sessions. Content related to biomimetics; haptic body knowledge; multi-modal sensing; physical computing; physical</td>
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<th>Catalog Number</th>
<th>Title</th>
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<tbody>
<tr>
<td>ARTSVIS</td>
<td>199</td>
<td>Drawing</td>
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<td>Description</td>
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<td>Drawing as integrative tool where ideas and processes are explored and expanded through a variety of media. Still life, figure, landscape, architecture. Representation, abstraction, and working from imagination. Through problem solving within a range of projects, development of a visual language, and drawing skills to be applied to conceptual, visual, and technical disciplines. Class open to 1st and 2nd year students only. Students 3rd year and above will need permission # to enroll.</td>
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<tbody>
<tr>
<td>ARTSVIS</td>
<td>203</td>
<td>Introduction to Architectural Design</td>
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<td>Description</td>
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<td></td>
<td></td>
<td>Introduction to architectural design: space making with emphasis on process, abstraction, and modes of representation. Drawing conventions, orthographic projection, model building, rendering, digital technologies as forms of visual inquiry. Tectonics, space, scale, and material as ensemble parts of project presentations to represent ideas as well as artifacts. Final projects on building program and architectural issues: threshold, view, entry. Instructor consent required.</td>
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<tbody>
<tr>
<td>ARTSVIS</td>
<td>204S</td>
<td>Medicine and the Vision of Documentary Photography</td>
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<td>Description</td>
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<tr>
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<td></td>
<td>The intersection of healthcare and documentary photography. Explore work of established photographers engaged with healthcare topics. Produce semester-long documentary photography project and 5-10 page documentary essay on healthcare related topic. Students must have or quickly develop proficiency in the use of a digital SLR camera and Adobe Lightroom. Course materials include photographs, articles, and books. Class sessions combine critique of student work, discussion of course materials, and discussion of ethical questions involved in documentary representation of healthcare-related topics.</td>
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<tbody>
<tr>
<td>ARTSVIS</td>
<td>205</td>
<td>Intermediate Drawing</td>
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<td>Description</td>
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<td></td>
<td>Allows students to explore their artistic interests and biases through a series of self-directed projects. Both the directness and the flexibility of the medium of drawing are investigated. Prerequisites: Visual Arts 199 and consent of instructor.</td>
</tr>
</tbody>
</table>
ARTSVIS206 - Digital Imaging
Subject: ARTSVIS
Catalog Number: 206
Title: Digital Imaging
Description: Photoshop and Illustrator used to introduce single and serial images for print and web output. Consent of instructor required.

ARTSVIS207S - Comics and Zines: History, Theory, and Practice
Subject: ARTSVIS
Catalog Number: 207S
Title: Comics and Zines: History, Theory, and Practice
Description: Focus on the art of the comic book, zines and other sequential forms such as graphic novels and photo comics (fumetti, fotonovelas). Methods include the study and practice of creating sequential art, storytelling, drawing, graphic design, basic book making, and DIY publishing. Students make complete comic books and small editions while learning the history and theory of these genres and techniques.

ARTSVIS209 - 3D Modeling and Animation
Subject: ARTSVIS
Catalog Number: 209
Title: 3D Modeling and Animation
Description: Basic concepts of 3D modeling and animation; fundamentals of computer geometry; knowledge of basic tools of 3D software (Maya); introduction to modeling, animation, texturing, lighting, and rendering; combination of these techniques in a final project. Recommended prerequisite: Visual and Media Studies 206 or 396.

ARTSVIS210 - Sculpture
Subject: ARTSVIS
Catalog Number: 210
Title: Sculpture
Description: Sculptural principles, processes, and issues introduced through lectures, readings, studio assignments, individual projects, and field trips. Consent of instructor required.

ARTSVIS211 - Intermediate Sculpture
Subject: ARTSVIS
Catalog Number: 211
Title: Intermediate Sculpture
Description: Studio practice in sculpture at the intermediate level. Group and individual discussion and critique. Prerequisite: Visual Arts 210 and consent of instructor.
ARTSVIS212FS - Digital Documentary Photography: Education, Childhood, and Growth

Subject: ARTSVIS
Catalog Number: 212FS
Title: Digital Documentary Photography: Education, Childhood, and Growth

Description
Documentary photography as a tool for exploring public education in Durham. Learn digital techniques including camera function, Photoshop, ink-jet printing, audio capture and production of audio-visual slide shows. Discuss ethical issues that emerge as a result of digital photographic impermanence. Service-learning environment consisting of fieldwork photography in collaboration with community organization, culminating in an exhibit. This is a Focus Program Course for Knowledge in the Service of Society. Department consent is required.

ARTSVIS212S - Digital Documentary Photography: Education, Childhood, and Growth

Subject: ARTSVIS
Catalog Number: 212S
Title: Digital Documentary Photography: Education, Childhood, and Growth

Description
Documentary photography as a tool for exploring public education in Durham. Learn digital techniques including camera function, Photoshop, ink-jet printing, audio capture and production of audio-visual slide shows. Discuss ethical issues that emerge as a result of digital photographic impermanence. Service-learning environment consisting of fieldwork photography in collaboration with community organization, culminating in an exhibit. Consent of instructor required.

ARTSVIS220 - Intermediate Painting

Subject: ARTSVIS
Catalog Number: 220
Title: Intermediate Painting

Description
Learn to paint with oil paint, using a primary palette and mixing secondary colors. Work from observation and learn how to see color. Paint still lives, self-portraits, interior spaces and exterior spaces. Course may be repeated for credit. Prerequisite: Visual Arts 120. This requirement can be waived by the instructor. Consent of instructor is required.

ARTSVIS216S - Documentary Photography and the Southern Culture Landscape

Subject: ARTSVIS
Catalog Number: 216S
Title: Documentary Photography and the Southern Culture Landscape

Description
Emphasis on the tradition and practice of documentary photography as a way of seeing and interpreting cultural life. The techniques of color and black-and-white photography - exposure, development, and printing - diverse ways of representing the cultural landscape of the region through photographic imagery. The role issues such as objectivity, clarity, politics, memory, autobiography, and local culture play in the making and dissemination of photographs.
### ARTSVIS222S - The Photographic Portfolio

**Subject** | ARTSVIS  
---|---
**Catalog Number** | 222S  
**Title** | The Photographic Portfolio  
**Description**
Students actively seek specific photographic territory to explore and build a body of work. The resulting images are extensively work-shopped for sequencing. Particular emphasis on the making of high quality prints. Semester culminates in the production of finished portfolios in three formats: a printed form, a digital form, and an exhibition or installation form. Each student's evolving body of work to be informed by relevant precedents from the history of photography. These are brought into discussions of the work as the semester progresses, with an emphasis on examining bodies of photographic work that communicate something larger than a single idea. Instructor consent required.

### ARTSVIS223 - Graphic Design in Multimedia: Theory and Practice

**Subject** | ARTSVIS  
---|---
**Catalog Number** | 223  
**Title** | Graphic Design in Multimedia: Theory and Practice  
**Description**
Design history and theory. Lectures and projects focused on direct interaction with digitized elements of historically significant designs. Design elements and principles. Comparison of the language and tools of old and new media. Analysis of visual materials, discovering conceptual and stylistic connections, including Illustrator and Photoshop. Consent of instructor required.

### ARTSVIS224 - Printmaking: Silkscreen

**Subject** | ARTSVIS  
---|---
**Catalog Number** | 224  
**Title** | Printmaking: Silkscreen  
**Description**
The silkscreen medium and its stencil-making processes including paper stencils, blockouts, crayon, and photographic methods. Students develop a significant body of prints using these techniques. Consent of instructor required.

### ARTSVIS226 - Printmaking: Relief and Monotype

**Subject** | ARTSVIS  
---|---
**Catalog Number** | 226  
**Title** | Printmaking: Relief and Monotype  
**Description**
Relief methods of woodcut and linoleum block printing and monotype techniques. Concentration on both the technical and historical aspects of the media and their expressive potentials. Students develop a significant body of prints using these techniques. Instructor consent required.

### ARTSVIS228S - Arts Policy, Leadership, and Engagement

**Subject** | ARTSVIS  
---|---
**Catalog Number** | 228S  
**Title** | Arts Policy, Leadership, and Engagement  
**Description**
This community-engaged course provides an introduction to contemporary issues in US arts policy and cultural sector leadership across four broad themes: creative institutions; cultural equity and accessibility; creative placemaking/community development; and the creative economy. In addition to policy questions in these areas, we examine leadership practices in arts organizations and cultural institutions, with particular attention to the kinds of leadership the arts require in a post-2020 world. Students will work in teams on a semester-long collaborative project with an arts policy organization and experience the arts in practice through attendance at performances and exhibitions.

### ARTSVIS229S - Experimental Filmmaking

**Subject** | ARTSVIS  
---|---
**Catalog Number** | 229S  
**Title** | Experimental Filmmaking  
**Description**
The history of avant-garde in film and video combined with production exercises.
ARTSVIS232S - Small Town USA: Local Collaborations

Subject: ARTSVIS  
Catalog Number: 232S  
Title: Small Town USA: Local Collaborations

**Description**

Theory and practice of documentary photography in a small-town context. Students working in collaboration with one nearby small town complete a documentary photographic study of one individual or group within that town. Includes analysis of the documentary tradition, particularly as it relates to locally situated work and to selected individual projects; building visual narrative, developing honest relationships with subjects, responsibility to subjects and their communities, and engaging with and portraying a community as an outsider. Photo elicitation and editing techniques. Consent of instructor required. Required participation in service-learning.

ARTSVIS233S - Costume Design

Subject: ARTSVIS  
Catalog Number: 233S  
Title: Costume Design

**Description**

This course is designed to introduce students to the essentials of costume design and rendering. Emphasis will be placed on historical research, applying conceptual thought, and script and character analysis. Students will also explore and deepen visual art skills using figure drawing and various media as communication tools. No previous art or theatre experience necessary.

ARTSVIS234S - Scene Design

Subject: ARTSVIS  
Catalog Number: 234S  
Title: Scene Design

**Description**

Study of theory and methodology of set design for stage through examination of historical and contemporary stage design as well as conceptualization, research, and development of design solutions for assigned plays.

ARTSVIS235S - Lighting Design

Subject: ARTSVIS  
Catalog Number: 235S  
Title: Lighting Design

**Description**

Introduction to the process and practice of lighting design for the theater. Focus on text analysis, research, design process, instrumentation, control, color, design documents, and realization of designs in the theater. Includes the study of principles and practices, labs in design imagery, and projects in lighting design.

ARTSVIS237 - Book Art: Typography as Image

Subject: ARTSVIS  
Catalog Number: 237  
Title: Book Art: Typography as Image

**Description**

Investigates use of text as vehicle for communication and visual form within book format. Typography, interaction of writing and page design, history of typography, writing and printed page, use of written form as work of art, book design, binding and how text as visual element interacts with and becomes the image. Prerequisite: Visual Arts 201 preferred. Instructor consent required.

ARTSVIS238 - Digital Printmaking: Exploring Photo Silkscreen and Photoshop

Subject: ARTSVIS  
Catalog Number: 238  
Title: Digital Printmaking: Exploring Photo Silkscreen and Photoshop

**Description**

Explore different facets of photo-silkscreen process through development of digital imagery using a variety of digital approaches. Application of paralleling layering approaches found in image development and printing methods with image development in Adobe Photoshop and Illustrator, combining handmade and photo-silkscreen stencil-making methods. Different digital image making methods and silkscreen printing techniques in addition to serial image development. Prerequisite: ARTSVIS 101; ARTSVIS 224 recommended. Instructor consent required.
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<tr>
<td>ARTSVIS</td>
<td>240S</td>
<td>Color Photography: Fieldwork and Digital Color</td>
<td>Field-based course examining color photography as a documentary tool. Students learn about aesthetic and technical foundations of color photography using recent digital technology. Class-conducted intensive examination of the work of historic and contemporary color documentary photographers. Advanced techniques in film scanning, Photoshop, and color pigment printing. Completion of semester-long color photographic project, and final project consisting of production of a series of color pigment prints.</td>
</tr>
<tr>
<td>ARTSVIS</td>
<td>242L</td>
<td>Interactive Graphics: Critical Code</td>
<td>Introduction to interactive graphics programming for artists. Explores object-oriented programming via the Processing programming environment as well as historical and theoretical appreciation of interactivity and computer graphics as artistic media. Combines discussions of key concepts from the readings with hands-on Processing projects and critiques. No previous programming experience or prerequisites required. Enrollment limited to 15 students.</td>
</tr>
<tr>
<td>ARTSVIS</td>
<td>248S</td>
<td>Cinematography</td>
<td>In-depth investigation of cinematographic techniques and principles for motion picture production. Exercises in both film and high definition digital video. Emphasis on advanced lighting techniques, lensing, camera mobility, set operations and close analysis of master works of cinematography.</td>
</tr>
<tr>
<td>ARTSVIS</td>
<td>249S</td>
<td>The Photobook: History and Practice</td>
<td>Cultural, intellectual and artistic history and uses of the book in photographic practice. Traces technical, conceptual, formal innovations that mark international history of photography books through lectures/hands-on examination of key books, including lesser known innovations and uses of photobook in Eastern Europe, the Soviet Union and Japan. Marries historical awareness with studio practice. Simultaneous immersion in production of images as well as collecting of archives from various cultures. Crafting of photobooks in several genres as students edit, print, scan, assemble materials. Seminar includes readings, discussions, short writings, field trips. Consent of instructor required.</td>
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<tr>
<td>Subject</td>
<td>Catalog Number</td>
<td>Title</td>
<td>Description</td>
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<tr>
<td>ARTSVIS</td>
<td>251AS</td>
<td>Duke in London: Arts</td>
<td>This course surveys London as a site of dynamic cultural production, whose participation in the global marketplace of artistic commodities reveals the city's restlessly transnational, cosmopolitan character. Studying local institutions, students are introduced to the complex relationship among art, state, and the global cultural marketplace; studying a multiracial and multiethnic community, they become familiar with theories of globalization, neoliberalism, and cosmopolitanism, as well as migration and so-called national identity. Students also participate in excursions including dance, opera, and theatre productions and visits to museums and other sites of cultural importance.</td>
</tr>
<tr>
<td>ARTSVIS</td>
<td>263S</td>
<td>Representing Breast Cancer: Feminist Literature, Art, and Film</td>
<td>Analyzes representations of breast cancer in feminist literature, art, and film. Drawing on health feminism, feminist medical ethics, and disability studies, explores what those representations tell us about the intersections among gender, race, class, sexuality, and ability in both the Global North and South. Sets artistic representations of breast cancer against the hyper-sexualization of breasts in capitalism's visual cultures and the spectacles of breast cancer activism. Shows how literature, art, and film can reveal health care's material conditions as well as breast cancer's psychic complexities.</td>
</tr>
<tr>
<td>ARTSVIS</td>
<td>264S</td>
<td>Puppetry</td>
<td>This course explores the conception and creation of various forms of puppetry. Students will investigate methods of building and performing puppets while looking into the strengths of different forms and styles. In addition students will be exposed to the incredible variety of contemporary world puppetry.</td>
</tr>
<tr>
<td>ARTSVIS</td>
<td>290</td>
<td>Topics in Visual Arts</td>
<td>Subject varies from year to year. Consent of instructor required.</td>
</tr>
<tr>
<td>ARTSVIS</td>
<td>290S</td>
<td>Special Topics in the Art of Poster Design and Printing, Practice and Theory</td>
<td>This course will explore poster design strategies throughout history with a focus on 20th century and contemporary methods. Students will produce a series of unique screen printed posters that address issues and topics that engage the current conversation around racial equity, social justice and the environment. The class will work directly with internationally recognized artist Carl Pope, who will be a virtual visiting artist at Duke during the Spring semester.</td>
</tr>
<tr>
<td>ARTSVIS</td>
<td>291</td>
<td>Individual Project in the Visual Arts</td>
<td>Individual directed study in a field of visual practice on a previously approved topic, under the supervision of a regular-rank faculty member, resulting in an academic and/or artistic product. Instructor consent required.</td>
</tr>
</tbody>
</table>
ARTSVIS295S - Arts Entrepreneurship

Subject: ARTSVIS  
Catalog Number: 295S  
Title: Arts Entrepreneurship

Description
Student teams work on specific arts-based entrepreneurial projects. Teams comprised of students from different backgrounds (arts, engineering, economics, computer science). Goals include creating business plan and launching ventures in areas of the arts. Structure an adaptation of Fuqua Program for Entrepreneurs. Ideal projects have real/positive impact on society. Students learn to situate artistic creativity within projects that meet societal need. Students from any background welcome to apply for enrollment. Must have interest in arts or working with artists in entrepreneurial context. Admission by permission of instructors.

ARTSVIS303S - Writing the Short Film

Subject: ARTSVIS  
Catalog Number: 303S  
Title: Writing the Short Film

Description
In-depth study of the short format movie. Development of short film concept and script, including pre-production, storyboarding, and look books.

ARTSVIS305L - Virtual Museums: Theories and Methods of Twenty-First-Century Museums

Subject: ARTSVIS  
Catalog Number: 305L  
Title: Virtual Museums: Theories and Methods of Twenty-First-Century Museums

Description
The future of museums will be one of immateriality and interaction. Course focuses on how the 'Internet of Things,' augmented reality technologies, new data analyses of artifacts will transform missions, roles, and goals of museums and collections. Core of course will be digital lab sessions focused on virtual reconstruction of lost heritage—e.g., museums and sites destroyed and damaged by ISIS and other conflicts in Iraq and the Middle East (Hatra, Nineveh, Nimrud, Baghdad).

ARTSVIS307 - User Experience and User Interface Design and Development

Subject: ARTSVIS  
Catalog Number: 307  
Title: User Experience and User Interface Design and Development

Description
How do we build knowledge about computational, aesthetic, product and spatial experience? What tools and methods enable our work in the design of these interactions? This course applies methods and technologies found in the User Experience (UX) and User Interface (UI) disciplines to analyze, document, design and prototype a number of spatial and product interactions.
ARTSVIS317S - Movement in Question: Introduction to Critical Dance Studies

**Subject**
ARTSVIS

**Catalog Number**
317S

**Title**
Movement in Question: Introduction to Critical Dance Studies

**Description**
This writing-intensive seminar casts students as a research team engaging in multiple ways with the interdisciplinary field of critical dance studies. Students read and analyze foundational texts and theories, develop capacity to interpretively analyze movement, and practically engage in embodied activities that make gaps between textual representation and embodiment visible. This holistic approach throws movement into question and centralizes dance as a critical way of making the social world. Final Research Projects include conventional academic papers or choreographed performances that engage issues raised in the course. Zero dance experience required. All physical abilities welcomed.

ARTSVIS318S - Photo Workshop

**Subject**
ARTSVIS

**Catalog Number**
318S

**Title**
Photo Workshop

**Description**
Examines historical and contemporary photographic artists for whom a particular photographic technique is essential to the creation of their work. Investigates strategies of intentional lighting. Explores techniques most suited to the documentation of individual student's chosen subject matter and create a cohesive body of work by semester's end employing that strategy. May use digital or analog equipment. No textbooks are required, though students will need to budget a comparable amount for supplies. Instructor consent required. Prerequisite (any one of): DOCST 115S, 119S; ARTSVIS 115S, 119S; VMS 115S; or equivalent experience.

ARTSVIS320 - Advanced Painting

**Subject**
ARTSVIS

**Catalog Number**
320

**Title**
Advanced Painting

**Description**
In advanced painting you will learn how to develop conceptual ideas by using the elements of art (line, color, harmony, repetition, value, texture, composition, and rhythm) to visually communicate. We will focus on developing meaningful paintings that conceptually address issues or ideas that are important to you. Prerequisite: Visual Arts 220.

ARTSVIS322S - Motion Graphics for Film and Video

**Subject**
ARTSVIS

**Catalog Number**
322S

**Title**
Motion Graphics for Film and Video

**Description**
An exploration of techniques and theoretical approaches to motion graphics, animation and post-production effects in film and video. Readings and screenings will lead to student-produced exercises through exposure to applications in the Adobe Creative Cloud and digital editing software.

ARTSVIS325S - Visiting Filmmaker Master Courses: Special Topics

**Subject**
ARTSVIS

**Catalog Number**
325S

**Title**
Visiting Filmmaker Master Courses: Special Topics

**Description**
Intensive production courses with visiting filmmaker. Topics vary by semester. May be taken twice.

ARTSVIS326S - Film Animation Production

**Subject**
ARTSVIS

**Catalog Number**
326S

**Title**
Film Animation Production

**Description**
Experimentation with various media; mastering animation techniques such as metamorphosis, timing, articulation, storytelling, sound design, special effects, and camera. Each student to produce a one-minute animated film on the Oxberry 16mm film animation stand. Not open to students who have taken this course as Film/Video/Digital 102S.
<table>
<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>ARTSVIS</td>
<td>340S</td>
<td>Producing Docu-Fiction</td>
</tr>
<tr>
<td><strong>Description</strong></td>
<td></td>
<td>Investigation of hybrid, genre-defying films that question traditional definitions of documentary and fiction. Emphasis on experimental forms, documentary reenactment, mockumentary and dramatized 'true stories.' Exploration of both documentary and fiction production techniques, culminating in the production of a final video project.</td>
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<tbody>
<tr>
<td>ARTSVIS</td>
<td>350S</td>
<td>Sound for Film and Video</td>
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<tr>
<td><strong>Description</strong></td>
<td></td>
<td>Theory and practice of sound recording techniques and strategies for film and video. Focus on sound/image relationship, sound design and sound acquisition. Screenings and readings will reinforce practice exercises.</td>
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<tbody>
<tr>
<td>ARTSVIS</td>
<td>353S</td>
<td>Black Feminism and Fashion</td>
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<tr>
<td><strong>Description</strong></td>
<td></td>
<td>Black feminist perspectives on clothing and fashion. Explores traditions in which Black artists and writers make clothing a primary theme. Presenting photographic, painted, and literary portrayals by and of Black people across the diaspora, and bringing together the study of visual culture, material culture, and literary studies, reveals fashion and clothing as aesthetic practices of everyday life that defy the objectifying effects of racism and sexism. Engages with scholarship that explores slavery's and colonialism's impact on gender and sexuality and examines how artists and writers work within and against those impacts to document the self-fashioning in Black cultural life.</td>
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<tbody>
<tr>
<td>ARTSVIS</td>
<td>356S</td>
<td>16mm Film Production</td>
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<tr>
<td><strong>Description</strong></td>
<td></td>
<td>Hands-on experience with 16mm motion picture film and photography. In-depth exploration of the techniques and aesthetics of film production, including basic screenwriting, lighting, storytelling, and editing.</td>
</tr>
</tbody>
</table>
ARTSVIS360A - Duke-Administered Study Abroad: Advanced Special Projects in Visual Arts

Subject: ARTSVIS  
Catalog Number: 360A  
Title: Duke-Administered Study Abroad: Advanced Special Projects in Visual Arts

Description: Projects differ by section.

ARTSVIS364S - Web Design and Narrative: Artists, Documentarians, Art Historians, and Entrepreneurs

Subject: ARTSVIS  
Catalog Number: 364S  
Title: Web Design and Narrative: Artists, Documentarians, Art Historians, and Entrepreneurs

Description: Professional practices course for students in creative fields without a computer science background: for artists and documentarians to create robust web-based portfolios; for art historians to showcase curatorial and scholarly projects; for entrepreneurs to demonstrate ideas, concepts, and products to the public. Develop customized, individual websites using CMS platforms. Hone and workshop artistic/curatorial/product statements. Develop teaching philosophies, exhibition imagery, and video documentation of artistic, curatorial, or product talks. Publish a blog magazine on arts and innovation topics. Guest speakers visit the course on a regular basis to review the students' work.

ARTSVIS368S - The View Camera: Black and White Large Format Photography

Subject: ARTSVIS  
Catalog Number: 368S  
Title: The View Camera: Black and White Large Format Photography

Description: Advanced, production-based photography course introduces students to the 4 x 5 large format view camera and its role in the documentary tradition. Learn to operate a view camera and attendant processes and materials to develop black and white sheet film and make silver gelatin contact prints from 4 x 5 negatives. Begins with focus on black and white negatives and contact prints. After demonstration of proficiency, students may optionally work in color film. Students produce a final portfolio of prints from their work throughout the semester. Class meetings consist of lectures, demonstrations, darkroom work, and critique of both process and final images.

ARTSVIS371S - The Choreographic Mind: Order, Disorder, Organization, Relations

Subject: ARTSVIS  
Catalog Number: 371S  
Title: The Choreographic Mind: Order, Disorder, Organization, Relations

Description: Practice-based studio work, discussions, and readings in current cultural theory, contemporary philosophy, and political discourse. Introduces choreography as a creative act of structuring movement; interrogates culturally dominant as well as subversive modes of ordering; examines the wider social and political context and consequences of various forms of artificially created structures. The students' radically subjective creativity, artistic experimentation, awareness, perception and expression is cultivated in order to understand and challenge the status quo and to create 'relational artefacts' through choreographic craft.
ARTSVIS375S - Recycled Cinema

**Subject**
ARTSVIS

**Catalog Number**
375S

**Title**
Recycled Cinema

**Description**
Found footage filmmaking, cinematic appropriation, the use of archival materials in documentaries, and current day internet mashups. Covering early cinema, experimental and documentary cinema, television, and the internet. Key emphasis on practice based assignments with a concurrent focus on the historical impact of the field from seminal moments to the contemporary moment through films and readings on the subject. Prerequisite: 100-level or above Visual Arts course, or permission of instructor.

ARTSVIS381S - Graphic Design in Motion

**Subject**
ARTSVIS

**Catalog Number**
381S

**Title**
Graphic Design in Motion

**Description**
Motion design is the creation of animated graphics using graphic design, typography, advertising, photography, animation, sound and filmmaking. Emphasis will be on design, conceptualization and ability to communicate ideas and work collaboratively. Learn language and principles of graphic design by developing a method for solving design problems, communicating ideas effectively, and creating professional motion designs such as title credits, logo animation, and newsreel that can be integrated into film, life performance or web. Photoshop, Illustrator, After Effects, and video editing software will be used. Prerequisite: one of the following: Visual Arts 102, 206, 223, or 326S, or Arts of the Moving Image 350S or 357S.

ARTSVIS390S - Special Topics in Visual Arts

**Subject**
ARTSVIS

**Catalog Number**
390S

**Title**
Special Topics in Visual Arts

**Description**
Subject varies from year to year.

ARTSVIS391 - Independent Project in the Visual Arts

**Subject**
ARTSVIS

**Catalog Number**
391

**Title**
Independent Project in the Visual Arts

**Description**
Individual directed study in a field of visual practice on a previously approved topic, under the supervision of a regular-rank faculty member, resulting in an academic and/or artistic product. Instructor consent required.

ARTSVIS426 - Advanced Printmaking: The Printed Installation

**Subject**
ARTSVIS

**Catalog Number**
426

**Title**
Advanced Printmaking: The Printed Installation

**Description**
Students will explore how print media engage with physical space. Using multiples made from different print processes, students will create objects and installations made from their prints. Projects will evolve from constructing dimensional prints to collaborating to build a room installation with prints. Experimentation by printing on different surfaces is highly encouraged. Recommended prerequisite: prior printmaking coursework.

ARTSVIS435 - Experimental Sculpture and Installation Art

**Subject**
ARTSVIS

**Catalog Number**
435

**Title**
Experimental Sculpture and Installation Art

**Description**
This course explores ideas surrounding the creation of experimental sculpture, employs non-traditional methods: ‘readymades,’ non-traditional materials, conceptual processes, digital interaction and fabrication techniques (rapid prototyping), mixed media including video, and projection technologies. Content of work driven by individual student interests, sustainability, the anthropocene, feminism, social and political commentary, and/or more formal, abstract sculptural relations. Instructor consent required.
ARTSVIS450S - Narrative Projects

Subject: ARTSVIS
Catalog Number: 450S
Title: Narrative Projects

Description:

ARTSVIS451S - Filming Art

Subject: ARTSVIS
Catalog Number: 451S
Title: Filming Art

Description:
Practice-based production course examining the filmic realization and visualization of the artistic process. Screenings of bio-pics, documentaries and experimental films focusing on artists and various art forms complement readings and hands on production exercises that will prepare students to undertake their own short video portrait of an artist or work of art.

ARTSVIS452S - Animation Practice II

Subject: ARTSVIS
Catalog Number: 452S
Title: Animation Practice II

Description:
Building on foundations of animation, this course expands upon and develops a further working knowledge of challenges faced in animation production. Examines the historical origins of animation from film and digital imaging to the contemporary 3-D workflow. Skills will be integrated into a self-directed final project of the student’s own design. Suggested prerequisites CINE 320S or CINE 381S.

ARTSVIS453S - Cinematography II

Subject: ARTSVIS
Catalog Number: 453S
Title: Cinematography II

Description:
Course explores the approaches, strategies, motivations, and creative processes that inform cinematography. Elements of cinematic style, visual imagination, and storytelling are discussed and explored through exercises. Students learn the relationships and responsibilities involved in the art, and are guided in the execution of the various canonical and extraordinary working methods involved in traditional, experimental, and modern cinematography. Suggested prerequisite: CINE 355S.

ARTSVIS490S - Special Topics in the Visual Arts

Subject: ARTSVIS
Catalog Number: 490S
Title: Special Topics in the Visual Arts

Description:
Subject varies from year to year.

ARTSVIS491 - Independent Study

Subject: ARTSVIS
Catalog Number: 491
Title: Independent Study

Description:
Individual directed study in a field of visual practice on a previously approved topic, under the supervision of a regular-rank faculty member, resulting in an academic and/or artistic product. Consent of instructor and director of undergraduate studies required.

ARTSVIS492 - Independent Study

Subject: ARTSVIS
Catalog Number: 492
Title: Independent Study

Description:
Individual directed study in a field of visual practice on a previously approved topic, under the supervision of a regular-rank faculty member, resulting in an academic and/or artistic product. Consent of instructor and director of undergraduate studies required.

ARTSVIS495S - Honors Thesis Workshop

Subject: ARTSVIS
Catalog Number: 495S
Title: Honors Thesis Workshop

Description:
Research and writing skills for students completing an honors thesis; bibliography, library and on-line research; use of archives; picture research and other research skills relating to the history of art; organization of material and preparation for writing; drafting, editing, and production of a finished text; use of scholarly conventions of referencing, footnoting etc. Compulsory for seniors preparing a graduation with distinction dissertation in art history. Instructor consent required.
ARTSVIS496S - Visual Arts Practice and Cinematic Arts Concentration Senior Capstone

Description
Senior capstone seminar in advanced research in Visual Arts practice and theory, Cinematic Arts practice and theory. Capstone requires the completion of major research project or body of work, participation in regular critiques, and presentation of work at a capstone exhibition. Visual Arts students work in any given media or combination thereof. Cinematic Arts Concentration students focus on the research and/or production of works in film, video, animation, or any time-based media. Course is structured around joint critiques and guest presentations, fostering an interdisciplinary environment representative of contemporary art contexts and professional practice.

ARTSVIS497S - Advanced Visual Practice

Description
Majors in the fall of their senior year work on independent projects in a group situation. Students meet weekly with professor teaching course to discuss progress and monthly with full Visual Arts and Visual and Media Studies faculty for critiques. This course serves as anchor course for students participating in Graduation with Distinction in Visual Arts and those Graduation with Distinction students in Visual and Media Studies with a practice-based component to their project. Initial development of projects during the fall semester, brought to completion in the Capstone course in spring. Instructor consent required.

ARTSVIS498S - Senior Capstone in Visual Practice

Description
Capstone seminar focusing on advanced visual practice and theory, including the completion of a body of work and participation in a culminating exhibition. Consent of instructor required.

BALTFIN490AS - Duke-Administered Study Abroad: Advanced Special Topics in Balto-Finnic

Description
Topics differ by section.

BIOCHEM301 - Introductory Biochemistry I: Intermediary Metabolism

Description
Chemistry of the constituents of proteins, lipids, carbohydrates, and nucleic acids and their metabolic interrelationships. Recommended prerequisite: two semesters of organic chemistry.
BIOCHEM301D - Introductory Biochemistry I: Intermediary Metabolism

**Subject**  
BIOCHEM

**Catalog Number**  
301D

**Title**  
Introductory Biochemistry I: Intermediary Metabolism

**Description**  
Chemistry of the constituents of proteins, lipids, carbohydrates, and nucleic acids and their metabolic interrelationships. Recommended prerequisite: two semesters of organic chemistry.

BIOCHEM302 - Introductory Biochemistry II

**Subject**  
BIOCHEM

**Catalog Number**  
302

**Title**  
Introductory Biochemistry II

**Description**  
Structure, function, and biosynthesis of biological macromolecules and regulation of their synthesis. Intermediary metabolism and metabolic utilization of energy. Biochemistry of biological membranes, receptors, and signal transduction via membrane receptors. Prerequisite: organic chemistry and Biochemistry 301.

BIOCHEM393 - Research Independent Study

**Subject**  
BIOCHEM

**Catalog Number**  
393

**Title**  
Research Independent Study

**Description**  
Individual research in a field of special interest, under the supervision of a faculty member, the major product of which is a substantive paper or written report containing significant analysis and interpretation of a previously approved topic. Open to first-year students and sophomores with consent of supervising instructor.

BIOETHIC282 - Science, Ethics, & Democracy

**Subject**  
BIOETHIC

**Catalog Number**  
282

**Title**  
Science, Ethics, & Democracy

**Description**  
Examines relationships between scientific knowledge, ethics, & formation of public policies in a democratic society. Science influences public policy & public policy shapes scientific enterprise. How can citizens reliably identify genuine scientific expertise? If scientific expertise conflicts with religious views of some citizens, can public policy rely on scientific expertise without violating principles of religious toleration? What are ethical rules of public deliberation—must citizens appeal only to reasons accessible from secular viewpoints? To what extent should science goals be shaped by scientific community versus democratic processes?
BIOETHIC390S - Special Topics
Subject: BIOETHIC
Catalog Number: 390S
Title: Special Topics
Description: Topics vary each semester.

BIOLOGY128FS - Evolutionary Genomics: Who Are We, Where Have We Been, and Where Are We Going?
Subject: BIOLOGY
Catalog Number: 128FS
Title: Evolutionary Genomics: Who Are We, Where Have We Been, and Where Are We Going?
Description: We are now more than a decade into the genomics revolution that generated data allowing us to gaze into our past, present, and future in ways that were beyond imagining when Darwin's theory of Natural Selection was first introduced. The unification of genomic data, bioinformatics, and evolutionary theory has transformed our understanding of human history, our place within the Tree of Life, and the impact that our species is having on those with whom we share the planet. This course will use the primary literature to familiarize students with the multifaceted power of genomics, with a slant towards examining human history and disease from an evolutionary perspective. Open only to students in the Focus Program.

BIOLOGY138FS - Evolution, Ecology, and Genomics of Symbiotic Interactions
Subject: BIOLOGY
Catalog Number: 138FS
Title: Evolution, Ecology, and Genomics of Symbiotic Interactions
Description: Symbiotic interactions are the norm rather than the exception in the natural world, yet species are usually seen and studied independently from each other. Here we explore the symbiotic connectivity among microbes and their hosts, ranging from parasitism to mutualism, by addressing questions at the junction of evolutionary biology, ecology, and genomics. Multidisciplinary research on microbiome model systems often translate to major medical advancements. One main goal of this course is for students to experience how scientists do, and think about, research. Readings will focus on primary research articles.

BIOLOGY148FS - Evolution, ecology, and genomics of symbiotic interactions
Subject: BIOLOGY
Catalog Number: 148FS
Title: Evolution, ecology, and genomics of symbiotic interactions
Description: Symbiotic interactions are the norm rather than the exception in the natural world, yet species are usually seen and studied independently from each other. Here we explore the symbiotic connectivity among microbes and their hosts, ranging from parasitism to mutualism, by addressing questions at the junction of evolutionary biology, ecology, and genomics. Multidisciplinary research on microbiome model systems often translate to major medical advancements. One main goal of this course is for students to experience how scientists do, and think about, research. Readings will focus on primary research articles.
### BIOLOGY153 - Climate, Coffee, and Coronavirus: Why Ecology Matters to Human Health

**Subject** | Biology  
**Catalog Number** | 153  
**Title** | Climate, Coffee, and Coronavirus: Why Ecology Matters to Human Health  

**Description**

This course explores interactions between organisms and their environments that impact human health. We will examine the effects of climate change and human population growth on our food supply, water availability, the spread of disease, and ecosystem services. Case studies will be used to illustrate the scientific process, to evaluate supporting evidence, and to investigate ethical issues. For nonmajors. Not open to students who have taken Biology 209-1 or Biology 209S-1.

### BIOLOGY153S - Climate, Coffee, & Coronavirus: Why Ecology Matters to Human Health

**Subject** | Biology  
**Catalog Number** | 153S  
**Title** | Climate, Coffee, & Coronavirus: Why Ecology Matters to Human Health  

**Description**

This course explores interactions between organisms and their environments that impact human health and wellbeing. We will examine the effects of climate change and human population growth on our food supply, water availability, the spread of disease, and ecosystem services. Case studies will be used to illustrate the scientific process, to evaluate supporting evidence, and to investigate ethical issues. Cross-listed between Biology, Global Health, and Environmental Studies and the fall seminar is affiliated with a Duke Immerse Cluster: Pandemics, Health & Power. Not open to students who have taken Biology 209-1 or Biology 209S-1.

### BIOLOGY154 - AIDS and Other Emerging Diseases

**Subject** | Biology  
**Catalog Number** | 154  
**Title** | AIDS and Other Emerging Diseases  

**Description**

Explores the interaction of biology and culture in creating and defining diseases through an investigation of acquired immunodeficiency syndrome (AIDS) and other emerging diseases: molecular biology, biology of transmission and infection, the role of people and culture in the evolution of infectious diseases; reasons for the geographic variations in disease. The inductive-deductive methodology of science is both used to develop and test hypotheses as well as examined itself as an analytical tool. Intended for nonmajors.

### BIOLOGY155S - Where Did Food Come From? The Ecology of Farming

**Subject** | Biology  
**Catalog Number** | 155S  
**Title** | Where Did Food Come From? The Ecology of Farming  

**Description**

Ecological examination of subsistence and industrial farming, beginning with pre-agricultural ecological conditions in the paleolithic and neolithic and the transition to food production across geographic regions. Topics include optimal foraging/diet selection, climate change, and plant/animal domestication. Discussions of water, fertilizer, technology, and ethics in today’s globalized industrial farming.
# BIOLOGY156S - Environmental Justice and Equity

**Subject**  
BIOLOGY

**Catalog Number**  
156S

**Title**  
Environmental Justice and Equity

**Description**  
The EPA describes environmental justice as 'no population due to policy or economic disempowerment, is forced to bear a disproportionate burden of negative human health or environmental impacts of pollution.' Examples include evidence demonstrating that low wealth communities have less tree cover, a deficit that leads to higher cardiopulmonary health issues. Course explores environmental justice in the U.S.. Topics covered include crime and stress, food security, air and water quality, park provisioning, environmental gentrification, and environment-related maladies. Course uses team-based learning.

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# BIOLOGY157 - The Dynamic Oceans

**Subject**  
BIOLOGY

**Catalog Number**  
157

**Title**  
The Dynamic Oceans

**Description**  
The oceans and their impact on the Earth's surface, climate, and society. Topics include seafloor evolution, marine hazards, ocean currents and climate, waves and beach erosion, tides, hurricanes/cyclones, marine life and ecosystems, and marine resources. Emphasis on the historical, society and economic roots of oceanography, the formulation and testing of hypotheses, quantitative assessment of data, and technological developments that lead to understanding of current and future societal issues involving the oceans.

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# BIOLOGY158 - Plants and Human Use

**Subject**  
BIOLOGY

**Catalog Number**  
158

**Title**  
Plants and Human Use

**Description**  
Historical and present interactions between humans and plants like coffee, tea, sugar, opium, pepper, potato and hemp, illustrating major changes in human civilization and cultures as a result. Social economic, trade, exploration, spiritual, medicinal, and plant structural and chemical reasons underlying the pivotal roles certain plant species have played in the development of human culture and technology. Case studies of different plant commodities (products) revealing these biological and historical interactions. For nonmajors.

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# BIOLOGY159 - The Future of the Oceans: From Science to Policy

**Subject**  
BIOLOGY

**Catalog Number**  
159

**Title**  
The Future of the Oceans: From Science to Policy

**Description**  
The ocean covers two-thirds of the planet, forming the backbone of healthy ecosystems and many growing economies worldwide. Despite this importance, we know far less about the oceans than terrestrial environments. This course provides an overview of why the oceans matter, including the many ways people use and depend on the oceans. We will discuss the major issues that threaten our oceans, and students will explore emerging solutions to these challenges of changing ocean use using market-based, scientific, and policy approaches. Course will include an optional weekend field trip to the Duke Marine Lab in Beaufort.
### BIOLOGY180FS - Global Diseases

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<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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<tbody>
<tr>
<td>BIOLOGY</td>
<td>180FS</td>
<td>Global Diseases</td>
</tr>
</tbody>
</table>

**Description**
Biological, social, and cultural factors impacting global disease spread and/or reduction; current challenges in vaccination and disease control programs. Open only to students in the Focus Program.

### BIOLOGY189FS - Biological Impact of Racism and the Legacy of John Henry

<table>
<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOLOGY</td>
<td>189FS</td>
<td>Biological Impact of Racism and the Legacy of John Henry</td>
</tr>
</tbody>
</table>

**Description**
Racial differences in health outcomes and their social, historical, and epigenetic origins. The biological impact of the experience of racism on Black, Indigenous, Asian, and Latinx people as well as newly acculturating immigrants. How the stress of racism is codified in biological systems including increased inflammation; changes in gene expression; alterations in immune function; placental functioning; telomere shortening, physiological 'weathering'; and possible changes in life history. Research on how to build resiliency and mechanisms for managing stress. Offered only in the Focus Program.

### BIOLOGY190 - Special Topics in Biology

<table>
<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOLOGY</td>
<td>190</td>
<td>Special Topics in Biology</td>
</tr>
</tbody>
</table>

**Description**
Special topics in Biology, intended for non-majors. Topics vary by term.

### BIOLOGY190FS - Focus Program Topics in Biology

<table>
<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>BIOLOGY</td>
<td>190FS</td>
<td>Focus Program Topics in Biology</td>
</tr>
</tbody>
</table>

**Description**
Open only to students in the Focus Program; for first-year students with consent of instructor.

### BIOLOGY190S - Topics in Modern Biology

<table>
<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>BIOLOGY</td>
<td>190S</td>
<td>Topics in Modern Biology</td>
</tr>
</tbody>
</table>

**Description**
Occasional seminars in various topics in biology. Intended for nonmajors.

### BIOLOGY20 - General Biology

<table>
<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>BIOLOGY</td>
<td>20</td>
<td>General Biology</td>
</tr>
</tbody>
</table>

**Description**
Pre-matriculation credit awarded for a score of 4 on the College Board AP Examination (or the equivalent).
### BIOLOGY201 - Gateway to Biology: Molecular Biology

<table>
<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOLOGY</td>
<td>201</td>
<td>Gateway to Biology: Molecular Biology</td>
</tr>
</tbody>
</table>

**Description**
Introduces major concepts in biology through the lens of molecular biology. Molecular mechanisms that comprise the Central Dogma and variants. DNA structure and function, replication, transcription, and translation. Protein synthesis, folding, structure and function. Supporting topics related to the structure of cells, metabolism and energetics. Integration of physical and quantitative principles to molecular biology. Relevance to human diseases and the biotechnology industry. Prerequisite: Chemistry 21, 21L, 101DL, 110DL, or 201DL. Not open to students who have taken or are currently enrolled in Biology 203L.

### BIOLOGY201D - Gateway to Biology: Molecular Biology

<table>
<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOLOGY</td>
<td>201D</td>
<td>Gateway to Biology: Molecular Biology</td>
</tr>
</tbody>
</table>

**Description**
Non-laboratory version of Biology 201L. Introduces major concepts in biology through the lens of molecular biology. Molecular mechanisms that comprise the Central Dogma and variants. DNA structure and function, replication, transcription, and translation. Protein synthesis, folding, structure and function. Supporting topics related to the structure of cells, metabolism and energetics. Integration of physical and quantitative principles to molecular biology. Relevance to human diseases and the biotechnology industry. Prerequisite: Chemistry 21, 21L, 101DL, 110DL, or 201DL. Not open to students who have taken Biology 201L/201LA. Taught online.

### BIOLOGY201DA - Gateway to Biology: Molecular Biology

<table>
<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOLOGY</td>
<td>201DA</td>
<td>Gateway to Biology: Molecular Biology</td>
</tr>
</tbody>
</table>

**Description**
Non-laboratory version of Biology 201L taught at the Duke Marine Lab. Prerequisite: Chemistry 21, 21L, 101DL, 110DL, or 201DL. Not open to students who have taken Biology 201L/Biology 201LA.

### BIOLOGY201L - Gateway to Biology: Molecular Biology

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<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>BIOLOGY</td>
<td>201L</td>
<td>Gateway to Biology: Molecular Biology</td>
</tr>
</tbody>
</table>

**Description**
Introduces major concepts in biology through the lens of molecular biology. Molecular mechanisms that comprise the Central Dogma and variants. DNA structure and function, replication, transcription, and translation. Protein synthesis, folding, structure and function. Supporting topics related to the structure of cells, metabolism and energetics. Integration of physical and quantitative principles to molecular biology. Relevance to human diseases and the biotechnology industry. Laboratory includes an introduction to recombinant DNA technology. Prerequisite: Chemistry 21, 21L, 101DL, 110DL, or 201DL. Not open to students who have taken or are currently enrolled in Biology 201, 201D or 203L.
**BIOLOGY201L9 - Molecular Biology Lab**

**Subject**: BIOLOGY  
**Catalog Number**: 201L9  
**Title**: Molecular Biology Lab

**Description**
Stand-alone lab section equivalent to laboratory component of Biology 201L. Open only to students who previously completed the non-lab version Biology 201 or Biology 201D.

---

**BIOLOGY201LA - Gateway to Biology: Molecular Biology**

**Subject**: BIOLOGY  
**Catalog Number**: 201LA  
**Title**: Gateway to Biology: Molecular Biology

**Description**
Introduces major concepts in biology through the lens of molecular biology. Molecular mechanisms that comprise the Central Dogma and variants. DNA structure and function, replication, transcription, and translation. Protein synthesis, folding, structure and function. Supporting topics related to the structure of cells, metabolism and energetics. Integration of physical and quantitative principles to molecular biology. Relevance to human diseases and the biotechnology industry. Laboratory includes an introduction to recombinant DNA technology. 
Prerequisite: Chemistry 21, 21L, 101DL, 110DL, or 201DL. Not open to students who have taken or are currently enrolled in Biology 203L. Taught in Beaufort at Duke Marine Lab.

---

**BIOLOGY202L - Gateway to Biology: Genetics and Evolution**

**Subject**: BIOLOGY  
**Catalog Number**: 202L  
**Title**: Gateway to Biology: Genetics and Evolution

**Description**
Introduction to principles transmission genetics and evolution. Includes Mendelian and non-Mendelian inheritance, quantitative genetics, genetic mapping, evidence for evolution, natural selection, genetic drift, kin selection, speciation, molecular evolution, phylogenetic analysis. Relevance to human family and social structure, evolution of infectious disease, human hereditary disorders, social implications of genetic knowledge. Not open to students who have taken or are currently enrolled in Biology 203L.

---

**BIOLOGY202LA - Gateway to Biology: Genetics and Evolution**

**Subject**: BIOLOGY  
**Catalog Number**: 202LA  
**Title**: Gateway to Biology: Genetics and Evolution

**Description**
Introduction to principles transmission genetics and evolution. Includes Mendelian and non-Mendelian inheritance, quantitative genetics, genetic mapping, evidence for evolution, natural selection, genetic drift, kin selection, speciation, molecular evolution, phylogenetic analysis. Relevance to human family and social structure, evolution of infectious disease, human hereditary disorders, social implications of genetic knowledge. Not open to students who have taken or are currently enrolled in Biology 203L. Taught in Beaufort at Duke Marine Lab.
**BIOLOGY 203L - Gateway to Biology: Molecular Biology, Genetics & Evolution**

<table>
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<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOLOGY</td>
<td>203L</td>
<td>Gateway to Biology: Molecular Biology, Genetics &amp; Evolution</td>
</tr>
</tbody>
</table>

**Description**

Major concepts in modern biology through the lens of molecular biology, genetics and evolution. The structure and function of genes at the molecular, organismal, and population level. Molecular mechanisms including replication, transcription, translation, and DNA mutation and repair. Mendelian and non-Mendelian inheritance, genetic mapping, evidence for evolution, natural selection, genetic drift, speciation, molecular evolution, phylogenetic analysis. Relevance to human diseases, social implications of genetics and biotechnology. Prerequisite: Biology 21 and Chemistry 21, 21L, 101DL, 110DL, or 201DL. Not open to students who have taken or are currently enrolled in Biology 201L or 202L.

**BIOLOGY 205 - Marine Megafauna**

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<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>BIOLOGY</td>
<td>205</td>
<td>Marine Megafauna</td>
</tr>
</tbody>
</table>

**Description**

Ecology, systematics, and behavior of large marine animals including giant squid, bony fishes, sharks, sea turtles, seabirds, and marine mammals. Relations between ocean dynamics, large marine animals, and their role in ocean food webs. Impact of human activities and technological advancement on populations. Economic, social, and policy considerations in the protection of threatened species. Prerequisite: AP Biology, Introductory Biology, or consent of the instructor.

**BIOLOGY 207 - Organismal Evolution**

<table>
<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOLOGY</td>
<td>207</td>
<td>Organismal Evolution</td>
</tr>
</tbody>
</table>

**Description**

Exploration of the diversity of life by emphasizing evolutionary, structural, and functional aspects of the major lineages of bacteria, plants, protists, animals and fungi.

**BIOLOGY 208FS - Computing on the Genome: An Introduction to Genomics and Bioinformatics**

<table>
<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOLOGY</td>
<td>208FS</td>
<td>Computing on the Genome: An Introduction to Genomics and Bioinformatics</td>
</tr>
</tbody>
</table>

**Description**

This course will provide an introduction to key concepts in the genome sciences, using tools and concepts from computational biology and bioinformatics. Topics to be covered include genome structure, function, variation, and evolution. Students will learn computational and statistical methods for describing and quantifying various aspects of genome biology and will apply these tools to real world data. Recommended prerequisite: familiarity with molecular biology concepts such as DNA replication, transcription, and translation. No prior programming experience is required. Open only to Focus Program students.
<table>
<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOLOGY</td>
<td>209-1</td>
<td>The Ecology of Human Health</td>
<td>Humans are the dominant species on Earth and ecology is key to understanding the multiple feedbacks through which their activities affect human health. Fundamental principles of ecology, from population to ecosystem levels, will be examined through the lens of human health. Topics include human population growth and carrying capacity, why we age, infectious disease dynamics, the microbiome and human health, sustainable agriculture and food security, sustainable harvest of wild foods, dynamics of pollutants in food webs, ecosystem services to humans, and human impacts of climate change. Not open to students who have taken Biology 209 or Biology 209D-2.</td>
</tr>
<tr>
<td>BIOLOGY</td>
<td>209-2</td>
<td>Ecology for a Changing Planet</td>
<td>Human activities are fundamentally altering our landscapes and our atmosphere. The science of ecology is central to our ability to sustain populations of organisms, regional and global biodiversity, and the provision of critical ecosystem services. Course emphasizes critical analysis of ecological data and the design and interpretation of ecological experiments and models. Students will become well equipped to evaluate environmental science as it is reported in the popular press. Not open to students who have credit for Biology 209D-2, 209S-1, or 209-1.</td>
</tr>
<tr>
<td>BIOLOGY</td>
<td>209-3</td>
<td>The Ecology of Human Health</td>
<td>Non-seminar version of Bio 209S-1. Instructor consent required.</td>
</tr>
<tr>
<td>BIOLOGY</td>
<td>209D-2</td>
<td>Ecology for a Changing Planet</td>
<td>Human activities are fundamentally altering our landscapes and our atmosphere. The science of ecology is central to our ability to sustain populations of organisms, regional and global biodiversity, and the provision of critical ecosystem services. Course emphasizes critical analysis of ecological data and the design and interpretation of ecological experiments and models. Students will become well equipped to evaluate environmental science as it is reported in the popular press. Not open to students who have credit for Biology 209 or 209-1.</td>
</tr>
</tbody>
</table>
### BIOLOGY209S-1 - The Ecology of Human Health

**Subject** | **Catalog Number** | **Title** |
--- | --- | --- |
BIOLOGY | 209S-1 | The Ecology of Human Health |

**Description**
Humans are the dominant species on Earth and ecology is key to understanding the multiple feedbacks through which their activities affect human health. Fundamental principles of ecology, from population to ecosystem levels, will be examined through the lens of human health. Topics include human population growth and carrying capacity, why we age, infectious disease dynamics, the microbiome and human health, sustainable agriculture and food security, sustainable harvest of wild foods, dynamics of pollutants in food webs, ecosystem services to humans, and human impacts of climate change. Not open to students who have taken Biology 209-1 or 209D-2.

### BIOLOGY21 - General Biology

**Description**
Pre-matriculation credit awarded for a score of 5 on the College Board AP Examination (or the equivalent). Students may place into Biology 203L.

### BIOLOGY212 - General Microbiology

**Description**
Classical and modern approaches to the study of microorganisms and their roles/applications in everyday life, medicine, research, and the environment. Microbial cell structure, function, growth, genetics, metabolism, evolution, and ecology. Study of disease, infection, and immunology. Introduction to virology. Recommended for many pre-health programs. Recommended prerequisite: one course in a biological science.

### BIOLOGY212L - General Microbiology Lab

**Description**
Standalone lab equivalent to laboratory component of Biology 212L. Open only to students who previously completed the non-lab version Biology 212.

### BIOLOGY213D - Cell Signaling and Diseases

**Description**
During the past several decades, exploration in basic research has yielded extensive knowledge about the numerous and intricate signaling processes involved in the development and maintenance of a functional organism. In order to demonstrate the importance and processes of cellular communication, this course will focus on cell signaling mechanisms and diseases resulting from their malfunction, such as cancer, stroke, and neuron degeneration (including Parkinson’s disease, Alzheimer’s disease, Huntington’s disease, and Amyotrophic lateral sclerosis). Students will be exposed to current literature and cutting edge knowledge. Recommended prerequisite: Biology 201L or 203L.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOLOGY218</td>
<td>BIOLOGY</td>
<td>218</td>
<td>Biological Clocks: How Organisms Keep Time</td>
<td>From sleep/wake cycles to flower openings to cell division and malaria infections, all organisms and cells display rhythmic behaviors. The course will focus on genetic and molecular networks that comprise clocks regulating cell division and circadian rhythms. Quantitative aspects of clock networks will be examined from the perspective of data analysis and dynamical systems models. Class will include lectures, primary literature readings, and in-class projects. Recommended prerequisite: Math 112L or equivalent, and Biology 20, 21, 201L, or 203L.</td>
</tr>
<tr>
<td>BIOLOGY220</td>
<td>BIOLOGY</td>
<td>220</td>
<td>Cell Biology</td>
<td>The role of genes and proteins in mediating basic cellular processes. Topics include: structure and function of cellular membranes and organelles; protein targeting and transport; signal transduction; role of the cytoskeleton in cell shape and motility; function of the immune system; genetic regulation of cell growth/division and the relationship to cancer. Recommended prerequisite: Biology 201L or 203L.</td>
</tr>
<tr>
<td>BIOLOGY221D</td>
<td>BIOLOGY</td>
<td>221D</td>
<td>Developmental Biology: Development, Stem Cells, and Regeneration</td>
<td>Mechanisms of fertilization, control of cell divisions, diversification of cell types, organization and differentiation of cells and tissues of the organism, and patterning necessary to establish the body plan of many organisms including vertebrates, invertebrates and plants. Included among these mechanisms are the roles of transcription factors in controlling the trajectories toward tissues, signal transduction, morphogenetic movements, and other mechanisms used by different plants and animals to build a functional adult. Also includes stem cell biology, regeneration of tissues, sex determination, and evolutionary mechanisms of diversification. Recommended prerequisite: Biology 201L or 203L or equivalent.</td>
</tr>
<tr>
<td>BIOLOGY223</td>
<td>BIOLOGY</td>
<td>223</td>
<td>Cellular and Molecular Neurobiology</td>
<td>This course will cover the molecular and cellular components underlying nervous system function. Topics include: the regulation of the neuronal cytoskeleton, process outgrowth and axon guidance, transport mechanisms, the generation and propagation of the action potential, components of the presynaptic and postsynaptic terminals, growth factors in development and regeneration, neuronal stem cells, and sensory signal transduction. Lectures by the instructor and expert guests, with regular readings of current and/or historical primary literature. Recommended prerequisite: Biology 20, 21, 201L or 203L or equivalent, and Neuroscience 101/Psychology 106 or Neuroscience 102/Psychology 107.</td>
</tr>
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</table>
### BIOLOGY224 - Fundamentals of Neuroscience

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<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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<tbody>
<tr>
<td>BIOLOGY</td>
<td>224</td>
<td>Fundamentals of Neuroscience</td>
</tr>
</tbody>
</table>

**Description**

Course covers broad and rapidly evolving field of neuroscience encompassing questions about how humans and other animals experience their world. Learners explore the organization of neural systems that sense our environment, plan and execute complex movements, encode and retrieve memories, and experience a wide range of emotions. Learners examine brain development and how changes in structure and function underlie impacts of neurological and psychiatric disorders. Not recommended for first-year students.

Prerequisite: Biology 20, 201L, 202L, or 203L and Chemistry 20, 21, 101DL, or 110DL -or-concurrent enrollment in Biology 201L, 202L, or 203L and concurrent enrollment in Chemistry 101DL or 110DL.

### BIOLOGY228S - Food and Fuel for a Growing Population: Nuts and Bolts of Plant Growth and Production

<table>
<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>BIOLOGY</td>
<td>228S</td>
<td>Food and Fuel for a Growing Population: Nuts and Bolts of Plant Growth and Production</td>
</tr>
</tbody>
</table>

**Description**

Covers primary physiological processes from subcellular to whole plant that affect plant growth in a changing environment. Processes include photosynthesis, respiration, water relations, nutrient and carbohydrate allocation, signaling, and stress responses to various biotic and abiotic factors for a range of plant species adapted to different environments. Applications include plant improvement for food and biofuel production, management of plant growth in response to global change. Offered through the DukeImmerse program. Will include travel to farms in NC locally, to the mountains, and to the coast. Recommended prerequisite: Biology 201L, 202L, or 203L. Instructor consent required.

### BIOLOGY248D - Evolution of Animal Form

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<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>BIOLOGY</td>
<td>248D</td>
<td>Evolution of Animal Form</td>
</tr>
</tbody>
</table>

**Description**

The course explores three views of the evolution of form: the Darwinian view which stresses function; the historicist view which emphasizes historical accident; and the structuralist view that form is mainly the result of fixed mathematical relationships. We also review the history of life, including major events such as the origin of life and of the eukaryotic cell, the Cambrian explosion, and the major mass extinctions. Recommended prerequisite: Biology 20, 21, 202L or 203L.

### BIOLOGY251L - Molecular Evolution

<table>
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<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>BIOLOGY</td>
<td>251L</td>
<td>Molecular Evolution</td>
</tr>
</tbody>
</table>

**Description**

Evolution of genes, gene families, and genomes and relation to their structure, function and history. Contemporary computer-based analysis of nucleic acid and protein evolution including: BLAST searches; sequence alignment; estimation of rates, patterns, types of substitution; interpreting evolutionary changes in structure-function relations; protein homology modeling; visualizing and annotating protein structure. Recommended prerequisite: Biology 201L, 203L, or consent of the instructor.
Duke University

**BIOLOGY255 - Philosophy of Biology**

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<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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<tbody>
<tr>
<td>BIOLOGY</td>
<td>255</td>
<td>Philosophy of Biology</td>
</tr>
</tbody>
</table>

**Description**

An introduction to conceptual and methodological issues raised in contemporary biology, including reductionism, the meaning of chance, laws in biology, the units of natural selection, teleology, and the structure of evolutionary theory. Recommended prerequisite: AP biology or introductory biology.

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**BIOLOGY260S - Genetics and Genomics of Human Variation**

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<th>Catalog Number</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>BIOLOGY</td>
<td>260S</td>
<td>Genetics and Genomics of Human Variation</td>
</tr>
</tbody>
</table>

**Description**

Research over the last 50 years has demonstrated that the human species is characterized by low genetic diversity and extensive recombination. Yet, social constructions of ‘race’ based on phenotypic differences are ingrained in our understanding of how humans vary. This course will uncover how the human species varies at the genetic and genomic levels, in the context of other primate species. Given this background, we will discuss the social construction of ‘race’ and the intersection of macroevolution, genetics, and phenotype. Finally, we will explore current research that suggests a genetic or epigenetic basis for perceived racial health disparities and outcomes in biomedicine. Open only to Duke Immerse students. Instructor consent required.

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**BIOLOGY261D - Race, Genomics, and Society**

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<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>BIOLOGY</td>
<td>261D</td>
<td>Race, Genomics, and Society</td>
</tr>
</tbody>
</table>

**Description**

The field of genetics has been at the forefront of discourse concerning the concept of ‘race’ in humans. This course explores human origins, human variation, human identity, and human health through a broad range of enduring and emerging themes and challenging questions related to race and genetics (and now, genomics) on a global scale. Students will acquire knowledge and skills required for integrative analyses of the relevant scientific, ethical, legal, societal, cultural, and psychosocial issues. Open to students at all levels from any discipline in the arts, humanities, and sciences (natural, social, formal, and applied).

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**BIOLOGY262 - People, Plants and Pollution: Introduction to Urban Environments**

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<tr>
<th>Subject</th>
<th>Catalog Number</th>
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</thead>
<tbody>
<tr>
<td>BIOLOGY</td>
<td>262</td>
<td>People, Plants and Pollution: Introduction to Urban Environments</td>
</tr>
</tbody>
</table>

**Description**

Cities turn natural lands into impervious surfaces, like roofs and parking lots, while trees, forests, and grass decrease. Course covers urban environmental issues, including energy and carbon, air, heat, and water pollution, the health and welfare of people, and changes in other species and regional/global climatic patterns. Examines costs/benefits of urban nature on solving urban environmental problems, including enhancing the social welfare of people’s lives.
BIOLOGY263 - Biological Responses to Climate Change

**Subject**  
BIOLOGY

**Catalog Number**  
263

**Title**  
Biological Responses to Climate Change

**Description**  
Lecture/discussion course on how organisms, populations, and biological communities are expected to respond to climate change. Topics include evidence for effects of climate change on organisms, how to experimentally test for potential effects of climate change, ecological and evolutionary mechanisms that organisms have—or do not have—that enable them to respond to climate change, community responses to climate change. Recommended prerequisite: Biology 202L or 203L.

BIOLOGY263-1 - Biological Responses to Climate Change

**Subject**  
BIOLOGY

**Catalog Number**  
263-1

**Title**  
Biological Responses to Climate Change

**Description**  
Climate change is happening now. This course will focus on how organisms, populations, and biological communities are expected to respond to climate change. While reading the primary literature, we will discuss evidence for effects of climate change on organisms, how to experimentally test for potential effects of climate change, and the ecological and evolutionary mechanisms that organisms have—or do not have—that enable them to respond to climate change. Non-W version of Biology 263. Not available to students who have taken Biology 263. Recommended prerequisite: Bio 202L or Bio 203L.

BIOLOGY267D - Behavioral Ecology and the Evolution of Animal Behavior

**Subject**  
BIOLOGY

**Catalog Number**  
267D

**Title**  
Behavioral Ecology and the Evolution of Animal Behavior

**Description**  
How animal behavior is shaped by natural selection, historical factors, and ecological constraints. These factors considered in the context of mating systems, parental care, foraging, and other current issues in behavior. Recommended prerequisite: Biology 202L or 203L.

BIOLOGY267D-1 - Behavioral Ecology and the Evolution of Animal Behavior

**Subject**  
BIOLOGY

**Catalog Number**  
267D-1

**Title**  
Behavioral Ecology and the Evolution of Animal Behavior

**Description**  
How animal behavior is shaped by natural selection, historical factors, and ecological constraints. These factors considered in the context of mating systems, parental care, foraging, and other current issues in behavior. Does not carry codes for research- (R) or writing- (W) intensive course. Recommended prerequisite: Biology 202L or 203L.

BIOLOGY268 - Mechanisms of Animal Behavior

**Subject**  
BIOLOGY

**Catalog Number**  
268

**Title**  
Mechanisms of Animal Behavior

**Description**  
Survey of causal factors underlying the expression of animal behavior, organized around common problems organisms need to solve, such as finding food, avoiding predation, determining when and with whom to reproduce, communicating with other organisms, and extracting information from the environment. These factors are examined from an integrative perspective that includes neurobiology, endocrinology, sensory physiology, genetics, developmental biology, and functional morphology. Prerequisite: Biology 202L, 202LA, or 203L.

BIOLOGY268D - Mechanisms of Animal Behavior

**Subject**  
BIOLOGY

**Catalog Number**  
268D

**Title**  
Mechanisms of Animal Behavior

**Description**  
Survey of causal factors underlying the expression of animal behavior, organized around common problems organisms need to solve, such as finding food, avoiding predation, determining when and with whom to reproduce, communicating with other organisms, and extracting information from the environment. These factors are examined from an integrative perspective that includes neurobiology, endocrinology, sensory physiology, genetics, developmental biology, and functional morphology. Prerequisite: Biology 202L, 202LA, or 203L.
BIOLOGY270 - Conservation Biology and Policy

**Subject**: BIOLOGY
**Catalog Number**: 270
**Title**: Conservation Biology and Policy

**Description**
Introduction to the key concepts of ecology and policy relevant to conservation issues at the population to ecosystems level. Focus on the origin and maintenance of biodiversity and conservation applications from both the biology and policy perspectives (for example, endangered species, captive breeding, reserve design, habitat fragmentation, ecosystem restoration/rehabilitation). Recommended prerequisite: introductory biology and a policy and/or introductory ecology course.

BIOLOGY270A - Conservation Biology and Policy

**Subject**: BIOLOGY
**Catalog Number**: 270A
**Title**: Conservation Biology and Policy

**Description**
Introduction to the key concepts of ecology and policy relevant to conservation issues at the population to ecosystems level. Focus on the origin and maintenance of biodiversity and conservation applications from both the biology and policy perspectives (for example, endangered species, captive breeding, reserve design, habitat fragmentation, ecosystem restoration/rehabilitation). Taught in Beaufort at Duke Marine Lab. Recommended prerequisite: introductory biology and a policy and/or introductory ecology course.

BIOLOGY271 - Marine Biology and Ecology: Fantastic Sea Creatures and Where to Find Them

**Subject**: BIOLOGY
**Catalog Number**: 271
**Title**: Marine Biology and Ecology: Fantastic Sea Creatures and Where to Find Them

**Description**
Broad foundational knowledge of marine biology with an emphasis on ecology and evolution of marine organisms. Core areas include biodiversity, adaptations to marine environments, population & community ecology, ecosystem processes and services, and human forcing in marine systems. Survey of biodiversity in marine systems spanning microbes to marine mammals, emphasizing taxonomy, habitats and evolutionary history. Explore how marine communities interact with the physical environment to generate ecosystems and accompanying services spanning coastal/estuarine, blue water, and the deep sea. Examine population dynamics, population interactions and the consequences of those interactions.

BIOLOGY272A - Analysis of Ocean Ecosystems

**Subject**: BIOLOGY
**Catalog Number**: 272A
**Title**: Analysis of Ocean Ecosystems

**Description**
The history, utility, and heuristic value of the ecosystem; ocean systems in the context of Odum's ecosystem concept; structure and function of the earth's major ecosystems. Taught in Beaufort at Duke Marine Lab. Prerequisite: one year of biology, one year of chemistry, or consent of instructor.
**BIOLOGY273L - Marine Ecology**

Subject: BIOLOGY  
Catalog Number: 273L  
Title: Marine Ecology  

**Description**

Distribution, abundance, and diversity of marine organisms, including a survey of the major flora and fauna in the marine environment, including physical characteristics, adaptation to environment, species interactions, biogeography, larval recruitment, and biodiversity and conservation of communities found in rocky shores, tidal flats, beaches, marshes, mangrove, coral reefs, and subtidal areas. Lectures, field excursions, lab exercises and an independent project. Taught fall, spring, and summer; spring enrollment requires travel. Recommended prerequisite: AP biology or introductory biology.

**BIOLOGY273LA - Marine Ecology**

Subject: BIOLOGY  
Catalog Number: 273LA  
Title: Marine Ecology  

**Description**

Distribution, abundance, and diversity of marine organisms, including a survey of the major flora and fauna in the marine environment, including physical characteristics, adaptation to environment, species interactions, biogeography, larval recruitment, and biodiversity and conservation of communities found in rocky shores, tidal flats, beaches, marshes, mangrove, coral reefs, and subtidal areas. Lectures, field excursions, lab exercises and an independent project. Taught in Beaufort at Duke Marine Lab. Taught fall, spring, and summer; spring enrollment requires travel. Recommended intro bio or AP Bio credit. Instructor consent required, visit DUML website for details.

**BIOLOGY278L - Comparative Physiology of Marine Animals**

Subject: BIOLOGY  
Catalog Number: 278L  
Title: Comparative Physiology of Marine Animals  

**Description**

Physiology of marine animals with emphasis on comparisons between marine vertebrates and humans. Focus on physiological processes including gas exchange, circulation, osmoregulation, metabolism, thermoregulation, endocrine, neural control and sensory systems. Lectures and laboratories illustrate the methodology, analysis techniques, and written reporting of physiological research. Taught fall, spring, and summer. Recommended prerequisite: AP biology, introductory biology, or consent of the instructor.

**BIOLOGY278LA - Comparative Physiology of Marine Animals**

Subject: BIOLOGY  
Catalog Number: 278LA  
Title: Comparative Physiology of Marine Animals  

**Description**

Physiology of marine animals with emphasis on comparisons between marine vertebrates and humans. Focus on physiological processes including gas exchange, circulation, osmoregulation, metabolism, thermoregulation, endocrine, neural control and sensory systems. Lectures and laboratories illustrate the methodology, analysis techniques, and written reporting of physiological research. Taught in Beaufort at Duke Marine Lab. Taught fall, spring, and summer. Prerequisite: AP biology, introductory biology, or consent of the instructor.
BIOLOGY279LA - Sound in the Sea: Introduction to Marine Bioacoustics

Subject: BIOLOGY  
Catalog Number: 279LA  
Title: Sound in the Sea: Introduction to Marine Bioacoustics

Description:
Fundamentals of marine bioacoustics with a focus on current literature and conservation issues. Topics include: introduction to acoustics; acoustic analysis methods and quantitative tools; production and recording of sound; ocean noise; propagation theory, active and passive acoustics; hearing, sound production and communication in marine organisms, potential impacts of anthropogenic noise; and regulation of marine sound. Labs will focus on methodologies used for generating, recording and analyzing marine sounds. Taught in Beaufort at Duke Marine Lab. Prerequisite: AP Biology, introductory biology, or consent of instructor; Physics 141L or 164L (or equivalent Physics courses) or consent of instructor.

BIOLOGY287A - Biodiversity of Alaska

Subject: BIOLOGY  
Catalog Number: 287A  
Title: Biodiversity of Alaska

Description:
Ecology/biodiversity and conservation in Alaska: identification and natural history of native plants and animals including both terrestrial and marine species, biogeographic history and patterns, native American cultures, conservation issues surrounding Alaskan natural resources. Regional, national, and geopolitical issues surrounding development and conservation in Alaska and elsewhere in the arctic. Lectures and discussions complemented by field trips to examine terrestrial, aquatic, and marine ecosystems across the three major Alaskan biomes: coastal rainforest, boreal coniferous forest, arctic/alpine. Taught in Alaska.

BIOLOGY288A - Biogeography in an Australian Context

Subject: BIOLOGY  
Catalog Number: 288A  
Title: Biogeography in an Australian Context

Description:
Distribution of plants and animals in space and time as determined by the interaction of geophysics, geology, climate, and evolutionary history. Special emphasis on the unique terrestrial and marine faunas and florals of the Australian continent and on the impact of humans on the distribution of these plants and animals. Taught in Australia.

BIOLOGY290 - Topics in Biology

Subject: BIOLOGY  
Catalog Number: 290  
Title: Topics in Biology

Description:
Occasional topics in the biological sciences.

BIOLOGY290S - Seminar in Biology

Subject: BIOLOGY  
Catalog Number: 290S  
Title: Seminar in Biology

Description:

BIOLOGY290T - Tutorial

Subject: BIOLOGY  
Catalog Number: 290T  
Title: Tutorial

Description:
Tutorial under supervision of a faculty member for two or more students working on a related topic. Consent of instructor and director of undergraduate studies required.
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<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>BIOLOGY293 - Research Independent Study</td>
<td>293</td>
<td>Research Independent Study</td>
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<td>BIOLOGY293-1 - Research Independent Study</td>
<td>293-1</td>
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<td>BIOLOGY293A - Research Independent Study</td>
<td>293A</td>
<td>Research Independent Study</td>
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<td>BIOLOGY293A-1 - Research Independent Study</td>
<td>293A-1</td>
<td>Research Independent Study</td>
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<tr>
<td>BIOLOGY301 - Introductory Biochemistry I: Intermediary Metabolism</td>
<td>301</td>
<td>Introductory Biochemistry I: Intermediary Metabolism</td>
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<tr>
<td>BIOLOGY306SLA - Evolutionary and Ecological Genetics/Genomics of Marine Mammals</td>
<td>306SLA</td>
<td>Evolutionary and Ecological Genetics/Genomics of Marine Mammals</td>
</tr>
</tbody>
</table>

**BIOLOGY293 - Research Independent Study**

Description: Individual research in a field of special interest, under the supervision of a faculty member, the major product of which is a substantive paper or written report containing significant analysis and interpretation of a previously approved topic. Open to all qualified students with consent of supervising instructor and director of undergraduate studies. May be repeated. Continued in Biology 493.

**BIOLOGY293-1 - Research Independent Study**

Description: Individual research and reading in a field of special interest, under the supervision of a faculty member, resulting in a substantive paper or written report containing significant analysis and interpretation of a previously approved topic. Open to all qualified students with consent of supervising instructor and director of undergraduate studies.

**BIOLOGY293A - Research Independent Study**

Description: Individual research in a field of special interest, under the supervision of a faculty member the major product of which is a substantive paper or written report containing significant analysis and interpretation of a previously approved topic. May be repeated. Continued in Biology 493A. Taught in Beaufort at Duke Marine Lab.

**BIOLOGY293A-1 - Research Independent Study**

Description: Individual research and reading in a field of special interest, under the supervision of a faculty member, resulting in a substantive paper or written report containing significant analysis and interpretation of a previously approved topic. Open to all qualified students with consent of supervising instructor and director of undergraduate studies. Taught in Beaufort at Duke Marine Lab.

**BIOLOGY301 - Introductory Biochemistry I: Intermediary Metabolism**

Description: Chemistry of the constituents of proteins, lipids, carbohydrates, and nucleic acids and their metabolic interrelationships. Recommended prerequisite: two semesters of organic chemistry.

**BIOLOGY306SLA - Evolutionary and Ecological Genetics/Genomics of Marine Mammals**

Description: Current sequencing technologies have revolutionized the fields of molecular, evolutionary, and ecological genetics. The ability to generate an entire genome worth of sequence data in a single instrument run allows us to study whole genomes in a variety of non-model organisms. We will use the genomes of marine mammals to explore the field of genomics. We will begin with basic genomics (i.e. Genome-101), sequencing technologies and bioinformatics, and explore conservation, ecological and evolutionary genetics of marine mammals using literature and publicly available datasets. Biology 201L is recommended but not required. Offered at the Duke University Marine Lab in Beaufort.
**BIOLOGY308A - Oceans in Human and Environmental Health**

**Subject**: BIOLOGY  
**Catalog Number**: 308A  
**Title**: Oceans in Human and Environmental Health

**Description**
Students will gain a grounding in marine sciences to help them to evaluate impacts of anthropogenic activities on marine ecosystems and the humans that rely on them. After developing an understanding of the issues facing environmental and human health and well-being in marine systems, students will travel to the Galapagos to better understand environmental challenges facing biodiversity and tourism hot spot. This course embraces immersive field experiences in North Carolina and the Galapagos to contextualize classroom learning and to develop connections with environmental practitioners and residents. Taught in Beaufort at Duke Marine Lab. Duke Immerse course. Instructor consent is required.

**BIOLOGY309A - Oceans in Human and Environmental Health**

**Subject**: BIOLOGY  
**Catalog Number**: 309A  
**Title**: Oceans in Human and Environmental Health

**Description**
Focus on the concept of 'One Health' that the health of the environment and the people who live in it are linked. The basis (from a biological perspective) of threats facing the marine environment and interactions between environmental and human health and their role in global health disparities. For example, in discussing fisheries and aquaculture, the course will cover environmental impacts of these extractive industries and their importance in human and societal well-being. This course will embrace immersive field experiences in North Carolina that will contextualize classroom learning and develop connections with practitioners and residents. Taught in Beaufort at Duke Marine Lab.

**BIOLOGY309DA - Oceans in Human and Environmental Health**

**Subject**: BIOLOGY  
**Catalog Number**: 309DA  
**Title**: Oceans in Human and Environmental Health

**Description**
Focus on the concept of 'One Health' that the health of the environment and the people who live in it are linked. The basis (from a biological perspective) of threats facing the marine environment and interactions between environmental and human health and their role in global health disparities. For example, in discussing fisheries and aquaculture, the course will cover environmental impacts of these extractive industries and their importance in human and societal well-being. This course will embrace immersive field experiences in North Carolina that will contextualize classroom learning and develop connections with practitioners and residents. Taught in Beaufort at Duke Marine Lab.

**BIOLOGY314 - Regenerative Biology and Medicine**

**Subject**: BIOLOGY  
**Catalog Number**: 314  
**Title**: Regenerative Biology and Medicine

**Description**
Fundamentals, current research, and applications of regenerative biology. Focus on regenerative biology across different tissues and species, ranging from planaria to humans. Clinical applications regenerative biology, including replacing lost, damaged or diseased tissue with new, healthy tissue without organ transplantation. Lectures, readings from the literature, student presentations.
**BIOLOGY 315 - Introduction to Mathematical Modeling in Biology**

**Description**
A first course applying mathematics to biological problems. Topics drawn from cell and molecular biology, molecular evolution, enzyme catalysis, biochemical pathways, ecology, systems biology, and developmental biology. Prerequisite: Mathematics 212 or equivalent. Not open to students with credit for Biology 215.

**BIOLOGY 318 - Human Evolutionary Genetics**

**Description**
An evolutionary perspective on human genetics and genomics, with an emphasis on current models and inference methods using medically important examples. The mechanisms of evolution shaping human genetic variation, as well as inference of evolutionary processes from genetic data. Topics include: population differences in disease risk; adaptation to local environments and pathogens; identifying regions of the genome underlying traits; models of neutral variation, migration, and genetic ancestry. Computational and quantitative skills will be emphasized throughout. Recommended prerequisite: Evolutionary Anthropology 101D, Biology 202, or equivalent; some probability and programming background helpful but not required.

**BIOLOGY 319A - Coastal Watershed Management and Restoration**

**Description**
This course will examine management of coastal watersheds and their biological function, focusing on the positive (restoration) and negative (degradation, eutrophication) ways that humans alter ecosystems. Local field trips are an integral part of this class to examine anthropogenic modifications to coastal ecosystems (e.g. farms, wetland restoration) as well as discussing these issues with stakeholders at NGOs, businesses and government. Taught at the Duke Marine Lab in Beaufort.

**BIOLOGY 321 - Primate Sexuality**

**Description**
A comparative and integrative study of primate sex and reproduction. The material is presented in three sections: the first focuses on primate social organization, mating systems, and reproductive strategies; the second focuses on the endocrine system and behavioral endocrinology, and; the third focuses on sexual differentiation of morphology, brain and behavior. In each section, this course places human sexuality within the broader context of the primate order. Note: course is the same as Evolutionary Anthropology 341 but with an additional required 50 minute discussion. Recommended prerequisite: Evolutionary Anthropology 101D or Biology 202L or 203L.

**BIOLOGY 325 - Current Technologies in Genomics and Precision Medicine**

**Description**
Comprehensive overview of genome science technologies, analytical tools, clinical applications, and related issues. Exposure to a range of technologies currently used in research and some in clinical practice, as well as the tools to interrogate the large data-sets generated by these technologies. Projects will explore the range of datasets publicly available and analysis of genomic datasets. Prerequisite: Biology 201L or 203L.
# BIOLOGY326S - Evolutionary Genomics

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<th>Subject</th>
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<th>Title</th>
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<tbody>
<tr>
<td>BIOLOGY</td>
<td>326S</td>
<td>Evolutionary Genomics</td>
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</tbody>
</table>

**Description**
The unification of genomic data, bioinformatic analysis, and evolutionary theory has transformed our understanding of human history, our place within the Tree of Life, and the impact that our species is having on those with whom we share the planet. This course will draw from the primary literature to familiarize students with the multifaceted power of genomics, with a slant towards examining human history and disease from an evolutionary perspective. Readings will be drawn from a wide variety of sources, from some published more than a century ago, up through the contemporary popular press. Recommended prerequisite: Biology 202L.

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# BIOLOGY329L - Principles of Animal Physiology

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<th>Subject</th>
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<tbody>
<tr>
<td>BIOLOGY</td>
<td>329L</td>
<td>Principles of Animal Physiology</td>
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</tbody>
</table>

**Description**
Examination of physiological principles that guide animal life processes. Framed in an evolutionary context, processes including respiration, circulation, neural control, movement, excretion and metabolism will be understood in terms of core principles that also apply to humans. Laboratories will include directed and self-directed investigations into animal physiology using research grade data acquisition systems. This is a writing-intensive course. Not open to students who have taken Biology 329D. Recommended prerequisite: Biology 20, 21, 201L or 203L and Physics 141L and Chemistry 101DL.

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# BIOLOGY329D - Principles of Animal Physiology

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<tbody>
<tr>
<td>BIOLOGY</td>
<td>329D</td>
<td>Principles of Animal Physiology</td>
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</table>

**Description**
Non-laboratory version of Biology 329L. Does not carry the R or W curricular designations. Not open to students who have taken Biology 329L. Recommended prerequisite: Biology 20, 21, 201L or 203L and Physics 141L and Chemistry 101DL.

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# BIOLOGY335 - Drones in Marine Biology, Ecology, and Conservation

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<tr>
<td>BIOLOGY</td>
<td>335</td>
<td>Drones in Marine Biology, Ecology, and Conservation</td>
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</table>

**Description**
Includes a full overview of past and emerging applications for ecology and biology of marine species and coastal habitats, with in-depth discussion on future of drone applications in coastal biological and ecological research. Comprehensive exploration of current drone technologies, including detection of target species, payloads, aeronautical concepts, rules and regulations, mission planning, aircraft design, maintenance, data collection, management and analysis. Lab components tailored to student interests: active participation in megafaunal or environmental research and data analysis; building, operating and maintaining aircraft, programming for manual and autonomous flight.
BIOLOGY335A - Drones in Marine Biology, Ecology, and Conservation

**Subject**: BIOLOGY  
**Catalog Number**: 335A  
**Title**: Drones in Marine Biology, Ecology, and Conservation

**Description**  
Lecture-based version of Environment 335LA. Includes a full overview of past and emerging applications for ecology and biology of marine species and coastal habitats, with in-depth discussion on future of drone applications in coastal biological and ecological research. Comprehensive exploration of current drone technologies, including detection of target species, payloads, aeronautical concepts, rules and regulations, mission planning, aircraft design, maintenance, data collection, management and analysis. Lab components tailored to student interests: active participation in megafaunal or environmental research and data analysis; building, operating and maintaining aircraft, programming for manual and autonomous flight. Taught in Beaufort at Duke Marine Lab.

BIOLOGY341L - Plant Communities of North Carolina

**Subject**: BIOLOGY  
**Catalog Number**: 341L  
**Title**: Plant Communities of North Carolina

**Description**  
Overview of plant communities in the mountains, piedmont, and coastal plain of North Carolina, primarily through field trips. The dominant native plants of each community; the biology and identification of important invasive species. Required weekend field trip to the mountains, and several weekend day trips.

BIOLOGY344S - Plant Diversity: A Field Approach

**Subject**: BIOLOGY  
**Catalog Number**: 344S  
**Title**: Plant Diversity: A Field Approach

**Description**  

BIOLOGY346 - Symbiosis: From Organelles to Microbiomes

**Subject**: BIOLOGY  
**Catalog Number**: 346  
**Title**: Symbiosis: From Organelles to Microbiomes

**Description**  
Symbiotic interactions are integral to the biology of multicellular eukaryotes. The discovery of the roles of the human microbiome in the development, physiology, ecology and evolution of humans is currently transforming medicine. This course is a multidisciplinary study, at the intersection of evolutionary biology, ecology and genomics, of symbiotic systems such as plant-animal, microbe-plant, and microbe-animal symbioses spanning the entire tree of life, including the human microbiome. We explore this topic from a researcher's perspective and with the goal of helping students join research labs.
**BIOLOGY347L - Plants and People**

*Subject* BIOLOGY  
*Catalog Number* 347L  
*Title* Plants and People  

**Description**  
The history of humans is deeply intertwined with plants. We depend on them for food, fuel, beverages, medicine, textiles, shelter, and trade. This course explores the evolutionary diversity of plants across the Green Tree of Life and their importance to people through time, the history of their domestication, their current roles in our society, and in our ecosystems. Includes laboratory investigations and scheduled field trips.

**BIOLOGY348LS - Herpetology**

*Subject* BIOLOGY  
*Catalog Number* 348LS  
*Title* Herpetology  

**Description**  
Introduction to diversity and biology of amphibians and non-avian reptiles. Emphases on their evolutionary history, including the relationships among the major taxonomic groups and to other taxa. Topics include evolutionary adaptations with regard to life history, physiology, behavior. Human interactions and species conservation. Examples from North Carolina and the Southeastern US will be used whenever possible. Laboratory activities, field projects, required and optional field trips. Prerequisites: Biology 202L recommended.

**BIOLOGY349 - Entomology: An Introduction to Insect Biology**

*Subject* BIOLOGY  
*Catalog Number* 349  
*Title* Entomology: An Introduction to Insect Biology  

**Description**  
Introduction to insect biology and diversity. Insect external and internal anatomy, development, physiology, ecology, diversity, human impacts, and evolution. Non-lab version of Biology 349L.

**BIOLOGY349L - Entomology: An Introduction to Insect Biology**

*Subject* BIOLOGY  
*Catalog Number* 349L  
*Title* Entomology: An Introduction to Insect Biology  

**Description**  
Introduction to insect biology and diversity. Insect external and internal anatomy, development, physiology, ecology, diversity, human impacts and evolution. Lab includes observation of local insect diversity, as well as student-designed experimental investigations.

**BIOLOGY361LS - Field Ecology**

*Subject* BIOLOGY  
*Catalog Number* 361LS  
*Title* Field Ecology  

**Description**  
Explore the natural systems of North Carolina through hands-on experimentation. Through student-guided inquiry and field experimentation students will gain experience in formulating hypotheses, designing field observations and experiments, analyzing field data and interpreting results from the fields of ecosystem, community, population, and physiological ecology. In addition to weekly field labs, the course will include a weekend field trip. Recommended prerequisite: Biology 20 or 21 or one course in ecology or consent of instructor; Mathematics 111L.

**BIOLOGY363S - Animal Intelligence and the Social Brain**

*Subject* BIOLOGY  
*Catalog Number* 363S  
*Title* Animal Intelligence and the Social Brain  

**Description**  
Complexity of animals' social lives, with focus on cognitive implications of sociality on acquisition, expression, and transmission of knowledge. Topics include: discrimination & insight learning; social influences on behavior; tool use & causality; traditions & cultural transmission; mechanisms of recognition, knowledge of social domain; prosociality & play; coalitions, cooperation, & reciprocity; conflict, punishment, & reconciliation; vocal & gestural communication; sharing; language & instruction; knowing what others know; self recognition & social monitoring; tactical deception & social manipulation; social norms/morality. Prerequisite: EvAnth 101 or Bio 202.
BIOLOGY364L - Advanced Experimental Physics
Subject: BIOLOGY
Catalog Number: 364L
Title: Advanced Experimental Physics
Description: Last in series of half-courses on experimental physics techniques for physics and biophysics majors. Students will perform a single advanced laboratory project. Biophysics-related laboratory projects are available. Includes written and oral presentation of results. Prerequisite: Physics 264L.

BIOLOGY365L - Advanced Experimental Physics
Subject: BIOLOGY
Catalog Number: 365L
Title: Advanced Experimental Physics
Description: One of several undergraduate courses on experimental physics techniques suitable for physics and biophysics majors. Identical in content and method to Physics 364L except it requires two half semester advanced laboratory projects for one full semester credit. Biophysics-related laboratory projects are available. Includes written and oral presentation of results. Prerequisite: Physics 264L.

BIOLOGY369LA - Biological Oceanography
Subject: BIOLOGY
Catalog Number: 369LA
Title: Biological Oceanography
Description: Discusses patterns of abundance, diversity and activity of organisms in major ocean ecosystems. Identifies major physical, chemical and ecological processes that affect these patterns, and analyzes impact of biology on ecosystems. Uses a 'flipped' classroom for enhanced development of quantitative skills to measure these patterns, emphasizing hands-on data collection and analyses, multiple field trips aboard DUML research vessels, and participatory activities to demonstrate core concepts in biological oceanography. Taught at Duke Marine Lab. Spring section requires travel. Recommended intro bio or AP Bio credit. Instructor consent required, visit DUML website for details.

BIOLOGY373LA - Sensory Physiology and Behavior of Marine Animals
Subject: BIOLOGY
Catalog Number: 373LA
Title: Sensory Physiology and Behavior of Marine Animals
Description: Sensory physiological principles with emphasis on visual and chemical cues. Laboratories will use behavior to measure physiological processes. Taught in Beaufort at Duke Marine Lab. Prerequisite: AP Biology or introductory biology or consent of instructor and Chemistry 101DL.

BIOLOGY375A - Biology and Conservation of Sea Turtles
Subject: BIOLOGY
Catalog Number: 375A
Title: Biology and Conservation of Sea Turtles
Description: Essential biology of sea turtles (evolution, anatomy, physiology, behavior, life history, population dynamics) and their conservation needs; emphasis on their role in marine ecosystem structure and function. Basic ecological concepts integrated with related topics including the conservation and management of endangered species, the contributions of technology to the management of migratory marine species, the role of research in national and international law and policy, and the veterinary aspects of conservation. Taught in Beaufort at Duke Marine Lab. Prerequisite: introductory biology.

BIOLOGY375L - Biology and Conservation of Sea Turtles
Subject: BIOLOGY
Catalog Number: 375L
Title: Biology and Conservation of Sea Turtles
Description: Includes laboratory and field experience with animals and with their habitat requirements. Recommended prerequisite: introductory biology.
BIOLOGY375LA - Biology and Conservation of Sea Turtles

Subject: BIOLOGY
Catalog Number: 375LA
Title: Biology and Conservation of Sea Turtles

Description: Laboratory version of Biology 375A. Includes laboratory and field experience with animals and with their habitat requirements. Taught in Beaufort at Duke Marine Lab. Prerequisite: introductory biology.

BIOLOGY376A - Marine Mammals

Subject: BIOLOGY
Catalog Number: 376A
Title: Marine Mammals

Description: The biology of cetaceans, pinnipeds, sirenians, and sea otters. Topics covered include the diversity, evolution, ecology, and behavior of marine mammals and their interactions with humans. Detailed consideration given to the adaptations that allow these mammals to live in the sea. Evaluation of the scientific, ethical, and aesthetic factors influencing societal attitudes toward these animals and of their conservation management in light of domestic legislation and international treaties. Taught in Beaufort at Duke Marine Lab. Prerequisite: introductory biology.

BIOLOGY376L - Marine Mammals

Subject: BIOLOGY
Catalog Number: 376L
Title: Marine Mammals

Description: Laboratory and field exercises consider social organization, behavior, ecology, communication, and anatomy of local bottlenose dolphins. Recommended prerequisite: introductory biology.

BIOLOGY376LA - Marine Mammals

Subject: BIOLOGY
Catalog Number: 376LA
Title: Marine Mammals

Description: Laboratory version of Biology 376A. Laboratory and field exercises consider social organization, behavior, ecology, communication, and anatomy of local bottlenose dolphins. Taught in Beaufort at Duke Marine Lab. Prerequisite: introductory biology.

BIOLOGY377L - Biodiversity of Marine Invertebrates

Subject: BIOLOGY
Catalog Number: 377L
Title: Biodiversity of Marine Invertebrates

Description: An introduction to the biodiversity represented by major marine invertebrate groups, with emphasis on the diversity of body forms and behaviors and on anatomical structures and functions. Field trips primarily by boat allow students to explore invertebrates characteristic of a variety of coastal habitats in North Carolina, including mud flats, sandy beaches, salt marshes, oyster reefs, piers and docks, and the water column. Live invertebrates maintained in the laboratory serve as models for detailed study of form and function.

BIOLOGY377LA - Biodiversity of Marine Invertebrates

Subject: BIOLOGY
Catalog Number: 377LA
Title: Biodiversity of Marine Invertebrates

Description: An introduction to the biodiversity represented by major marine invertebrate groups, with emphasis on the diversity of body forms and behaviors and on anatomical structures and functions. Field trips primarily by boat allow students to explore invertebrates characteristic of a variety of coastal habitats in North Carolina, including mud flats, sandy beaches, salt marshes, oyster reefs, piers and docks, and the water column. Live invertebrates maintained in the laboratory serve as models for detailed study of form and function. Taught in Beaufort at Duke Marine Lab.
### BIOLOGY385L - Integrative Neuroscience Laboratory

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<tr>
<td>BIOLOGY</td>
<td>385L</td>
<td>Integrative Neuroscience Laboratory</td>
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</tbody>
</table>

**Description**

Gain skills necessary to conduct neuroscience research and integrate findings from multiple levels of analysis (molecular, cellular and behavioral). Team-based learning format and collaboration with neuroscience lab to generate, analyze, and communicate novel scientific findings. Experimentation will occur in a model organism and may include PCR, live cell imaging and/or behavioral conditioning experiments.

### BIOLOGY390A - Duke-Administered Study Abroad: Advanced Special Topics in Biology

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<tr>
<td>BIOLOGY</td>
<td>390A</td>
<td>Duke-Administered Study Abroad: Advanced Special Topics in Biology</td>
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</table>

**Description**

Topics differ by section.

### BIOLOGY390LA - Duke-Administered Study Away: Special Topics

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<td>390LA</td>
<td>Duke-Administered Study Away: Special Topics</td>
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</table>

**Description**

Topics differ by section.

### BIOLOGY391 - Independent Study: Advanced Topics

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</thead>
<tbody>
<tr>
<td>BIOLOGY</td>
<td>391</td>
<td>Independent Study: Advanced Topics</td>
</tr>
</tbody>
</table>

**Description**

Reading in a field of special interest under the supervision of a Biology faculty member. Intended for students interested in studying topics not offered in regularly available courses. Instructor consent is required.

### BIOLOGY391A - Independent Study: Advanced Topics

<table>
<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOLOGY</td>
<td>391A</td>
<td>Independent Study: Advanced Topics</td>
</tr>
</tbody>
</table>

**Description**

Reading in a field of special interest under the supervision of a Biology faculty member. Intended for students interested in studying topics not offered in regularly available courses. Taught in Beaufort at Duke Marine Lab. Instructor consent is required.

### BIOLOGY412S - Sensory Signal Transduction

<table>
<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOLOGY</td>
<td>412S</td>
<td>Sensory Signal Transduction</td>
</tr>
</tbody>
</table>

**Description**

Recent progress in sensory signal transduction mediated by calcium channels and receptors. Topics include history and techniques in the study of ion channels, such as electrophysiology, calcium imaging, and cell and molecular biology; cell surface perception for external signals, including light receptors, olfactory receptors, taste receptors, hot and cold receptors, and mechanical receptors; heart and brain pacemakers; sensory channel receptor-related human diseases; and plan sensory signaling network.
<table>
<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOLOGY</td>
<td>414LS</td>
<td>Experiments in Developmental and Molecular Genetics</td>
</tr>
<tr>
<td>Description</td>
<td></td>
<td>Experimental approaches in development and genetics using animal and plant models. Laboratory training in molecular genetics, immunochemistry, microscopy, protein chemistry, and genetic screening. Experiments include immunochemical localization, in situ hybridization, polymerase chain reaction, genetic screening, embryo micromanipulation, microscopic imaging, and mutant analysis. Recommended prerequisite: Biology 201L, 202L, or 203L, prior or concurrent registration in Biology 220.</td>
</tr>
</tbody>
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<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOLOGY</td>
<td>415S</td>
<td>Developmental and Stem Cell Biology Colloquium</td>
</tr>
<tr>
<td>Description</td>
<td></td>
<td>Lectures, seminars, and discussion of current topics in developmental biology. Recommended prerequisite: Biology 201L, 202L or 203L and/or 220 or equivalent.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOLOGY</td>
<td>417S</td>
<td>Genetic Engineering and Biotechnology</td>
</tr>
<tr>
<td>Description</td>
<td></td>
<td>Applications of recombinant DNA in medicine and in agriculture. Topics include diagnosis of genetic diseases, gene therapy, drugs for AIDS and cancer, DNA fingerprinting, cloning of mammals, phytoremediation, crop improvement, and pharmaceutical protein production in transgenic plants and animals. Social and environmental impacts of biotechnology. Recommended prerequisite: Biology 201L, 203L, or 220, or lab experience or consent of instructor.</td>
</tr>
</tbody>
</table>

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<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOLOGY</td>
<td>418</td>
<td>Introduction to Biophysics</td>
</tr>
<tr>
<td>Description</td>
<td></td>
<td>How theory and experimental techniques from physics can be used to analyze and understand biological structure and function, including chemical, mechanical, electrical, collective, and information-processing aspects. Prerequisite: Biology 201L and knowledge of statistical physics by taking either Physics 363 or Chemistry 311.</td>
</tr>
</tbody>
</table>

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<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOLOGY</td>
<td>420</td>
<td>Cancer Genetics</td>
</tr>
<tr>
<td>Description</td>
<td></td>
<td>Overview of the genetic changes associated with cancer and the molecular events that transform normal cellular processes into tumor-promoting conditions. Topics include: tumor viruses, oncogenes, growth factors, signal transduction pathways, tumor suppressors, cell cycle control, apoptosis, genome instability, stem cells, metastasis, and current therapeutic approaches. Prerequisite: (Biology 201L/201LA and Biology 202L/202LA) or Biology 203L.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOLOGY</td>
<td>421S</td>
<td>Biology of Nervous System Diseases</td>
</tr>
<tr>
<td>Description</td>
<td></td>
<td>Primary literature investigating the underlying molecular and cellular mechanisms of nervous system disorders such as neurodegenerative diseases (Alzheimer's, Parkinson's, Huntington's), mental illness, and epilepsy. Prerequisite: Neuroscience 201 or 223 or Biology 220 or consent of instructor.</td>
</tr>
</tbody>
</table>
### BIOLOGY422L - Experiments in Animal Models of Human Neurodegenerative Disease

<table>
<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOLOGY</td>
<td>422L</td>
<td>Experiments in Animal Models of Human Neurodegenerative Disease</td>
</tr>
</tbody>
</table>

**Description**

This course will bring students into a basic research setting to directly contribute to our understanding of the molecular and cellular underpinnings of neurodegenerative disease. Classic experimental approaches in the lab (fruit fly genetics, molecular techniques, dissection, immunocytochemistry, microscopy) will be paired with short lectures, literature-based discussions, and data presentations. Students should, through firsthand experience, gain an appreciation for 1) the life cycle of basic research, 2) the utility, challenges, and caveats of various approaches to understanding disease, and 3) the elegance and relevance of gene and cell function across organisms. Recommended prerequisite: Biology 201L or 203L.

### BIOLOGY422LS - Experiments in Animal Models of Human Neurodegenerative Disease

<table>
<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>BIOLOGY</td>
<td>422LS</td>
<td>Experiments in Animal Models of Human Neurodegenerative Disease</td>
</tr>
</tbody>
</table>

**Description**

This course will bring students into a basic research setting to directly contribute to our understanding of the molecular and cellular underpinnings of neurodegenerative disease. Classic experimental approaches in the lab (fruit fly genetics, molecular techniques, dissection, immunocytochemistry, microscopy) will be paired with short lectures, literature-based discussions, and data presentations. Students should, through firsthand experience, gain an appreciation for 1) the life cycle of basic research, 2) the utility, challenges, and caveats of various approaches to understanding disease, and 3) the elegance and relevance of gene and cell function across organisms. Recommended prerequisite: Biology 201L or 203L.

### BIOLOGY424S - The Biological, Chemical, and Physical Bases of Cell Shape and Cell Shape Changes

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<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>BIOLOGY</td>
<td>424S</td>
<td>The Biological, Chemical, and Physical Bases of Cell Shape and Cell Shape Changes</td>
</tr>
</tbody>
</table>

**Description**

Cell shape and shape change are fundamental features of biological development and homeostasis. We investigate the intimate relationship between cellular structure and function at molecular, sub-cellular, cellular and tissue length scales. We study a range of cell types, from the very simple (e.g., red blood cells) to those that are structurally complex (e.g., epithelia, muscle and nerve). We integrate information from studies in vivo, in vitro, in cell free systems and on purified proteins. We learn from a combination of readings (reviews and primary literature), lectures, discussions and presentations by students. Prerequisite: Biology 201L/LA or 203L.

### BIOLOGY425 - Biophysics II

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<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>BIOLOGY</td>
<td>425</td>
<td>Biophysics II</td>
</tr>
</tbody>
</table>

**Description**

Quantitative understanding of biological systems through the application of physical principles. Course will emphasize topics that span multiple length and time scales, and different levels of biological organization. Two to four topics per semester, including possibly organismal motion from molecular processes to whole organisms, nervous systems from membrane channels to neuronal networks, noise in biology, novel biophysical technologies, etc. Recommended prerequisite: Biology 201L or 203L, Mathematics 212 and 216 or equivalent, and calculus-based introductory physics or permission of the instructors.
BIOLOGY 427A - Current Topics in Sensory Biology

Subject: BIOLOGY
Catalog Number: 427A
Title: Current Topics in Sensory Biology

Description:
Exploration of recent and classic studies in sensory biology. Topics are chosen by students at the start of the semester. Usually includes vision, hearing, smell, taste, pheromones, electroreception, magnetoreception, bioluminescence, touch, time, and music. Taught at the Duke Marine Lab in Beaufort. Recommended prerequisite: Biology 201L, or 201L and 202L, or 203L or the equivalent, and one course in Neuroscience, or consent of instructor.

BIOLOGY 427S - Current Topics in Sensory Biology

Subject: BIOLOGY
Catalog Number: 427S
Title: Current Topics in Sensory Biology

Description:
Exploration of recent and classic studies in sensory biology. Actual topics are chosen by students at the start of the semester. Usually includes vision, hearing, smell, taste, pheromones, electroreception, magnetoreception, bioluminescence, touch, time, and music. Recommended prerequisite: Biology 201L, or 201L and 202L, or 203L or the equivalent, and one course in Neuroscience, or consent of instructor.

BIOLOGY 429S - How Organisms Move

Subject: BIOLOGY
Catalog Number: 429S
Title: How Organisms Move

Description:
Connecting basic physics with biological systems to examine the principles of organismal movement. Course provides a quantitative and analytical foundation in the major modes of locomotion, such as flight, swimming, and walking, then applies this foundation to broader issues in science and society, such as the development of biologically-inspired mechanisms and the impact of climate change on organismal movement. Foundational lecture presentations, in-class group problem-solving and projects, and R-computer programming. Prerequisite: Physics 25, Physics 141L/141LA, Physics 151L, or Physics 161D. Recommended prerequisite: Biology 203L or 201L and 202L.

BIOLOGY 432S - Biology of Host-Pathogen Interactions

Subject: BIOLOGY
Catalog Number: 432S
Title: Biology of Host-Pathogen Interactions

Description:
Pathogens have evolved a broad set of strategies for growing and dividing in a host. We will explore the complex and dynamic host-pathogen interactions from the perspective of a variety of pathogenic organisms. This seminar style course will include lectures, discussions, readings, and presentations of primary literature by students. Recommended prerequisite: Biology 201L or 203L.

BIOLOGY 433S - The Biology Nobels

Subject: BIOLOGY
Catalog Number: 433S
Title: The Biology Nobels

Description:
The Biology Nobels is a seminar course designed to take upper level students on a deep dive into the cellular and molecular biology related to that research whose excellence was recognized by a Nobel Prize in Chemistry, Physics or Physiology or Medicine. Students will read, discuss, and present papers by the Laureates and related material that provides background or additional information about each field. Prerequisites: Biology 201L or Biology 203L, Biology 220 or 223 or equivalent cell biology course recommended.

BIOLOGY 438 - Chemical Dialogs in Biology

Subject: BIOLOGY
Catalog Number: 438
Title: Chemical Dialogs in Biology

Description:
Intra-species and inter-species chemical communications. Production, detection and transduction of chemical signals and cues. How these signaling molecules evoke biological and behavioral responses across the kingdoms of life. Recommended prerequisite: Biology 201L or 203L, and Chemistry 201L and 202L.
BIOLOGY445A - Climate Change in the Marine Environment

Subject: BIOLOGY
Catalog Number: 445A
Title: Climate Change in the Marine Environment

Description
Exploration of climate change science focusing on marine ecosystems and inhabitants - specifically ocean acidification, warming and sea level rise. Factors causing climate change, and how those vary spatially, focusing on sensitive polar ecosystems and marine mammal populations. Critical examination of climate change modeling using EdGCM (research-grade Global Climate Model), focusing on how scientists use models, observations/theory to predict climate, and assumptions/uncertainty implicit in modeling. Discussion of potential human impacts including consequences of sea level rise and potential increases in disease due to climate change. Taught in Beaufort at Duke Marine Lab.

BIOLOGY450S - Genomics of Adaptation: A Modern Look at Evolution

Subject: BIOLOGY
Catalog Number: 450S
Title: Genomics of Adaptation: A Modern Look at Evolution

Description
Contemporary studies of how populations and species evolved adaptations to their ecological habitats. Focus on modern methods of genome mapping and sequence data and analysis in wild populations that can identify genetic changes that contributed to ecological adaptations. Emphasis on case studies of genomics of adaptation in plant and animal systems, including humans and our adaptations to environments that our ancestors encountered as they colonized diverse habitats throughout the world. Examples will also illustrate how speciation and hybridization can contribute to adaptive biodiversity. Recommended prerequisite: Biology 202L or 203L or equivalent course.

BIOLOGY452S - Genes & Development

Subject: BIOLOGY
Catalog Number: 452S
Title: Genes & Development

Description
Literature-based seminar covering transcriptional regulation of development. Regulatory mechanisms and genome-wide approaches will be covered. Topics: embryogenesis, stem cells, transcription factors, regulatory networks, chromatin, nuclear organization, small RNAs, imprinting and Pol II pausing. Prerequisite: Biology 201L and 202L, or Biology 203L. Recommended prerequisite: Biology 220 or 221D.

BIOLOGY453S - Gene-Environment Interaction: Genes in an Ecological Context

Subject: BIOLOGY
Catalog Number: 453S
Title: Gene-Environment Interaction: Genes in an Ecological Context

Description
Seminar on genotype-environment interaction. Topics include the evolution and adaptive value of environment-dependent phenotypes (phenotypic plasticity), ecological consequences of genotype-environment interaction, molecular mechanisms of phenotypic plasticity, and how genotype-environment interaction pertains to outstanding debates in evolutionary biology and genetics. Recommended prerequisite: Biology 202L or 203L.
### BIOLOGY454S - Physiological Genetics of Disease

<table>
<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>BIOLOGY</td>
<td>454S</td>
<td>Physiological Genetics of Disease</td>
</tr>
</tbody>
</table>

**Description**

An exploration of how we have come to understand the relationships between genes and traits, with a focus on traits of biomedical importance. We explore how physiological systems biology can be used to understand the causal pathways by which genes affect traits. Examples will be taken largely from the biomedical literature with a focus on genetic diseases and the roles of genetic background and environment in determining how (and why) genes affect traits. Readings and class participation, short papers and oral presentations on research projects. Recommended prerequisite: Biology 203L or 201L and 202L and Mathematics 112L.

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### BIOLOGY460 - Population Genetics

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<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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<tbody>
<tr>
<td>BIOLOGY</td>
<td>460</td>
<td>Population Genetics</td>
</tr>
</tbody>
</table>

**Description**

Use of genetic sequence analysis to examine aspects of natural populations of humans and other organisms in the past and present. Topics include molecular phylogenetics; the origin, maintenance, and loss of major features of evolution; the evolutionary process at the molecular level; reconstruction of human origins and paleohistory; and genetic information in forensic studies. Not open to students who have taken Biology 250.

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### BIOLOGY490 - Topics in Biology

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<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>BIOLOGY</td>
<td>490</td>
<td>Topics in Biology</td>
</tr>
</tbody>
</table>

**Description**

Lecture course on selected topic. Offerings vary each semester.

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### BIOLOGY490S - Special Topics Seminar

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<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>BIOLOGY</td>
<td>490S</td>
<td>Special Topics Seminar</td>
</tr>
</tbody>
</table>

**Description**

Seminar on a selected topic. Offerings vary each semester.

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### BIOLOGY490T - Tutorial

<table>
<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>BIOLOGY</td>
<td>490T</td>
<td>Tutorial</td>
</tr>
</tbody>
</table>

**Description**

For junior and senior majors with consent of director of undergraduate studies and supervising instructor.

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### BIOLOGY490T-1 - Tutorial

<table>
<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOLOGY</td>
<td>490T-1</td>
<td>Tutorial</td>
</tr>
</tbody>
</table>

**Description**

For junior and senior majors with consent of director of undergraduate studies and supervising instructor.

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### BIOLOGY490TA - Tutorial (Topics)

<table>
<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>BIOLOGY</td>
<td>490TA</td>
<td>Tutorial (Topics)</td>
</tr>
</tbody>
</table>

**Description**

For junior and senior majors with consent of director of undergraduate studies and supervising instructor. Taught in Beaufort at Duke Marine Lab.

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### BIOLOGY490TA-1 - Tutorial (Topics)

<table>
<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOLOGY</td>
<td>490TA-1</td>
<td>Tutorial (Topics)</td>
</tr>
</tbody>
</table>

**Description**

For junior and seniors with consent of director of undergraduate studies and supervising instructor. Taught in Beaufort at Duke Marine Lab.
### BIOLOGY491 - Independent Study: Advanced Topics

<table>
<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOLOGY</td>
<td>491</td>
<td>Independent Study: Advanced Topics</td>
</tr>
</tbody>
</table>

**Description**
Reading in a field of special interest under the supervision of a Biology faculty member. Intended for students interested in studying topics not offered in regularly available courses. Consent of instructor required.

### BIOLOGY491A - Independent Study: Advanced Topics

<table>
<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOLOGY</td>
<td>491A</td>
<td>Independent Study: Advanced Topics</td>
</tr>
</tbody>
</table>

**Description**
Reading in a field of special interest under the supervision of a Biology faculty member. Intended for students interested in studying topics not offered in regularly available courses. Taught in Beaufort at Duke Marine Lab. Instructor consent is required.

### BIOLOGY493 - Research Independent Study

<table>
<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOLOGY</td>
<td>493</td>
<td>Research Independent Study</td>
</tr>
</tbody>
</table>

**Description**
Continuation of Biology 293. Individual research and reading of the primary literature in a field of special interest, under the supervision of a faculty member, the major product of which is a substantive paper or written report containing significant analysis and interpretation of a previously approved topic. Open to juniors and seniors only with consent of supervising instructor. Prerequisite: Biology 293 or Biology 379LA. May be repeated.

### BIOLOGY493A - Research Independent Study

<table>
<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>BIOLOGY</td>
<td>493A</td>
<td>Research Independent Study</td>
</tr>
</tbody>
</table>

**Description**
Continuation of Biology 293A. Individual research and reading of the primary literature in a field of special interest, under the supervision of a faculty member, the major product of which is a substantive paper or written report containing significant analysis and interpretation of a previously approved topic. Open to juniors and seniors only with consent of supervising instructor. Taught in Beaufort at Duke Marine Lab. Prerequisite: Biology 293A or Biology 379LA. May be repeated.

### BIOLOGY495 - Scientific Arguments: Writing an Undergraduate Thesis

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<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>BIOLOGY</td>
<td>495</td>
<td>Scientific Arguments: Writing an Undergraduate Thesis</td>
</tr>
</tbody>
</table>

**Description**
Conventions of scientific writing, focusing on the process of writing a thesis or other major research paper in the natural sciences. Course intended for all candidates for Graduation with Distinction in Biology and Physics.

### BIOLOGY495S - Scientific Arguments: Writing an Undergraduate Thesis

<table>
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<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>BIOLOGY</td>
<td>495S</td>
<td>Scientific Arguments: Writing an Undergraduate Thesis</td>
</tr>
</tbody>
</table>

**Description**
Seminar version of Biology 495. Conventions of scientific writing, focusing on the process of writing a thesis or other major research paper in the natural sciences. Course intended for Candidates for Graduation with Distinction in Biology.
**BIOLOGY89S - First-Year Seminar**

<table>
<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>BIOLOGY</td>
<td>89S</td>
<td>First-Year Seminar</td>
</tr>
</tbody>
</table>

**Description**
Topics vary each semester offered.

**BME195FS - Medical Instrumentation in the Developing World (GE)**

<table>
<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>BME</td>
<td>195FS</td>
<td>Medical Instrumentation in the Developing World (GE)</td>
</tr>
</tbody>
</table>

**Description**
Medical devices have revolutionized healthcare in the developed world. Yet, this technology revolution has failed to reach the developing world. Compared to the estimated 1.5 million medical devices introduced in the developed world in the last 50 years, only a few dozen pieces of medical equipment have been specifically designed to be appropriate and affordable for resource poor settings. We will examine and discuss the factors that make the research, design & development, introduction & marketing, maintenance and use of medical devices in resource poor settings uniquely challenging conditions. Focus students only.

**BME221DL - Biomaterials**

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<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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<tbody>
<tr>
<td>BME</td>
<td>221DL</td>
<td>Biomaterials</td>
</tr>
</tbody>
</table>

**Description**
This course provides an introduction to Materials Science, with an emphasis on the materials and applications relevant to Biomedical Engineering. The course emphasizes the relationships between the structure and properties of materials, with a focus on their mechanical, biological, and surface properties. Electrical, optical, and thermal properties will also be touched upon. Classes of materials to be addressed include metals, polymers, ceramics, gels, and composites. The course will close with an introduction to biocompatibility and the foreign body response. Prerequisite: EGR 201L.

**BME221L - Biomaterials**

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<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>BME</td>
<td>221L</td>
<td>Biomaterials</td>
</tr>
</tbody>
</table>

**Description**
This course provides an introduction to Materials Science, with an emphasis on the materials and applications relevant to Biomedical Engineering. The course emphasizes the relationships between the structure and properties of materials, with a focus on their mechanical, biological, and surface properties. Electrical, optical, and thermal properties will also be touched upon. Classes of materials to be addressed include metals, polymers, ceramics, gels, and composites. The course will close with an introduction to biocompatibility and the foreign body response. Prerequisite: Engineering 201L.
BME230L - Global Women’s Health Technologies

Subject: BME  
Catalog Number: 230L  
Title: Global Women’s Health Technologies

Description: Exploration of the intersection of technology, women’s health, and global poverty. Analysis of case studies related to human-centered design and applications of engineering to solve global health challenges. Hands-on learning of engineering concepts related to circuitry and light as well as skills needed to prototype a functional light source. Application of course knowledge in a design challenge based on a need from a real-world client in a low-resource setting. Open to both Trinity and Pratt students.

BME244L - Quantitative Physiology with Biostatistical Applications

Subject: BME  
Catalog Number: 244L  
Title: Quantitative Physiology with Biostatistical Applications

Description: An examination of the importance of mass and energy balances, transport processes, mechanics, energetics, and electrical activity in physiological systems. Lectures cover cellular physiology, cardiovascular system, nervous system, muscle physiology, and renal physiology. Labs complement lecture topics and introduce statistical methods related to the measurement and analysis of physiological data. Statistical topics include: descriptive statistics; hypothesis testing; correlation, regression, and goodness of fit; ANOVA and post-hoc tests; power analysis and experimental design. Prerequisite: Engineering 103L or Computer Science 201 and co-/prerequisite: (Biology 201L or Biology 203L) and (Mathematics 212, 216, 218D-2, 219, 221, 222 or 353).

BME260L - Modeling Cellular and Molecular Systems

Subject: BME  
Catalog Number: 260L  
Title: Modeling Cellular and Molecular Systems

Description: An introduction to the application of engineering models to study cellular and molecular processes. Topics covered include the conservation of mass and energy, kinetic analysis of reactions, and enzyme kinetics. Students complete projects in which they write and solve differential equations that model complex biological systems. Applications to biotechnology are discussed. Corequisite: Biomedical Engineering 244L and Mathematics 212 or 219 or 221. Prerequisite: Biology 201L or 203L; or consent of the instructor.

BME271A - Signals and Systems

Subject: BME  
Catalog Number: 271A  
Title: Signals and Systems

Description: Convolution, deconvolution, Fourier series, Fourier transform, sampling, and the Laplace transform. Continuous and discrete formulations with emphasis on computational and simulation aspects and selected biomedical examples. Prerequisite: Biomedical Engineering 253L or Electrical and Computer Engineering 110L; Mathematics 216; or consent of the instructor.

BME271D - Signals and Systems

Subject: BME  
Catalog Number: 271D  
Title: Signals and Systems

Description: Convolution, deconvolution, Fourier series, Fourier transform, sampling, and the Laplace transform. Continuous and discrete formulations with emphasis on computational and simulation aspects and selected biomedical examples. Prerequisite: Biomedical Engineering 253L or Electrical & Computer Engineering 110L and Mathematics 216, 218, 221, or 356.

BME290 - Intermediate Topics (GE)

Subject: BME  
Catalog Number: 290  
Title: Intermediate Topics (GE)

Description: Intermediate subjects or selective topics related to programs within biomedical engineering. Consent of instructor required.
## BME290L - Intermediate Topics with Lab (GE)

**Subject**
BME

**Catalog Number**
290L

**Title**
Intermediate Topics with Lab (GE)

**Description**
Intermediate subjects or selective topics related to programs within biomedical engineering. The course includes laboratory exercises. Consent of instructor required.

## BME301L - Bioelectricity (AC or GE)

**Subject**
BME

**Catalog Number**
301L

**Title**
Bioelectricity (AC or GE)

**Description**
The electrophysiology of excitable cells from a quantitative perspective. Topics include the ionic basis of action potentials, the Hodgkin-Huxley model, impulse propagation, source-field relationships, and an introduction to functional electrical stimulation. Prerequisite: Biomedical Engineering 244L and 260L and Mathematics 353 and (Biomedical Engineering 253L or Electrical and Computer Engineering 110L).

## BME302L - Fundamentals of Biomaterials and Biomechanics (AC or GE)

**Subject**
BME

**Catalog Number**
302L

**Title**
Fundamentals of Biomaterials and Biomechanics (AC or GE)

**Description**
Principles of materials science and mechanics applicable to orthopedics, cell signaling, medical imaging, implant design, injury prevention and treatment, cardiovascular mechanics, and tissue engineering. Topics include: structure-function relationships of biocomposites; unique properties of biomaterial surfaces; behavior of tissues and materials in physiological environments; mechanics of human movement and physiology; dynamics and vibration; and viscoelastic models. Selected experimental measurements on biomechanical and biomaterial systems. Prerequisite: BME 244L and (Math 353 or 353A) and (ME 221L or BME 221L).

## BME303L - Modern Diagnostic Imaging Systems (AC or GE)

**Subject**
BME

**Catalog Number**
303L

**Title**
Modern Diagnostic Imaging Systems (AC or GE)

**Description**
The underlying concepts and instrumentation of several modern medical imaging modalities. Review of applicable linear systems theory and relevant principles of physics. Modalities studied include X-ray radiography (conventional film-screen imaging and modern electronic imaging), computerized tomography (including the theory of reconstruction), ultrasound, and nuclear magnetic resonance imaging. Prerequisite: BME 244L, BME 271 or 271A or ECE 280L; junior or senior standing. Graduate students must get permission.

## BME306L - Cellular Engineering (AC or GE)

**Subject**
BME

**Catalog Number**
306L

**Title**
Cellular Engineering (AC or GE)

**Description**
This BME area core course offers an engineer's perspective on how cell processes including gene and protein regulation, growth, proliferation, death, differentiation, adhesion and migration can be manipulated to achieve a desired outcome. Mathematical models are applied to quantitatively describe these cell processes. Applications of cell therapies and tissue engineering are examined. Mammalian cell culture techniques including quantitative measurements of viability, proliferation, differentiation, and protein and gene expression are introduced within the laboratory. MC area core course leading to MC area elective pathway. Prerequisite: BME 244L and BME 260L.

## BME307 - Transport Phenomena in Biological Systems (AC or GE, BB)

**Subject**
BME

**Catalog Number**
307

**Title**
Transport Phenomena in Biological Systems (AC or GE, BB)

**Description**
An introduction to the modeling of complex biological systems using principles of transport phenomena and biochemical kinetics. Topics include the conservation of mass and momentum using differential and integral balances; rheology of Newtonian and non-Newtonian fluids; steady and transient diffusion in reacting systems; dimensional analysis; homogeneous versus heterogeneous reaction systems. Biomedical and biotechnological applications are discussed. Prerequisite: Biomedical Engineering 244L, 260L, and Mathematics 353.
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<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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<tbody>
<tr>
<td>BME307D - Transport Phenomena in Biological Systems (AC or GE, BB)</td>
<td>307D</td>
<td>Transport Phenomena in Biological Systems (AC or GE, BB)</td>
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<tr>
<td>BME354L - Introduction to Medical Instrumentation</td>
<td>354L</td>
<td>Introduction to Medical Instrumentation</td>
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<tr>
<td>BME390L - Special Topics with a Lab</td>
<td>390L</td>
<td>Special Topics with a Lab</td>
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<tr>
<td>BME390S - Special Topics Seminar in BME</td>
<td>390S</td>
<td>Special Topics Seminar in BME</td>
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<tr>
<td>BME394 - Projects in Biomedical Engineering (GE)</td>
<td>394</td>
<td>Projects in Biomedical Engineering (GE)</td>
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<tr>
<td>BME405L - Biotech Design I (GE, MC)</td>
<td>405L</td>
<td>Biotech Design I (GE, MC)</td>
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</tbody>
</table>

**Description**

- **BME307D - Transport Phenomena in Biological Systems (AC or GE, BB)**
  
- **BME354L - Introduction to Medical Instrumentation**
  - Study of the basic principles of biomedical electronics with emphasis on transducers, instruments, micro-controller and PC based systems for data acquisition and processing. Laboratories focus on measurements and circuit design emphasizing design criteria appropriate for biomedical instrumentation. Prerequisite: Physics 152L; Mathematics 353 or 353A; BME 244L; ECE 110L or BME 253L; BME 271 or BME 271A or ECE 280L; or consent of the instructor.

- **BME390L - Special Topics with a Lab**
  - Topics vary from semester to semester.

- **BME390S - Special Topics Seminar in BME**
  - Topics vary from semester. Instructor consent required.

- **BME394 - Projects in Biomedical Engineering (GE)**
  - For juniors and seniors who express a desire for such work and who have shown aptitude for research in one area of biomedical engineering. Reserved for Engineering Undergraduate Fellows. Consent of program director required.

- **BME405L - Biotech Design I (GE, MC)**
  - This course is the first semester of a two semester biochemical engineering design course sequence on biotechnology. It is a team focused project based course. Student teams take on real world problems and evaluate the commercial and technical potential of biotechnological solutions. The first semester course is primarily conceptual (on paper) design which students can then build and test in the second semester design course, Biotech Design II. Previous projects have included the design of diagnostics, small molecule and protein drugs, cell based therapies, CRISPR based therapeutics as well as novel bioprocesses. Prerequisites: BME 260L (GE, MC) and senior standing.
### BME406L - Biotech Design II

**Subject:** BME  
**Catalog Number:** 406L  
**Title:** Biotech Design II

**Description:** This is the second semester of a two-semester design course sequence on biotechnology. In this second semester, student teams will design, build and test biotechnological designs. The course will cover basic principles of product/process design and commercialization including project management, market and economic constraints, regulatory considerations and an intellectual property assessment. Satisfies Design Requirement. Prerequisites: BME 405L and senior standing.

### BME432L - Biomechanics and Vehicle Safety Engineering (DR)

**Subject:** BME  
**Catalog Number:** 432L  
**Title:** Biomechanics and Vehicle Safety Engineering (DR)

**Description:** Design course dealing with contemporary issues in the biomechanics of injury and motor vehicle safety engineering. Covers international standards for safety in vehicle design. Topics also include: airbag and belt systems, structural vehicle components, accident reconstruction, the biomechanics of injury, anthropomorphic test devices, and injury risk assessment metrics. Problem-based approach where students work as teams on a current engineering problem in dummy design or injury mitigation technology. The teams set design specifications, evaluate the designs using finite element analysis and fabricate the final product using rapid prototyping. Prerequisite: BME 302L; senior standing.

### BME436L - Biophotonic Instrumentation (DR)

**Subject:** BME  
**Catalog Number:** 436L  
**Title:** Biophotonic Instrumentation (DR)

**Description:** Design of optical instruments for biomedical applications. Section I focuses on basic optics theory and laboratory practice. Section II focuses on deeper understanding of selected biophotonic instruments, including laboratory work. Section III comprises the design component of the course. Student teams are presented with a design challenge and work through the steps of engineering design, culminating in building a prototype solution. Lecture topics include engineering design, intellectual property protection, engineering ethics, and safety. Prerequisite: BME 354L; senior standing.

### BME460L - Devices for People with Disabilities (DR)

**Subject:** BME  
**Catalog Number:** 460L  
**Title:** Devices for People with Disabilities (DR)

**Description:** Design of custom devices to aid disabled individuals. Students will be paired with health care professionals at local hospitals who will supervise the development of projects for specific clients. Formal engineering design principles will be emphasized; overview of assistive technologies, patent issues, engineering ethics. Oral and written reports will be required. Selected projects may be continued as independent study. Course includes a service-learning component involving work in the community. Prerequisites: BME 354L; senior standing.
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<th>Subject</th>
<th>Catalog Number</th>
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<tbody>
<tr>
<td>BME</td>
<td>462L</td>
<td>Design for the Developing World (DR)</td>
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</table>

**Description**

Design of custom devices to help the specific and unique needs of developing world hospitals. Formal engineering design principles will be emphasized; overview of developing world conditions, patent issues, engineering ethics. Oral and written reports will be required. Students may elect to personally deliver their projects to a developing world hospital, if selected, in the summer following the course. Prerequisite: BME 354L; senior standing.

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<th>Subject</th>
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<tbody>
<tr>
<td>BME</td>
<td>464L</td>
<td>Medical Instrument Design (DR)</td>
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</table>

**Description**

General principles of signal acquisition, amplification processing, recording, and display in medical instruments. System design, construction, and evaluation techniques will be emphasized. Methods of real-time signal processing will be reviewed and implemented in the laboratory. Each student will design, construct, and demonstrate a functional medical instrument and collect and analyze data with that instrument. Formal write-ups and presentations of each project will be required. Prerequisite: BME 354L; senior standing.

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<tbody>
<tr>
<td>BME</td>
<td>473L</td>
<td>Medical Device Design I</td>
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</table>

**Description**

This course is the first of a two-semester design sequence that will immerse students in a formal engineering design process. Students will work on authentic design problems identified with Duke Medical Center clinicians and local medical technology companies. Students will develop and determine design feasibility for a device, system, material or process, subject to real-world constraints, including time, money, and resources. Students will be expected to formally communicate design objectives and performance in written and oral form. Corequisite: Biomedical Engineering 354L. Instructor consent required.

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<tr>
<td>BME</td>
<td>474DL</td>
<td>Medical Device Design II</td>
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</tbody>
</table>

**Description**

This course is the second of a two-semester design sequence that immerses students in a formal engineering design process working on authentic design problems identified with Duke Medical Center clinicians and local medical technology companies. This second-semester course allows the students to progress through low-to-mid-to-high fidelity prototypes and evaluate their designs in the context of industry standards. Prerequisite: Biomedical Engineering 473L.

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<th>Subject</th>
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<th>Title</th>
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<tr>
<td>BME</td>
<td>474L</td>
<td>Medical Device Design II</td>
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</tbody>
</table>

**Description**

This course is the second of a two-semester design sequence that immerses students in a formal engineering design process working on authentic design problems identified with Duke Medical Center clinicians and local medical technology companies. This second-semester course allows the students to progress through low-to-mid-to-high fidelity prototypes and evaluate their designs in the context of industry standards. Prerequisite: Biomedical Engineering 473L.

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<tr>
<td>BME</td>
<td>490L</td>
<td>Special Topics in Biomedical Engineering Design (DR)</td>
</tr>
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</table>

**Description**

Design of biomedical devices emphasizing formal engineering design principles, as well as building and testing a prototype. Lecture topics include engineering design, intellectual property protection, engineering ethics, and safety. Oral and written reports are required. Used for new design courses in BME. Prerequisites: Senior standing and consent of the instructor.
BME493 - Projects in Biomedical Engineering (GE)

Subject: BME  
Catalog Number: 493  
Title: Projects in Biomedical Engineering (GE)

Description: For juniors and seniors who express a desire for such work and who have shown aptitude for research in one area of biomedical engineering. Consent of instructor required.

BME493-1 - Projects in Biomedical Engineering (GE)

Subject: BME  
Catalog Number: 493-1  
Title: Projects in Biomedical Engineering (GE)

Description: For juniors and seniors who express a desire for such work and who have shown aptitude for research in one area of biomedical engineering. Consent of instructor required. Half-credit version of BME 493.

BME494 - Projects in Biomedical Engineering (GE)

Subject: BME  
Catalog Number: 494  
Title: Projects in Biomedical Engineering (GE)

Description: For juniors or seniors who express a desire for such work and who have shown aptitude for research in one area of biomedical engineering. Consent of instructor required.

BRAINSOC390S - Bass Connections in Brain and Society: Special Topics

Subject: BRAINSOC  
Catalog Number: 390S  
Title: Bass Connections in Brain and Society: Special Topics

Description: Bass Connections in Brain and Society: Special Topics; course content varies by semester. Enrollment requires prior acceptance into an associated Bass Connections in Brain and Society project team, which is managed separately by Bass Connections administration. Only students admitted into a project team will be given instructor consent for enrollment.

BRAINSOC393T - Bass Connections in Brain & Society Research Team

Subject: BRAINSOC  
Catalog Number: 393T  
Title: Bass Connections in Brain & Society Research Team

Description: Bass Connections Year-long Project Team. Topics vary by semester and section. Interdisciplinary teams of students work with faculty to build connections between neuroscience and socially challenging questions rooted in policy, economics, ethics, law, the humanities and/or healthcare. Teams may include external partners. A team's work may parallel or contribute to ongoing faculty-initiated research. Teams will participate in seminars, data collection and analysis, lab work, field work, and other relevant learning, research or service experiences. Requires final paper or product containing significant analysis and interpretation.

BRAINSOC394T - Bass Connections in Brain & Society Research Team

Subject: BRAINSOC  
Catalog Number: 394T  
Title: Bass Connections in Brain & Society Research Team

Description: Bass Connections Year-long Project Team. Topics vary by semester and section. Interdisciplinary teams of students work with faculty to build connections between neuroscience and socially challenging questions rooted in policy, economics, ethics, law, the humanities and/or healthcare. Teams may include external partners. A team's work may parallel or contribute to ongoing faculty-initiated research. Teams will participate in seminars, data collection and analysis, lab work, field work, and other relevant learning, research or service experiences. Requires final paper or product containing significant analysis and interpretation. Instructor consent required.
BRAINSOC395 - Bass Connections in Brain and Society: Interdisciplinary Team Projects

**Subject**: BRAINSOC  
**Catalog Number**: 395  
**Title**: Bass Connections in Brain and Society: Interdisciplinary Team Projects

**Description**
Teams of undergraduate and graduate/professional students work with faculty to identify, explore and develop solutions to important, strategic issues where brain science impacts and is informed by society. Teams may also include postdoctoral fellows, visiting fellows and researchers, community partners, and other experts from business, government, and the non-profit sector. The work may run in parallel with or contribute to ongoing, faculty-initiated research. Teams will participate in seminars, lectures, laboratory-based research, field work, and/or other learning experiences relevant to the project. Requires substantive paper or product containing significant analysis and interpretation. Enrollment requires prior acceptance into an associated Bass Connections in Brain and Society project team. Only students admitted into a project team will be given consent for enrollment.

BRAINSOC395-1 - Bass Connections in Brain and Society: Interdisciplinary Team Projects

**Subject**: BRAINSOC  
**Catalog Number**: 395-1  
**Title**: Bass Connections in Brain and Society: Interdisciplinary Team Projects

**Description**
Teams of undergraduate and graduate/professional students work with faculty to identify, explore and develop solutions to important, strategic issues where brain science impacts and is informed by society. Teams may also include postdoctoral fellows, visiting fellows and researchers, community partners, and other experts from business, government, and the non-profit sector. The work may run in parallel with or contribute to ongoing, faculty-initiated research. Teams will participate in seminars, lectures, laboratory-based research, field work, and/or other learning experiences relevant to the project. Requires substantive paper or product containing significant analysis and interpretation. Enrollment requires prior acceptance into an associated Bass Connections in Brain and Society project team. Only students admitted into a project team will be given consent for enrollment.

BRAINSOC395T - Bass Connections in Brain & Society Research Team

**Subject**: BRAINSOC  
**Catalog Number**: 395T  
**Title**: Bass Connections in Brain & Society Research Team

**Description**
Tutorial course for Bass Connections yearlong project team. Topics vary by semester and section. Teams of undergraduate and graduate students work with faculty to build connections between neuroscience and socially challenging questions in healthcare, the humanities, policy, economics, ethics and law. Teams may include external partners. Work may run in parallel with or contribute to ongoing faculty-led research. Teams participate in seminars, data collection and analysis, lab work, field work, and other relevant learning or research experiences. Requires final paper or product containing significant analysis and interpretation. Instructor consent required.

BRAINSOC396 - Bass Connections in Brain and Society 2: Interdisciplinary Team Projects

**Subject**: BRAINSOC  
**Catalog Number**: 396  
**Title**: Bass Connections in Brain and Society 2: Interdisciplinary Team Projects

**Description**
Teams of undergraduate/graduate/professional students work with faculty in a second term to identify, explore, and develop solutions to strategic issues in brain science and society. Teams may also include fellows, community partners, and other experts from business, government, and the non-profit sector. The work may run in parallel with or contribute to ongoing, faculty-initiated research. Teams will participate in seminars, lectures, laboratory-based research, field work, and/or other learning experiences relevant to the project. Requires substantive paper or product containing significant analysis and interpretation. Enrollment requires prior acceptance into an associated Bass Connections in Brain and Society project team, which is managed separately by Bass Connections administration. Consent of the director of undergraduate studies required. Prerequisite: Brain & Society 395.
**BRAINSOC396 - Bass Connections in Brain and Society 2: Interdisciplinary Team Projects**

**Subject**: BRAINSOC  
**Catalog Number**: 396-1  
**Title**: Bass Connections in Brain and Society 2: Interdisciplinary Team Projects

**Description**

Teams of undergraduate/graduate/professional students work with faculty in a second term to identify, explore and develop solutions to strategic issues in brain science and society. Teams may also include fellows, community partners, and other experts from business, government, and the non-profit sector. The work may run in parallel with or contribute to ongoing, faculty-initiated research. Teams will participate in seminars, lectures, laboratory-based research, fieldwork, and/or other learning experiences relevant to the project. Requires substantive paper or product containing significant analysis and interpretation. Enrollment requires prior acceptance into an associated Bass Connections in Brain and Society project team, which is managed separately by Bass Connections administration. Only students admitted into a project team will be given consent for enrollment. Prerequisite: Brain & Society 395-1. Instructor consent required.

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**BRAINSOC397 - Bass Connections in Brain and Society 3: Interdisciplinary Team Projects**

**Subject**: BRAINSOC  
**Catalog Number**: 397  
**Title**: Bass Connections in Brain and Society 3: Interdisciplinary Team Projects

**Description**

Teams of undergraduate/graduate/professional students work with faculty in a third term to identify, explore and develop solutions to strategic issues in brain science and society. Teams may also include fellows, community partners, and other experts from business, government, and the non-profit sector. The work may run in parallel with or contribute to ongoing, faculty-initiated research. Teams will participate in seminars, lectures, laboratory-based research, fieldwork, and/or other learning experiences relevant to the project. Requires substantive paper or product containing significant analysis and interpretation. Prerequisite: Brain & Society 395 and 396. Instructor consent required.

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**BRAINSOC396T - Bass Connections in Brain & Society Research Team**

**Subject**: BRAINSOC  
**Catalog Number**: 396T  
**Title**: Bass Connections in Brain & Society Research Team

**Description**

Tutorial course for Bass Connections yearlong project team. Topics vary by semester and section. Teams of undergraduate and graduate students work with faculty to build connections between neuroscience and socially challenging questions in healthcare, the humanities, policy, economics, ethics and law. Teams may include external partners. Work may run in parallel with or contribute to ongoing faculty-led research. Teams participate in seminars, data collection and analysis, lab work, fieldwork, and other relevant learning or research experiences. Requires final paper or product containing significant analysis and interpretation. Instructor consent required.
### BRAINSOC397T - Bass Connections in Brain & Society Research Team

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<tr>
<td>BRAINSOC</td>
<td>397T</td>
<td>Bass Connections in Brain &amp; Society Research Team</td>
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</table>

**Description**

Tutorial course for Bass Connections yearlong project team. Topics vary by semester and section. Teams of undergraduate and graduate students work with faculty to build connections between neuroscience and socially challenging questions in healthcare, the humanities, policy, economics, ethics and law. Teams may include external partners. Work may run in parallel with or contribute to ongoing faculty-led research. Teams participate in seminars, data collection and analysis, lab work, field work, and other relevant learning or research experiences. Requires final paper or product containing significant analysis and interpretation. Instructor consent required.

### BRAINSOC398 - Bass Connections in Brain and Society 4: Interdisciplinary Team Projects

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<tr>
<td>BRAINSOC</td>
<td>398</td>
<td>Bass Connections in Brain and Society 4: Interdisciplinary Team Projects</td>
</tr>
</tbody>
</table>

**Description**

Teams of undergraduate/graduate/professional students work with faculty in a fourth term to identify, explore and develop solutions to strategic issues in brain science and society. Teams may also include fellows, community partners, and other experts from business, government, and the non-profit sector. The work may run in parallel with or contribute to ongoing, faculty-initiated research. Teams will participate in seminars, lectures, laboratory-based research, field work, and/or other learning experiences relevant to the project. Requires substantive paper or product containing significant analysis and interpretation. Prerequisite: Brain & Society 395, 396, and 397. Instructor consent required.

### BRAINSOC398-1 - Bass Connections in Brain and Society 4: Interdisciplinary Team Projects

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<tr>
<td>BRAINSOC</td>
<td>398-1</td>
<td>Bass Connections in Brain and Society 4: Interdisciplinary Team Projects</td>
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</table>

**Description**

Teams of undergraduate/graduate/professional students work with faculty in a fourth term to identify, explore and develop solutions to strategic issues in brain science and society. Teams may include fellows, community partners, and experts from business, government, and the non-profit sector. The work may run in parallel with or contribute to ongoing, faculty-initiated research. Teams will participate in seminars, lectures, laboratory-based research, field work, and/or other learning experiences relevant to the project. Requires substantive paper or product containing significant analysis and interpretation. Prerequisite: any three of the following courses: Brain & Society 395, 395-1, 396, 396-1, 397, and 397-1. Instructor consent required.

### BRAINSOC398T - Bass Connections in Brain & Society Research Team

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<tr>
<td>BRAINSOC</td>
<td>398T</td>
<td>Bass Connections in Brain &amp; Society Research Team</td>
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</tbody>
</table>

**Description**

Tutorial course for Bass Connections yearlong project team. Topics vary by semester and section. Teams of undergraduate and graduate students work with faculty to build connections between neuroscience and socially challenging questions in healthcare, the humanities, policy, economics, ethics and law. Teams may include external partners. Work may run in parallel with or contribute to ongoing faculty-led research. Teams participate in seminars, data collection and analysis, lab work, field work, and other relevant learning or research experiences. Requires final paper or product containing significant analysis and interpretation. Instructor consent required.
**BRAINSOC401T - Bass Connections in Brain & Society Research Team**

Subject: BRAINSOC  
Catalog Number: 401T  
Title: Bass Connections in Brain & Society Research Team

**Description**
Bass Connections Year-long Project Team. Topics vary by semester and section. Teams of undergraduate and graduate students work with faculty to build connections between neuroscience and socially challenging questions in healthcare, the humanities, policy, economics, ethics, and law. Teams may include external partners. A team's work may run in parallel with or contribute to ongoing faculty-led research. Teams will participate in seminars, data collection and analysis, lab work, fieldwork, and other relevant learning or research experiences. Requires final paper or product containing significant analysis and interpretation. Instructor consent is required.

**BRAINSOC495 - Bass Connections Brain & Society Research Independent Study**

Subject: BRAINSOC  
Catalog Number: 495  
Title: Bass Connections Brain & Society Research Independent Study

**Description**
Bass Connections Research Independent Study. Topics vary by semester and section. Student enrolled will work with faculty mentor to investigate intersections between neuroscience and socially challenging questions in healthcare, the humanities, policy, economics, ethics and law. Work may also engage the team's external partners. Student enrolled will contribute to teamwork, but otherwise function independently in data collection and analysis, lab work, field work, and/or other relevant research activities. Requires end-of-term paper or scholarly product containing significant analysis and interpretation. Instructor consent required.

**BRAINSOC496 - Bass Connections Brain & Society Research Independent Study**

Subject: BRAINSOC  
Catalog Number: 496  
Title: Bass Connections Brain & Society Research Independent Study

**Description**
Bass Connections Research Independent Study. Topics vary by semester and section. Student enrolled will work with faculty mentor to investigate intersections between neuroscience and socially challenging questions in healthcare, the humanities, policy, economics, ethics and law. Work may also engage the team's external partners. Student enrolled will contribute to teamwork, but otherwise function independently in data collection and analysis, lab work, field work, and/or other relevant research activities. Requires end-of-term paper or scholarly product containing significant analysis and interpretation. Instructor consent required.

**CEE132L - Engineering the Planet**

Subject: CEE  
Catalog Number: 132L  
Title: Engineering the Planet

**Description**
Four broad disciplines within civil and environmental engineering will be explored and over-arching experiential projects will apply theory and practice to real-world design problems. The course will examine the societal context of these disciplines and their contributions to and impacts on the built environment. Specifically, the course will examine air, water, land use, shelter, systems, and energy and students will be challenged with issues of economics, social impact, green engineering, sustainable design and building practices.
**CEE201L - Uncertainty Design and Optimization**

**Subject**  
CEE

**Catalog Number**  
201L

**Title**  
Uncertainty Design and Optimization

**Description**  
Principles of design as a creative and iterative process involving problem statements, incomplete information, conservative assumptions, constraining regulations, and uncertain operating environments. Parameterization of costs and constraints and formulation of constrained optimization problems. Analytical and numerical solutions to constrained optimization problems. Evaluation of design solutions via sensitivity and risk analysis. Application to design problems in civil and environmental engineering. Prerequisite: Engineering 201L.

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**CEE205 - Practical Methods in Civil Engineering**

**Subject**  
CEE

**Catalog Number**  
205

**Title**  
Practical Methods in Civil Engineering

**Description**  
Introduction to the practical methods used by Civil Engineers, including surveying, computer-aided-design, geographical information systems, and use of the mills, lathes, and other machine tools.

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**CEE290 - Special Topics in Civil and Environmental Engineering**

**Subject**  
CEE

**Catalog Number**  
290

**Title**  
Special Topics in Civil and Environmental Engineering

**Description**  
A course on a special topic within the civil and environmental engineering department.

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**CEE291 - Independent Study in Civil and Environmental Engineering**

**Subject**  
CEE

**Catalog Number**  
291

**Title**  
Independent Study in Civil and Environmental Engineering

**Description**  
Study arranged on a special topic by an instructor with related interests and expertise. Consent of instructor and director of undergraduate studies required.

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**CEE292 - Independent Study in Civil and Environmental Engineering**

**Subject**  
CEE

**Catalog Number**  
292

**Title**  
Independent Study in Civil and Environmental Engineering

**Description**  
Study arranged on a special topic by an instructor with related interests and expertise. Consent of instructor and director of undergraduate studies required.

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**CEE293 - Research Independent Study in Civil and Environmental Engineering**

**Subject**  
CEE

**Catalog Number**  
293

**Title**  
Research Independent Study in Civil and Environmental Engineering

**Description**  
Research project mentored by an instructor with related interests and expertise. Course may be taken by students who have demonstrated aptitude for independent work. Consent of instructor and director of undergraduate studies required.
CEE294 - Research Independent Study in Civil and Environmental Engineering

Subject: CEE  
Catalog Number: 294  
Title: Research Independent Study in Civil and Environmental Engineering

Description: Research project mentored by an instructor with related interests and expertise. Course may be taken by students who have demonstrated aptitude for independent work. Consent of instructor and director of undergraduate studies required.

CEE301L - Fluid Mechanics

Subject: CEE  
Catalog Number: 301L  
Title: Fluid Mechanics

Description: Physical properties of fluids; fluid-flow concepts and basic equations; continuity, energy, and momentum principles; dimensional analysis and dynamic similitude; viscous effects; applications emphasizing real fluids. Selected laboratory work. Corequisites: Engineering 244L and Mathematics 353.

CEE302L - Introduction to Soil Mechanics

Subject: CEE  
Catalog Number: 302L  
Title: Introduction to Soil Mechanics

Description: Origin and composition of soils, soil structure. Flow of water through soils. Environmental geotechnology: land waste disposal, waste containment, and remediation technologies. Soil behavior under stress; compressibility, shear strength. Elements of mechanics of soil masses with application to problems of bearing capacity of foundations, earth pressure on retaining walls, and stability of slopes. Laboratory included. Prerequisite: Civil and Environmental Engineering 301L.

CEE311 - Architectural Engineering I

Subject: CEE  
Catalog Number: 311  
Title: Architectural Engineering I

Description: Analysis of the building through the study of its subsystems (enclosure, space, structural, environmental-control). Building materials and their principal uses in the enclosure and structural subsystems. Computer aided design. Field trips. Prerequisite: junior or senior standing, consent of instructor for non-engineering students.
CEE315-20 - Engineering Sustainable Design and the Global Community: Structural Focus

Subject  
CEE

Catalog Number  
315-20

Title  
Engineering Sustainable Design and the Global Community: Structural Focus

Description  
Design and testing of solutions to complex interdisciplinary design products in a service-learning context with a focus on structural products. Technical design principles; sustainable and engineering best practices; prototype formation, testing and evaluation; and establishment of research and analysis methodologies in a community-based research experience. Working in partnership with a community agency (local, national, or international) and participation in an experimental learning process by engineering a design solution for an identified community need. Evaluation focused on design deliverables, fabricated prototypes and a critical reflection of the experimental learning process.

CEE315-60 - Engineering Sustainable Design and the Global Community: Environmental Focus

Subject  
CEE

Catalog Number  
315-60

Title  
Engineering Sustainable Design and the Global Community: Environmental Focus

Description  
Design and testing of solutions to complex interdisciplinary design products in a service-learning context with a focus on structural products. Technical design principles; sustainable and engineering best practices; prototype formation, testing and evaluation; and establishment of research and analysis methodologies in a community-based research experience. Working in partnership with a community agency (local, national, or international) and participation in an experimental learning process by engineering a design solution for an identified community need. Evaluation focused on design deliverables, fabricated prototypes and a critical reflection of the experimental learning process. Prerequisite: Engineering 201L or Electrical and Computer Engineering 110L or consent of instructor.

CEE365 - Hydrologic and Environmental Data Analysis

Subject  
CEE

Catalog Number  
365

Title  
Hydrologic and Environmental Data Analysis

Description  
Focus on development of quantitative approaches used to interpret observations on hydrological and environmental processes across space and time, with application to case studies in water science. In this course, we will (1) generate knowledge of fundamental processes in aquatic ecosystems as they relate to contemporary issues, (2) apply data science skills to datasets in the water resources field, and (3) quantitatively explore a topic in aquatic science through an in-depth course project. Recommended prerequisite: prior experience with computational software (R preferred; Stata, MATLAB, and/or GIS acceptable). Instructor consent required.

CEE393 - Research Independent Study in Civil and Environmental Engineering

Subject  
CEE

Catalog Number  
393

Title  
Research Independent Study in Civil and Environmental Engineering

Description  
Research project mentored by an instructor with related interests and expertise. Course may be taken by junior and senior students who have demonstrated aptitude for independent work. Consent of instructor and director of undergraduate studies required.
### CEE394 - Research Independent Study in Civil and Environmental Engineering

**Subject**  
CEE  

**Catalog Number**  
394  

**Title**  
Research Independent Study in Civil and Environmental Engineering  

**Description**  
Research project mentored by an instructor with related interests and expertise. Course may be taken by junior and senior students who have demonstrated aptitude for independent work. Consent of instructor and director of undergraduate studies required.

### CEE411 - Architectural Engineering II

**Subject**  
CEE  

**Catalog Number**  
411  

**Title**  
Architectural Engineering II  

**Description**  
Design and integration of building subsystems (enclosure, space, structural, environmental-control) in the design of a medium-sized building. Prerequisite: Civil and Environmental Engineering 311 or consent of instructor.

### CEE421L - Matrix Structural Analysis

**Subject**  
CEE  

**Catalog Number**  
421L  

**Title**  
Matrix Structural Analysis  

**Description**  
Development of stiffness matrix methods from first principles. Superposition of loads and elements. Linear analysis by hand and computer of plane and space structures comprising one-dimensional truss and beam elements. Prerequisites: Engineering 201L and Mathematics 216.

### CEE422L - Concrete and Composite Structures

**Subject**  
CEE  

**Catalog Number**  
422L  

**Title**  
Concrete and Composite Structures  

**Description**  
Properties and design of concrete. Analysis and design of selected reinforced concrete structural elements according to strength design methodology. Mechanics forming the foundation of the methodology is featured. Laboratory work on properties of aggregates, concrete, and reinforced concrete. Prerequisite: Engineering 201L.

### CEE423L - Metallic Structures

**Subject**  
CEE  

**Catalog Number**  
423L  

**Title**  
Metallic Structures  

**Description**  
Design of tension, compression, and flexural members. Bolted and welded connections. Design by LRFD methodology. Selected laboratory work. Prerequisite: Engineering 201L.

### CEE429 - Integrated Structural Design

**Subject**  
CEE  

**Catalog Number**  
429  

**Title**  
Integrated Structural Design  

**Description**  
Student design teams complete a preliminary design of an actual structural engineering project and present the design to a panel of civil engineering faculty and practitioners. A written technical report is required. Topics to be addressed include: the design process; cost estimation; legal, ethical, and social aspects of professional engineering practice; short-term and long-term design serviceability considerations. Open only to civil engineering students during their final two semesters. Prerequisites: Civil and Environmental Engineering 421L, 422L, and 423L.
CEE461L - Environmental Aquatic Chemistry

**Subject**: CEE  
**Catalog Number**: 461L  
**Title**: Environmental Aquatic Chemistry

**Description**
Principles of chemical equilibria and kinetics as applied in environmental engineering and science processes. Topics include acid-base equilibrium, the carbonate system, metal complexation, oxidation/reduction reactions, mineral phase solubility and surface sorption. Applied environmental systems include water treatment, soil remediation, air pollution and green engineering. Laboratory included. Prerequisite: Chemistry 20 or 21 or 101DL or 110DL or 201DL.

CEE462L - Applied Biological Principles and Processes in Environmental Engineering

**Subject**: CEE  
**Catalog Number**: 462L  
**Title**: Applied Biological Principles and Processes in Environmental Engineering

**Description**
Fundamentals of microbiology as it relates to biological environmental engineering processes. Topics include microbial metabolism, microbial kinetics and stoichiometry, and bioreactor models. Applications include unit processes in wastewater treatment, bioremediation, bioreactors, waste to bioenergy. Laboratory included. Recommended for juniors and above.

CEE463L - Water Resources Engineering

**Subject**: CEE  
**Catalog Number**: 463L  
**Title**: Water Resources Engineering

**Description**
Descriptive and quantitative hydrology, hydraulics of pressure conduits and measurement of flow, compound pipe systems, analysis of flow in pressure distribution systems, open channel flow, reservoirs and distribution system storage. Groundwater hydrology and well-hydraulics. Probability and statistics in water resources. Selected laboratory and field exercises, computer applications. Prerequisite: Civil and Environmental Engineering 301L.

CEE469 - Integrated Environmental Design

**Subject**: CEE  
**Catalog Number**: 469  
**Title**: Integrated Environmental Design

**Description**
Student design teams complete a preliminary design of an actual environmental engineering project and present the design to a panel of civil engineering faculty and practitioners. A written technical report is required. Topics to be addressed include: the design process; cost estimation; legal, ethical, and social aspects of professional engineering practice; short-term and long-term design serviceability considerations. Open only to civil engineering students during their final two semesters. Prerequisites: Civil and Environmental Engineering 461L, 462L, and 463L.

CEE490 - Special Topics in Civil and Environmental Engineering

**Subject**: CEE  
**Catalog Number**: 490  
**Title**: Special Topics in Civil and Environmental Engineering

**Description**
A course on a special topic within the civil and environmental engineering department.

CEE491 - Independent Study in Civil and Environmental Engineering

**Subject**: CEE  
**Catalog Number**: 491  
**Title**: Independent Study in Civil and Environmental Engineering

**Description**
Study arranged on a special topic by an instructor with related interests and expertise. Consent of instructor and director of undergraduate studies required.
CEE492 - Independent Study in Civil and Environmental Engineering

Subject: CEE  
Catalog Number: 492  
Title: Independent Study in Civil and Environmental Engineering  
Description: Study arranged on a special topic by an instructor with related interests and expertise. Consent of instructor and director of undergraduate studies required.

CEE493 - Research Independent Study in Civil and Environmental Engineering

Subject: CEE  
Catalog Number: 493  
Title: Research Independent Study in Civil and Environmental Engineering  
Description: Research project mentored by an instructor with related interests and expertise. Course may be taken by junior and senior students who have demonstrated aptitude for independent work. Consent of instructor and director of undergraduate studies required.

CEE494 - Research Independent Study in Civil and Environmental Engineering

Subject: CEE  
Catalog Number: 494  
Title: Research Independent Study in Civil and Environmental Engineering  
Description: Research project mentored by an instructor with related interests and expertise. Course may be taken by junior and senior students who have demonstrated aptitude for independent work. Consent of instructor and director of undergraduate studies required.

CELLBIO451 - Introductory Human Physiology

Subject: CELLBIO  
Catalog Number: 451  
Title: Introductory Human Physiology  
Description: Focus on human organ-system physiology; cellular physiology; basic concepts and principles underlying the physiologic function of each organ system and their integration to maintain homeostasis; application of physiologic principles to interpret clinical aspects of failure of these systems; organ systems include: nervous, musculoskeletal, cardiovascular, respiratory, gastrointestinal, urinary, endocrine, and reproductive. Online course.

CELLBIO493 - Research Independent Study

Subject: CELLBIO  
Catalog Number: 493  
Title: Research Independent Study  
Description: Individual research in a field of special interest under the supervision of a faculty member, the central goal of which is a substantive paper or written report containing significant analysis and interpretation of a previously approved topic. Consent of instructor required.

CESC201 - Introduction to Engaged Citizenship and Social Change

Subject: CESC  
Catalog Number: 201  
Title: Introduction to Engaged Citizenship and Social Change  
Description: Introduction to key concepts, theories, and critiques of civic engagement and social change, with a focus on competing notions of democratic citizenship. Examination of voluntarism, philanthropy, community service, political participation, social activism and other forms of community engagement. Critical reflection on ethical issues related to community engagement and social change, including critiques of progressivism and service. Students will also be asked to apply these various approaches to pressing social issues of our time, such as income inequality, environmental justice, education reform and gender and race equality.
**CESC201S - Introduction to Engaged Citizenship and Social Change (Gateway Course)**

**Subject**  
CESC

**Catalog Number**  
201S

**Title**  
Introduction to Engaged Citizenship and Social Change (Gateway Course)

**Description**  
Introduction to key concepts, theories, and critiques of civic engagement and social change, with a focus on competing notions of democratic citizenship. Examination of voluntarism, philanthropy, community service, political participation, social activism and other forms of community engagement. Critical reflection on ethical issues related to community engagement and social change, including critiques of progressivism and service. Students will also be asked to apply these various approaches to pressing social issues of our time, such as income inequality, environmental justice, education reform and gender and race equality. Consent of instructor is required.

**CESC283 - Ethics in an Unjust World**

**Subject**  
CESC

**Catalog Number**  
283

**Title**  
Ethics in an Unjust World

**Description**  
The course considers the question, 'How can we fix poverty?' It begins by exploring the nature of poverty through a variety of descriptive metaphors (for example, poverty as a 'trap' or a 'disease'). It then considers the word 'we,' and in doing so introduces several basic understandings of ethics (deontology, utilitarianism, virtue ethics, etc.) Finally it considers the word 'fix' and offers three models for responding to poverty: working for, working with, and being with. Each model explores several examples of good practice followed by critical reflection as students engage with opportunities in Durham displaying each approach.

**CESC391 - Independent Study**

**Subject**  
CESC

**Catalog Number**  
391

**Title**  
Independent Study

**Description**  
Directed readings in a field of special interest under the supervision of a faculty member, the central goal of which is a substantive paper or project on a previously approved topic. Consent of instructor and director of undergraduate studies required. For students enrolled in the Civic Engagement and Social Change Certificate Program.

**CESC401S - The Adventure of Citizenship: Lives of Civic Engagement**

**Subject**  
CESC

**Catalog Number**  
401S

**Title**  
The Adventure of Citizenship: Lives of Civic Engagement

**Description**  
What does it mean to be a citizen and live a civic life? In this course students will integrate academic content with their own community based experiences to understand and critique their understandings of civic engagement and social change. Students will reflect on their Duke experience and begin to chart their post Duke futures. They will gain knowledge of the historical context of democratic citizenship, understanding of the relationship between theory and practice, and familiarity with the contestations of civic engagement that emerge from considerations of race, class, and gender. Students will undertake independent projects to study those who have lived civic lives.
<table>
<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM</td>
<td>101DL</td>
<td>Core Concepts in Chemistry</td>
<td>Emphasizes core concepts required for organic chemistry, including atomic and molecular structure, chemical equilibrium with applications to acids and bases, thermodynamics, chemical kinetics, and reaction mechanisms. Relevance and integrated nature of these concepts illustrated through applications to a modern theme in chemistry, e.g. in biological, materials, or environmental chemistry. Laboratory illustrates experimental applications of these core concepts. Not open to students who have credit for Chemistry 21.</td>
</tr>
<tr>
<td></td>
<td>101L9</td>
<td>Core Concepts in Chemistry (Lab)</td>
<td>Lab component for Chemistry 101DL.</td>
</tr>
<tr>
<td>CHEM</td>
<td>110DL</td>
<td>Honors Chemistry: Core Concepts in Context</td>
<td>Emphasizes core concepts required for organic chemistry, including atomic and molecular structure, chemical equilibrium with applications to acids and bases, thermodynamics, chemical kinetics, and reaction mechanisms. Strong emphasis on applications of these concepts in context of large, interdisciplinary scientific challenge, e.g. in cancer biology or nanoscience. Laboratory illustrates experimental applications of these core concepts. Students may not receive credit for both Chemistry 101DL and 110DL.</td>
</tr>
<tr>
<td></td>
<td>110L9</td>
<td>Honors Chemistry: Core Concepts in Context (Lab)</td>
<td>Lab component for Chemistry 110DL.</td>
</tr>
<tr>
<td>CHEM</td>
<td>130L</td>
<td>The Chemistry and Physics of Cooking</td>
<td>Explores the chemistry and physics of cooking, including how famous chefs use basic science to create gastronomic art. Includes both lecture and laboratory components. Recommended prerequisite: Chemistry 99D or an equivalent background in chemistry.</td>
</tr>
<tr>
<td></td>
<td>180</td>
<td>Chemistry Outreach: Sharing Chemistry with the Community</td>
<td>Principles of chemistry outreach with emphasis on chemical demonstrations. Activities include readings, discussion, and practice related to staging effective demonstrations, as well as structured service-learning experiences in local schools and other venues. Societal issues relevant to chemistry outreach will be examined, along with assessment and pedagogical strategies. Participation in service-learning is required. Prerequisites: Chemistry 101DL, or 110DL, or 20, or 21.</td>
</tr>
</tbody>
</table>
CHEM190FS - Special Topics in Chemistry

Subject: CHEM  
Catalog Number: 190FS  
Title: Special Topics in Chemistry  

Description: Focus version of Chemistry 190S.

CHEM20 - General Chemistry Credit

Subject: CHEM  
Catalog Number: 20  
Title: General Chemistry Credit

Description: Pre-matriculation credit awarded for a score of 4 on the College Board AP chemistry examination (or the equivalent). Recommended placement is Chemistry 110DL, but a student may choose to take Chemistry 101DL without loss of credit. Students completing both Chemistry 101DL and 210DL, or both Chemistry 110DL and 210DL forfeit entrance credit for Chemistry 20.

CHEM201DL - Organic Chemistry I

Subject: CHEM  
Catalog Number: 201DL  
Title: Organic Chemistry I

Description: The structures and reactions of the compounds of carbon and the impact of selected organic compounds on society. Laboratory: techniques of separation, organic reactions and preparations, and systematic identification of compounds by their spectral and chemical properties. Prerequisite: Chemistry 101DL, or 110DL, or 21.

CHEM201DLA - Organic Chemistry I at the Duke Marine Lab

Subject: CHEM  
Catalog Number: 201DLA  
Title: Organic Chemistry I at the Duke Marine Lab

Description: The structures and reactions of the compounds of carbon and the impact of selected organic compounds on society. Laboratory: techniques of separation, organic reactions and preparations, and systematic identification of compounds by their spectral and chemical properties. Taught in Beaufort at Duke Marine Lab. Prerequisite: Chemistry 101DL, 110DL, or 21.

CHEM201L9 - Organic Chemistry Laboratory

Subject: CHEM  
Catalog Number: 201L9  
Title: Organic Chemistry Laboratory

Description: Lab

CHEM202D - Organic Chemistry II

Subject: CHEM  
Catalog Number: 202D  
Title: Organic Chemistry II

Description: Continuation of Chemistry 201DL. Recommended prerequisite: Chemistry 201DL.
CHEM202DA - Organic Chemistry II

Subject: CHEM  
Catalog Number: 202DA  
Title: Organic Chemistry II

Description: Continuation of Chemistry 201DL. Prerequisites: CHEM 101DL or CHEM 110DL or CHEM 20 or CHEM 21 credit.

CHEM202L - Organic Chemistry II Laboratory

Subject: CHEM  
Catalog Number: 202L  
Title: Organic Chemistry II Laboratory

Description: Laboratory that accompanies Chemistry 202D. Course provides hands-on synthesis, purification, and characterization of organic compounds. Major functional groups will be explored: aromatic and aliphatic compounds, carbonyls, alcohols, amines, etc. Techniques for separation of organic mixtures and determinations of yields will be practiced. Spectra (NMR, IR, UV, MS) will be collected to characterize compound structures. Responsible conduct in laboratory research practices will be emphasized, including but not limited to adherence to chemistry laboratory safety guidelines, proper laboratory notebook record keeping, analysis of data, and scientific writing.

CHEM202LA - Organic Chemistry II Laboratory

Subject: CHEM  
Catalog Number: 202LA  
Title: Organic Chemistry II Laboratory

Description: Continuation of Chemistry 201DL. Recommended prerequisite: Chemistry 201DL.

CHEM21 - General Chemistry Credit

Subject: CHEM  
Catalog Number: 21  
Title: General Chemistry Credit

Description: Pre-matriculation credit awarded for a score of 5 on the College Board AP chemistry examination (or the equivalent). Recommended placement is Chemistry 201DL, but a student may choose to take Chemistry 110DL without loss of credit. Students completing both Chemistry 101DL and 210DL, or both Chemistry 110DL and 210DL forfeit entrance credit for Chemistry 21

CHEM210D - Modern Applications of Chemical Principles

Subject: CHEM  
Catalog Number: 210D  
Title: Modern Applications of Chemical Principles

Description: Modern applications of chemistry in context of larger scientific theme, e.g. in biology, materials science, or environmental chemistry. Revisits core concepts from Chemistry 101DL or 110DL, incorporating additional topics including intermolecular interactions, phases of matter, solutions, quantitative treatment of aqueous equilibria, electron transfer reactions, and inorganic and coordination chemistry. Laboratory illustrates experimental approaches to modern problems in biological, materials, and environmental chemistry, as well as analytical and synthetic techniques. Recommended prerequisite: Chemistry 101DL or 110DL.

CHEM210L - Modern Applications of Chemical Principles Laboratory

Subject: CHEM  
Catalog Number: 210L  
Title: Modern Applications of Chemical Principles Laboratory

Description: Laboratory accompanying Chemistry 210D. Course provides hands-on synthesis, purification, and characterization of inorganic, organic, and organometallic compounds. It illustrates experimental approaches to problems in biological, materials, or environmental chemistry. Emphasis on solutions of acids and bases, buffers, or complex ions as well as electron transfer reactions and UV-Vis techniques. Responsible conduct in laboratory research practices will be emphasized, including but not limited to adherence to chemistry laboratory safety guidelines, proper laboratory notebook record keeping, analysis of data, and scientific writing.
<table>
<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM295</td>
<td>295</td>
<td>Introduction to Research Independent Study</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Description: Includes research methodology, retrieval techniques for, and use of, the chemical literature, safety in the research laboratory, the ethical conduct of research, and writing a research proposal. Co-requisite: registration for a first course in research independent study in chemistry (393) or a related area. Lecture/discussion.</td>
</tr>
<tr>
<td>CHEM301</td>
<td>301</td>
<td>Elements of Physical Chemistry</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Description: Survey of physical chemistry including quantum chemistry, molecular structure, molecular spectroscopy, thermodynamics, and kinetics. Prerequisites: Chemistry 210DL; or Chemistry 20 plus 101DL; or Chemistry 20 plus 110DL; or Chemistry 21; Mathematics 112L, and Physics 142L or 152L or 162L or consent of instructor.</td>
</tr>
<tr>
<td>CHEM301L</td>
<td>301L</td>
<td>Physical Chemistry Laboratory</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Description: Laboratory experiments designed to accompany Chemistry 301. Includes instruction and practice in writing the laboratory notebook and formal laboratory reports. Prerequisite: (or corequisite) Chemistry 301.</td>
</tr>
<tr>
<td>CHEM302</td>
<td>302</td>
<td>How Does Biology Work? The Physical and Chemical Underpinnings of Biological Nanomachines</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Description: An introduction to biophysical chemistry and molecular biophysics. Explores principles that underpin biological structure and function through such topics as: how the structure and function of biomolecules can be studied at the level of single molecules; how biomolecular machines capture energy and do work; how biomolecules function within networks to convey signals, act cooperatively, and form patterns. Recommended prerequisite: Chemistry 301 or 311 or consent of instructor.</td>
</tr>
<tr>
<td>CHEM310</td>
<td>310</td>
<td>Physical Chemistry I</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Description: Fundamentals of physical chemistry. Emphasizes quantum chemistry, molecular structure, and molecular spectroscopy. Chemistry 310L should be taken concurrently with Chemistry 310. Prerequisites: Chemistry 210DL; or Chemistry 20 plus 101DL; or Chemistry 20 plus 110DL; or Chemistry 21; Mathematics 212, Physics 142L, 152L, or 162L or consent of the instructor.</td>
</tr>
<tr>
<td>CHEM310L</td>
<td>310L</td>
<td>Physical Chemistry I Laboratory</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Description: Laboratory experiments designed to accompany Chemistry 310. Includes instruction and practice in writing the laboratory notebook and formal laboratory reports. Prerequisite: (or corequisite) Chemistry 310.</td>
</tr>
</tbody>
</table>
### CHEM311 - Physical Chemistry II

**Subject** | **Catalog Number** | **Title**  
--- | --- | ---  
CHEM | 311 | Physical Chemistry II  

**Description**  
Continuation of Chemistry 310. Fundamentals of physical chemistry. Emphasizes thermodynamics and kinetics. Chemistry 311L should be taken concurrently with Chemistry 311. Prerequisite: Chemistry 310 or consent of instructor.

### CHEM311L - Physical Chemistry II Laboratory

**Subject** | **Catalog Number** | **Title**  
--- | --- | ---  
CHEM | 311L | Physical Chemistry II Laboratory  

**Description**  
Laboratory experiments designed to accompany Chemistry 311. Prerequisite: (or corequisite). Chemistry 311 or consent of instructor.

### CHEM393 - Research Independent Study

**Subject** | **Catalog Number** | **Title**  
--- | --- | ---  
CHEM | 393 | Research Independent Study  

**Description**  
Individual research in a field of special interest under the supervision of a faculty member, the central goal of which is a substantive paper or written report containing significant analysis and interpretation of a previously approved topic. Consent of instructor and director of undergraduate studies required.

### CHEM394 - Research Independent Study

**Subject** | **Catalog Number** | **Title**  
--- | --- | ---  
CHEM | 394 | Research Independent Study  

**Description**  
See Chemistry 393. Consent of instructor and director of undergraduate studies required.

### CHEM401 - Analytical Chemistry

**Subject** | **Catalog Number** | **Title**  
--- | --- | ---  
CHEM | 401 | Analytical Chemistry  

**Description**  
Fundamentals of qualitative and quantitative measurement with emphasis on chemometrics, quantitative spectrometry, electrochemical methods, and common separation techniques. Corequisite: Chemistry 401L. Prerequisite: Chemistry 301L or 310L.

### CHEM401L - Analytical Chemistry Laboratory

**Subject** | **Catalog Number** | **Title**  
--- | --- | ---  
CHEM | 401L | Analytical Chemistry Laboratory  

**Description**  
Laboratory experiments designed to accompany Chemistry 401. Corequisite: Chemistry 401.

### CHEM410 - Inorganic Chemistry

**Subject** | **Catalog Number** | **Title**  
--- | --- | ---  
CHEM | 410 | Inorganic Chemistry  

**Description**  
Bonding, structures, and reactions of inorganic compounds studied through physical chemical concepts. Prerequisite: Chemistry 301 or 311.

### CHEM420L - Advanced Laboratory Techniques

**Subject** | **Catalog Number** | **Title**  
--- | --- | ---  
CHEM | 420L | Advanced Laboratory Techniques  

**Description**  
Techniques for synthesis include the use of high or low pressure, high or low temperature, microwave synthesis, and/or inert atmospheres. Techniques for characterization of synthetic products include electrical conductance; optical rotation NMR; UV-VIS, IR, and/or mass spectra. Prerequisite: (or corequisite) Chemistry 410.
<table>
<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM</td>
<td>493</td>
<td>Research Independent Study</td>
<td>See Chemistry 393. Consent of instructor and director of undergraduate studies required.</td>
</tr>
<tr>
<td>CHEM</td>
<td>494</td>
<td>Research Independent Study</td>
<td>See Chemistry 393. Consent of instructor and director of undergraduate studies required.</td>
</tr>
<tr>
<td>CHEM</td>
<td>496</td>
<td>Graduation with Distinction in Chemistry</td>
<td>Course for majors who are candidates for graduation with distinction in chemistry. Includes preparation of the research thesis, preparation and presentation of a poster describing student's research, and oral defense of the research thesis. Pre- or co-requisite: two semesters of research independent study. Lecture/discussion. Satisfactory/Unsatisfactory grading only.</td>
</tr>
<tr>
<td>CHEM</td>
<td>81S</td>
<td>Introduction to Research in Chemistry</td>
<td>Active participation in chemistry (or chemistry related) research group, accompanied by seminar classes covering research methodologies, case studies of ethical issues in chemistry, and communication of results of research. Prerequisite: Chemistry 99D, 101DL, 110DL, 20, or 21</td>
</tr>
<tr>
<td>CHEM</td>
<td>89S</td>
<td>First-Year Seminar</td>
<td>Topics vary each semester offered.</td>
</tr>
<tr>
<td>CHEM</td>
<td>91</td>
<td>Chemistry, Technology, and Society</td>
<td>Science, the scientific method, and background topics from chemistry, biochemistry, and environmental chemistry that enable citizens to utilize the inductive-deductive methodology of science to better evaluate the potential benefits and risks associated with selected existing and proposed technologies. Intended primarily for non-science majors. Normally not open to students who have credit for, or are enrolled in, Chemistry 20, 21, or 101DL.</td>
</tr>
</tbody>
</table>
### CHEM99D - Introduction to Chemistry and Chemical Problem Solving

**Subject** | **Catalog Number** | **Title** | **Description**  
--- | --- | --- | ---  
CHEM | 99D | Introduction to Chemistry and Chemical Problem Solving | Introductory course for students with limited background in chemistry emphasizing chemical problem solving. Topics include atoms, molecules, ions, compounds, and the periodic table, stoichiometry and chemical reactions, reactions in solution, and an introduction to chemical bonding, thermochemistry, and gas laws. To be followed by Chemistry 101DL. Not open to students who have credit for Chemistry 20, 21 or 101DL.

### CHILDPOL250S - Child Policy Research

**Subject** | **Catalog Number** | **Title** | **Description**  
--- | --- | --- | ---  
CHILDPOL | 250S | Child Policy Research | Major developmental stages of childhood and influences in a child’s life: parents/family life, schools, communities, and the economy. Emphasis on 1) applying theory for analyzing complex societal problems (often involving issues of race, class, and gender); 2) using material and methodologies from psychology, sociology, economics, and public policy. Required course for certificate program Child Policy Research, but open to all undergraduate students.

### CHILDPOL290 - Selected Child Policy Research Topics

**Subject** | **Catalog Number** | **Title** | **Description**  
--- | --- | --- | ---  
CHILDPOL | 290 | Selected Child Policy Research Topics | Topics vary but pertain to the development and social and economic well-being of children and their families. Interdisciplinary in nature and drawing material from disciplines such as sociology, psychology, public policy, economics, and education. An elective course for students pursuing Child Policy Research certificate.

### CHILDPOL290S - Selected Child Policy Research Seminar Topics

**Subject** | **Catalog Number** | **Title** | **Description**  
--- | --- | --- | ---  

### CHILDPOL325S - Equity in Early Childhood Programs and Policies

**Subject** | **Catalog Number** | **Title** | **Description**  
--- | --- | --- | ---  
CHILDPOL | 325S | Equity in Early Childhood Programs and Policies | This course will explore contemporary theories and empirical research that address issues of equity and early childhood development from birth to age 8. We will examine factors related to individuals and systems (e.g., child care, public health, housing, workforce, social services) that impact early childhood development. Students will critically consider the developmental science that has informed early childhood policies and programs; the social, political and economic forces that shape the study of young children and contributed to developmental trajectories that benefit some children while disadvantaging others; the changing roles of families; and the implications of these policies.

### CHILDPOL393 - Research Independent Study

**Subject** | **Catalog Number** | **Title** | **Description**  
--- | --- | --- | ---  
CHILDPOL | 393 | Research Independent Study | Individual research on a topic of special interest under the supervision of a faculty member, the central goal of which is a substantive paper containing significant analysis and interpretation. Consent of instructor and director of the Child Policy Research certificate program required.
**CHILDPOL490S - Special Topics in Child Policy Research**

**Subject**
CHILDPOL

**Catalog Number**
490S

**Title**
Special Topics in Child Policy Research

**Description**
Topics vary but pertain to the development and social and economic well-being of children and their families. Interdisciplinary in nature and drawing material from disciplines such as sociology, psychology, public policy, economics, and education. An elective course for students pursuing Child Policy Research certificate but open to all undergraduate students.

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**CHILDPOL495S - Multidisciplinary Approaches to Contemporary Children's Issues**

**Subject**
CHILDPOL

**Catalog Number**
495S

**Title**
Multidisciplinary Approaches to Contemporary Children's Issues

**Description**
In this course, you will learn to translate your scholarship into policy-relevant writing and actions. Students must have completed or be in the process of completing an independent research project on a topic related to children, families, or education. You will translate knowledge gained from your independent research project into several products for diverse audiences, including practitioners and policymakers. You will learn to present your academic scholarship in oral, academic, lay, public, and professional forums. Capstone course required for the Child Policy Research certificate program. Consent of Director of that certificate program required.

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**CHILDPOL89S - First-Year Seminar**

**Subject**
CHILDPOL

**Catalog Number**
89S

**Title**
First-Year Seminar

**Description**
Topics vary each semester offered. Open only to first year students.

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**CHINESE101 - First-Year Chinese I**

**Subject**
CHINESE

**Catalog Number**
101

**Title**
First-Year Chinese I

**Description**
First semester of a two-semester sequence. Designed for students with little or no knowledge of the Chinese language. Aim at developing basic communicative proficiency in Mandarin Chinese with equal attention to aural comprehension, speaking, reading, and writing skills. Learn some Chinese cultural facts and social-cultural etiquette when developing basic communicative competence in Chinese. Recognize and write approximately 250-300 characters by the end of the semester.

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**CHINESE102 - First-Year Chinese II**

**Subject**
CHINESE

**Catalog Number**
102

**Title**
First-Year Chinese II

**Description**
Continuation of Chinese 101. Designed for students with little knowledge of the Chinese language. Focus on developing basic communicative proficiency in Mandarin Chinese with equal attention to aural comprehension, speaking, reading, and writing skills. Learn some Chinese cultural facts and social-cultural etiquette when developing basic communicative competence in Chinese. Recognize and write approximately 300 characters by the end of the semester.

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**CHINESE105D - First-Year Chinese in Review I**

**Subject**
CHINESE

**Catalog Number**
105D

**Title**
First-Year Chinese in Review I

**Description**
Consolidate learning the basic elements of Chinese language and culture. Equal attention paid to the development of listening, speaking, reading and writing proficiencies. Introduction to aspects of Chinese life and culture. Open to students who had received some Chinese language instruction before coming to Duke but lacked a solid foundation in basic Chinese grammar and pronunciation. Not open for credit to students who grew up in a household speaking Mandarin Chinese. After completing Chinese 105, students will take Chinese 203.
CHINESE131 - First Year Chinese for Bilingual Learners

Subject: CHINESE  
Catalog Number: 131  
Title: First Year Chinese for Bilingual Learners

Description: Designed for students who were raised in a Chinese-speaking environment and who can converse about personal information or daily topics but have little or no reading and writing skills in Mandarin Chinese. Gain knowledge of the etymologies of Chinese characters and writing system. Substantial work on the development of reading and writing competencies in Chinese while continuing to improve aural understanding and speaking competency. Topics focus on issues concerning the aspects of bilingual and bicultural experiences specifically addressed for Chinese heritage learners.

CHINESE203 - Intermediate Chinese

Subject: CHINESE  
Catalog Number: 203  
Title: Intermediate Chinese

Description: Second-year level Mandarin Chinese. Prerequisite: Chinese 102 or its equivalent. Not open to students who have completed Chinese 232 or 242. Aiming to enhance students’ abilities in conversing on personal topics in informal situations, in reading and writing narrative and descriptive texts, and in analyzing the structure of Chinese language.

CHINESE204 - Intermediate Chinese

Subject: CHINESE  
Catalog Number: 204  
Title: Intermediate Chinese

Description: Continuation of Chinese 203. A service-learning/community-engaged labeled course. Project-based service with local/global community partners. Community-engaged course activities involving linguistic and cultural exchange. Prerequisite: Chinese 203 or its equivalent. Not open to students who have completed Chinese 232 or 242. Continued work on consolidating the language.

CHINESE205 - Intermediate-Mid Chinese

Subject: CHINESE  
Catalog Number: 205  
Title: Intermediate-Mid Chinese

Description: Second-year level Chinese for students who have completed Chinese 105 or its equivalent. Not open to students who grew up in a household speaking Mandarin Chinese. Aim to enhance the abilities in conversing on personal topics in informal situations and some social issues in formal situations. Focus on improving skills for reading and writing narrative, descriptive, and some expository texts, on developing analytical knowledge of the Chinese language structure, and on enhancing cultural literacy.

CHINESE223A - Intensive Progress in Chinese

Subject: CHINESE  
Catalog Number: 223A  
Title: Intensive Progress in Chinese

Description: Offered in the Duke Study in China Program at the University of International Business and Economics, Beijing, China. Consent of instructor required.

CHINESE224A - Intensive Progress in Chinese

Subject: CHINESE  
Catalog Number: 224A  
Title: Intensive Progress in Chinese

Description: Continuation of Chinese 223A. Offered in the Duke Study in China Program at the University of International Business and Economics, Beijing, China. Consent of instructor required.
### CHINESE232 - Intermediate Chinese for Bilingual Learners

**Subject**: CHINESE  
**Catalog Number**: 232  
**Title**: Intermediate Chinese for Bilingual Learners

**Description**  
Continuation of Chinese 131. Further development of reading and writing fluency and competencies through studying a range of topics consisting of more complex vocabulary and grammatical structures. Content covering necessary understanding of language and cultural heritage concerning Chinese customs, civilization, and history. Prerequisite: Chinese 131 or equivalent.

### CHINESE271T - Voices in Philosophy: Chinese Tutorial

**Subject**: CHINESE  
**Catalog Number**: 271T  
**Title**: Voices in Philosophy: Chinese Tutorial

**Description**  
Discussion-based course trains students to read and analyze core philosophical texts in Chinese, typically in conjunction with a lecture course offered in philosophy. Classes include close readings of original texts, discussions of interpretation and application in a variety of other forms (including film, documentary, multimedia) and real-life situations. Students examine how language/culture impact our understanding of core philosophical texts through attention to issues such as translation, vernacular, and word choice. Tutorials meet weekly for 75 minutes. Recommended prerequisite: Chinese 306 or equivalent.

### CHINESE273T - Voices in Public Policy: Mandarin Chinese Tutorial

**Subject**: CHINESE  
**Catalog Number**: 273T  
**Title**: Voices in Public Policy: Mandarin Chinese Tutorial

**Description**  
Students will explore how language and culture impact public policy and practice. Through authentic text, video, and case studies in Chinese, students will analyze public policy issues in the Chinese-speaking world, in order to develop their understanding of core issues in the field. 1/2 credit. S/U. Tutorials meet for 75 minutes/week. Taught in the target language.

### CHINESE277T-3 - Voices in Marketing: Advertising in Chinese

**Subject**: CHINESE  
**Catalog Number**: 277T-3  
**Title**: Voices in Marketing: Advertising in Chinese

**Description**  
Discussion-based course trains students to analyze all forms of advertising in Chinese. Classes explore the history and theories of advertising in China, as well as hands-on strategies for analyzing ads, with particular attention to issues such as translation, localization, and ethics. Tutorials meet weekly for 75 minutes. Does not count for the Markets & Management Studies certificate program. Prerequisite: Chinese 204 or equivalent.

### CHINESE305D - Pre-Advanced Chinese

**Subject**: CHINESE  
**Catalog Number**: 305D  
**Title**: Pre-Advanced Chinese

**Description**  
Designed for Chinese as a foreign/second language. Follows Chinese 204 or 224A as part of the language sequence. Increases students’ knowledge of more complex forms of the Chinese vocabulary system and competencies in speaking, aural comprehension, reading, and writing. Exposure to a speech variety appropriate to formal and informal speech situations. Materials drawn from newspaper articles, essays, and other readings concerning social and cultural issues in contemporary Chinese society. Emphasis on the active use of the language for communication in written and spoken forms. Recommended prerequisite: Chinese 204 or equivalent.

### CHINESE306 - Advanced Chinese II

**Subject**: CHINESE  
**Catalog Number**: 306  
**Title**: Advanced Chinese II

**Description**  
Continuation of Chinese 305. Designed for Chinese as a foreign/second language. Builds knowledge of more sophisticated linguistic forms and learning to differentiate between different types of written and spoken discourse. Development of writing skills in selected formats and genres while continuing to develop correct use of speech patterns and vocabulary and cross-cultural understanding. Content drawn from newspaper articles, essays, and other readings concerning social and cultural issues in contemporary Chinese society. Prerequisite: Chinese 305 or equivalent.
CHINESE321S - Business and Interculturality in the Chinese Society

Subject: CHINESE
Catalog Number: 321S
Title: Business and Interculturality in the Chinese Society

Description: Introduction to the basis of China’s Economic Reform from the late 1970s to 1990s; current economics and politics between China and the world; Chinese communication patterns and behavioral culture present in business settings; case studies of multinational corporations, and career preparation and job searching in Chinese-speaking countries. Focus on oral communicative skills, reading authentic texts, and case analyses of Chinese companies in domestic and global markets. Recommended prerequisite: Chinese 305, Chinese 232 or equivalent proficiency.

CHINESE321SA - Business and Interculturality in Chinese Society

Subject: CHINESE
Catalog Number: 321SA
Title: Business and Interculturality in Chinese Society

Description: Study abroad version of Chinese 321S with modifications made to accommodate internship component of course content. Introduction to topics related to recruitment, business negotiation, e-commerce, logistics management, international investment, etc. and specialized terminology for the Chinese-speaking workplace. Focus on oral, written and intercultural communication, product marketing, business practices and protocols, and case studies in mainland Chinese society. Recommended prerequisite: Chinese 325A.

CHINESE325A - Advanced Progress in Chinese

Subject: CHINESE
Catalog Number: 325A
Title: Advanced Progress in Chinese

Description: Third-year Chinese. Offered in the Duke Study in China Program at the University of International Business and Economics, Beijing, China. Consent of instructor required.

CHINESE326A - Advanced Progress in Chinese

Subject: CHINESE
Catalog Number: 326A
Title: Advanced Progress in Chinese

Description: Continuation of Chinese 325A. Third-year Chinese. Offered in the Duke Study in China Program at the University of International Business and Economics, Beijing, China. Consent of instructor required.

CHINESE331 - Modern Chinese Society and Culture through New Media

Subject: CHINESE
Catalog Number: 331
Title: Modern Chinese Society and Culture through New Media

Description: Different social and cultural issues that China is facing, including the coronavirus pandemic in Hubei, China’s artificial-intelligence boom, globalization, etc.; Content drawn from Chinese broadcast news, blogs and videos, TV shows, and documentary films; A community-engaged course or service-learning course; Engagement includes direct, project-based, or research-focused service with local/global community partners among other engaged practices; Improving language and intercultural communication skills that can be used to comprehend, analyze, and discuss real life topics and issues in modern Chinese society. Prerequisite: Chinese 232 or equivalent proficiency.

CHINESE332 - Chinese Translation and Interpretation

Subject: CHINESE
Catalog Number: 332
Title: Chinese Translation and Interpretation

Description: A third-year Chinese course focusing on Chinese translation and interpretation skills with the aim to improve students’ comprehension and communication abilities in Chinese. Different genres of authentic reading texts and real-life audio and video materials used as course materials. Topics to be covered closely related to culture, literature, society, business/economy, and science/technology. Teacher’s lectures of skills combined with students’ practices as the course format. Linguistic features and cultural practices between English and Chinese will be compared and demonstrated. Prerequisite: Chinese 232, Chinese 242, or their equivalent.
### CHINESE332D - Chinese Translation and Interpretation

**Subject**
CHINESE  

**Catalog Number**
332D  

**Title**
Chinese Translation and Interpretation  

**Description**
A third-year Chinese course focusing on Chinese translation and interpretation skills with the aim to improve students' comprehension and communication abilities in Chinese. Different genres of authentic reading texts and real-life audio and video materials used as course materials. Topics to be covered closely related to culture, literature, society, business/economy, and science/technology. Teacher's lectures of skills combined with students' practices as the course format. Linguistic features and cultural practices between English and Chinese will be compared and demonstrated. Prerequisite: Chinese 232, Chinese 242, or their equivalent.

### CHINESE333 - Advanced Chinese for Bilingual Learners

**Subject**
CHINESE  

**Catalog Number**
333  

**Title**
Advanced Chinese for Bilingual Learners  

**Description**
Continuation of Chinese 232, Literacy in Chinese. Designed for Chinese as a second language. Practice in formal and informal speech and discourse in speaking and writing. Content drawn from newspaper articles, essays, TV and radio concerning issues in contemporary China. Develops fluency and skills in writing essays and short stories while continuing to advance understanding of heritage culture and aural/oral proficiency. This is a service-learning or community-engaged course. Engagement including direct, project-based, or research-focused service with local/global community partners among other engaged practices. Prerequisite: Chinese 232 or equivalent proficiency.

### CHINESE370 - Debate in Chinese: Survey of Great Chinese Thinkers

**Subject**
CHINESE  

**Catalog Number**
370  

**Title**
Debate in Chinese: Survey of Great Chinese Thinkers  

**Description**
Introducing the main ideas of Confucianism through modern translations of canonical Chinese texts. Observing and examining the representation of information in multimedia, real-life situations, and current events. Learning the original stories behind idioms and the impact of those texts on the belief system in Chinese-speaking regions. Emphasizing oral proficiency in Chinese through various formats including inquiries, discussion, dialogue, debate, and role-play. Comparisons with respect to philosophical perspectives and approaches to manage critical issues between Chinese and Western cultures. Recommended prerequisite: Chinese 333, 407, or equivalent.

### CHINESE371S - Classical Chinese in the Modern Context I

**Subject**
CHINESE  

**Catalog Number**
371S  

**Title**
Classical Chinese in the Modern Context I  

**Description**
Introduction to Classical Chinese for the basic reader. Historical background of essential texts in the ancient period, covering classical literature, philosophy, and history. Focus on grammar, systematic sentence analysis, and distinctive functions of grammatical particles. A gateway to advanced literary reading and writing (shu-mian-yu). Enhancement of knowledge of classical literature, philosophy, and history. Recommend consultation with instructor before enrolling in course. Prerequisite: Chinese 333 or Chinese 4075.
CHINESE391 - Independent Study

**Subject**
CHINESE

**Catalog Number**
391

**Title**
Independent Study

**Description**
Individual study of language for conducting research involving sources written or spoken in the language. Students have to submit a proposal describing the purported research, types of sources to be analyzed, and kinds of language knowledge or skills they need to be equipped with. Consent of instructor and director of undergraduate studies required.

CHINESE407S - Issues in Chinese Language and Society I

**Subject**
CHINESE

**Catalog Number**
407S

**Title**
Issues in Chinese Language and Society I

**Description**
Materials from public media used to analyze diverse social phenomena and cultural issues in contemporary China. Major focus on developing literary reading and writing skills along with learning methods of writing academic Chinese essays on a wide range of complex topics. Topics include popular culture, food, marriage outlooks, Cultural Revolution, Confucianism, and social issues after the economic reform in China. Analysis of cultural and literary texts from variety of media and genres providing a basis for practice in discussion and writing.

CHINESE408S - Chinese Language and Culture through Film

**Subject**
CHINESE

**Catalog Number**
408S

**Title**
Chinese Language and Culture through Film

**Description**
This course aims to further develop students' language skills and improve their understanding of Chinese society and culture through contemporary Chinese language film. Films of different themes are covered, such as the comparison of Chinese and Western family values and relationships, youth culture and campus life, romantic love stories, migrant workers and their living situations, space travel in fiction, etc. Critical film analysis such as film genre, camera angles, lighting, sound will be discussed to help students explore and analyze the artistic characteristics of films. Recommended prerequisite: Chinese 407 or 331 or equivalent proficiency.

CHINESE421SA - The Culture of Business and Economics in Chinese

**Subject**
CHINESE

**Catalog Number**
421SA

**Title**
The Culture of Business and Economics in Chinese

**Description**
Designed for students enrolled in the DSIC business Chinese track with practicum. Introduction to topics relevant to business and efficiency, enterprise management, international trade, economic regulations, environmental protection and economic development in the Chinese business context, and specialized terminology for the Chinese-speaking workplace. Focus on oral, written and intercultural communication, product marketing, business practices and protocols, and case studies in mainland Chinese society.

CHINESE427A - Intensive Advanced Chinese

**Subject**
CHINESE

**Catalog Number**
427A

**Title**
Intensive Advanced Chinese

**Description**
Study of diverse public media in which Mandarin Chinese is the principal language of communication. Includes interviews, methods of writing Chinese essays, and rhetorical analysis on a range of topics. Equivalent of fourth-year Chinese. Offered in the Duke Study in China Program at the University of International Business and Economics, Beijing, China. Consent of instructor required.

CHINESE428A - Intensive Advanced Chinese

**Subject**
CHINESE

**Catalog Number**
428A

**Title**
Intensive Advanced Chinese

**Description**
Continuation of Chinese 427A. Equivalent of fourth-year Chinese. Offered in the Duke Study in China Program at the University of International Business and Economics, Beijing, China. Consent of instructor required.
CHINESE435S - Chinese in the Humanities I

**Subject**: CHINESE

**Catalog Number**: 435S

**Title**: Chinese in the Humanities I

**Description**
Designed for advanced learners of Chinese as a second language. Study short stories by prominent writers published in the late 1990s. Stories focus on the concerns of human beings, touching upon contemporary themes such as the recollections of the Cultural Revolution, the impact of commercialization of the traditional family, sex, drugs and crime, etc. Advance analytical competency in the language and cultural literacy.

CHINESE450S - Understanding China and the United States: Stereotypes, Conflicts, and Common Challenges

**Subject**: CHINESE

**Catalog Number**: 450S

**Title**: Understanding China and the United States: Stereotypes, Conflicts, and Common Challenges

**Description**
Designed for Chinese international students and students who have finished fourth-year Chinese language courses with an aim to enhance students' intercultural knowledge and intercultural communication skills. Authentic reading texts and video/movie clips in English and Chinese used as prompts for class discussions and course projects. Covers the stereotypes about the two countries and the two cultures, the history of Sino-US relations, the common challenges for both countries. Prerequisite: successful completion of at least one 400-level Chinese course or approval of instructor.

CHINESE455 - Modern Chinese Culture: Narratives of Home and Abroad

**Subject**: CHINESE

**Catalog Number**: 455

**Title**: Modern Chinese Culture: Narratives of Home and Abroad

**Description**
Major works in Chinese literature, film, and other cultural media in their creation of the spectacle of 'Modern China' at home and abroad. All reading materials and class discussion in Chinese. Prerequisite: Chinese language proficiency at the fourth-year level or the equivalent.

CHINESE456 - Aspects of Chinese Culture and Society

**Subject**: CHINESE

**Catalog Number**: 456

**Title**: Aspects of Chinese Culture and Society

**Description**
Topics in Chinese culture and society including media, popular culture, literature, and the arts of China. Prerequisite: Chinese language proficiency at the fourth-year level or the equivalent.

CHINESE473A - Current Issues in Modern Chinese I

**Subject**: CHINESE

**Catalog Number**: 473A

**Title**: Current Issues in Modern Chinese I

**Description**
Equivalent to fifth year. Discussion based on oral and written reports and topical readings. Offered in the Duke Study in China Program at the University of International Business and Economics, Beijing, China.

CHINESE474A - Current Issues in Modern Chinese II

**Subject**: CHINESE

**Catalog Number**: 474A

**Title**: Current Issues in Modern Chinese II

**Description**
Equivalent to fifth year. Readings and discussion of selections from modern Chinese literature, expository prose, and the Chinese press. Offered in the Duke Study in China Program at the University of International Business and Economics, Beijing, China.
<table>
<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>CINE139</td>
<td>139</td>
<td>The Hollywood Musical: Singing and Dancing the American Dream</td>
<td>Beyond its unapologetic praise of spectacularity and entertainment, what makes the Hollywood film musical a quintessential American genre? Since its origins, the Hollywood musical has been channelling various ideologies in its modes of performance and production; it has offered a space to address specific anxieties of the American society: modernity vs. nostalgia, representations of gender, ethnicity, class, and the low/high divide in arts. Emphasis will be given on its performative aspects, the relationship between choreography and song, the changing representations of the dancing body, musical styles, sexual objectification and the star persona.</td>
</tr>
<tr>
<td>CINE141S</td>
<td>141S</td>
<td>Audiovisual Cultures in East Asia: Film, Music, and Other Media</td>
<td>This seminar introduces to students to various aspects of audiovisual cultures in East Asia, including film, photography, music and other new and emerging media. It focuses on visual and sound studies and their interconnected relationship to the constitution of the sensible world within the East Asian regions while connecting to the larger global context, highlighting the global movement and cross-cultural networks of audiovisual media both enabled and complicated by technologies. Emphases are also placed on hand-on practice with individual and group projects. The goal is to not only understand audiovisual cultures critically but also actively engage in their production.</td>
</tr>
<tr>
<td>CINE142</td>
<td>142</td>
<td>LGBTQ/Queer Cinema and Cultural Production</td>
<td>This class investigates LGBTQ identities, communities and relationships pre, post, and during the Stonewall era through cinema, television, and new media. We will also explore constructions of sexuality, gender, class, race, and nationalism within the context of LGBTQ transnational film cultures and scholarship.</td>
</tr>
<tr>
<td>CINE190</td>
<td>190</td>
<td>Special Topics in Cinematic Arts</td>
<td>Special topics in Cinematic Arts.</td>
</tr>
<tr>
<td>CINE190S</td>
<td>190S</td>
<td>Special Topics in Cinematic Arts</td>
<td>Special topics in Cinematic Arts seminar.</td>
</tr>
<tr>
<td>CINE201</td>
<td>201</td>
<td>Introduction to Film Studies</td>
<td>Basic film theory and history of motion picture technology. Introduction to experimental, documentary, and narrative forms of Third World, European, and United States cinemas.</td>
</tr>
</tbody>
</table>
CINE202 - History of Documentary Film

**Subject**
CINE

**Catalog Number**
202

**Title**
History of Documentary Film

**Description**
Introduction to the history, theory, and styles of nonfiction film and video. Transformation in technologies and their influence on form, from actuality films to contemporary digital documentaries. Documentary's marginal status and surprising commercial appeal; the mixing of fiction and nonfiction strategies in cultural construction. Use of documentary as a tool for exploring individual identity, filmmaker/subject relationships, and fomenting political change.

CINE202A - History of Documentary Film

**Subject**
CINE

**Catalog Number**
202A

**Title**
History of Documentary Film

**Description**
Introduction to the history, theory, and styles of nonfiction film and video. Transformation in technologies and their influence on form, from actuality films to contemporary digital documentaries. Documentary's marginal status and surprising commercial appeal; the mixing of fiction and nonfiction strategies in cultural construction. Use of documentary as a tool for exploring individual identity, filmmaker/subject relationships, and fomenting political change.

CINE203S - Film Theory

**Subject**
CINE

**Catalog Number**
203S

**Title**
Film Theory

**Description**

CINE204S - Media Theory

**Subject**
CINE

**Catalog Number**
204S

**Title**
Media Theory

**Description**
Introduction to the material and technical infrastructure that informs and constrains the production and dissemination of knowledge. Exploration of cultural impact of technical media from writing to the internet. Combines historical and theoretical discussion with hands-on experimentation with various media, including the codex book, phonography and sound registration technology, photography, cinematography, video, virtual reality, digital computation, and the internet.

CINE205 - Contemporary Documentary Film: Filmmakers and the Full Frame Documentary Film Festival

**Subject**
CINE

**Catalog Number**
205

**Title**
Contemporary Documentary Film: Filmmakers and the Full Frame Documentary Film Festival

**Description**
Integrated with the films and filmmakers of the Full Frame Documentary Film Festival. The art form, style, and technology of contemporary documentary films. Issues of autonomy and power, politics, and public policies. Analysis of outstanding films from around the world. Presentations and discussions by filmmakers.

CINE207S - Documentary and Policy: How Documentary Influences Policy

**Subject**
CINE

**Catalog Number**
207S

**Title**
Documentary and Policy: How Documentary Influences Policy

**Description**
Examines documentaries as catalysts for change in local, state, and federal laws and regulations, with special attention to relationships between film and organizations with political influence. Looks at how documentaries have altered public sentiment and political outcomes. Uses case studies of documentary films (essay-style, journalistic, information-driven films; narrative, story-driven films; propaganda; art films; and hybrids of all of the above). Explores the question of how a film achieves influence: for example, with a high-profile theatrical and/or television release, by utilization as an educational tool, or by 'going viral' to become part of a public conversation.
**CINE208S - The Silent Film: An Introduction**

**Subject**: CINE  
**Catalog Number**: 208S  
**Title**: The Silent Film: An Introduction  

**Description**
The first thirty-five years of cinema as an emerging art form and mode of communication. Aesthetic, technical, and cultural aspects of the medium will be considered in historical context, from nineteenth-century experiments to nascent narrative conventions and the first disruptive avant-garde movements. Focus is on close reading of relevant films.

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**CINE209A - Internship in New York**

**Subject**: CINE  
**Catalog Number**: 209A  
**Title**: Internship in New York  

**Description**
Participants in this course are immersed in the professional work of New York's arts, culture, and performance industries through apprenticeship to a sponsoring artist, institution, or organization. Participants work fifteen hours per week at their internship and meet arts professionals from within and beyond Duke's alumni network. They also meet regularly with their supervising professor. In combination, this work experience, networking opportunity, and academic reflection help interns develop their professional capabilities, refine their interpersonal and workplace skills, and prepare for future work in creative industries.

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**CINE210 - Film Genres**

**Subject**: CINE  
**Catalog Number**: 210  
**Title**: Film Genres  

**Description**
A historical survey of motion picture genre as a stylistic and narrative device, including comedy, horror, the musical, the western, and science fiction.

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**CINE211S - American Film Comedy**

**Subject**: CINE  
**Catalog Number**: 211S  
**Title**: American Film Comedy  

**Description**
A historical survey of American film comedy from silent cinema to contemporary television and film.

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**CINE212 - American Dreams, American Movies**

**Subject**: CINE  
**Catalog Number**: 212  
**Title**: American Dreams, American Movies  

**Description**
A course in selected American films that create as well as reflect American identity from the beginnings of Hollywood moviemaking in the Studio System through the beginnings of Indie spirit. Nine to twelve best-loved movies, such as Mr. Smith Goes to Washington, Casablanca, Rear Window, Singin' in the Rain, and Dr. Strangelove by directors like Frank Capra, John Ford, Alfred Hitchcock, and Stanley Kubrick. The course pays attention to American cultural history, the development of the movie industry, the idea of the director as auteur, narrative form in film, and some fundamentals of film analysis. Assignments are both written and creative experiments in filmmaking, as suits class interests.

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**CINE213 - Melodrama East and West**

**Subject**: CINE  
**Catalog Number**: 213  
**Title**: Melodrama East and West  

**Description**
Melodrama as a genre in literature and as a mode of representation in film and other media. Issues include: gender construction, class formation, racial recognition, and national identity-building. Emphasis on comparative method attending American and Chinese cultures and the politics of cross-cultural representation.
CINE214S - American Independent Cinema

**Subject**  
CINE

**Catalog Number**  
214S

**Title**  
American Independent Cinema

**Description**  
Examination of the emergence, establishment, and transformations of American indie film. Addresses main genres, key films and prominent directors by looking at the aesthetic characteristics of indie films, as well as the social and institutional contexts (primarily its relationship to Hollywood cinema) that led to the creation and important impact of this filmmaking practice. Topics include Midnight Movies of the '70s, New American Cinema, Trash Cinema, Art Cinema, Black Indie Cinema, New Queer Cinema, Generation X, Smart Cinema, Neo Noir, and the Pulp Fiction success story.

CINE215 - Animated Film: A History and Aesthetic

**Subject**  
CINE

**Catalog Number**  
215

**Title**  
Animated Film: A History and Aesthetic

**Description**  
Evolution of animation from the philosophical 'toys' of the late eighteenth century to the major international entertainment form of today. Special focus on American animation as it evolved from inspired individuals like Emile Cohl and Winsor McCay to a full-blown industrial model allowing for the creation of the animated feature and contemporary special effects.

CINE216 - Cinematic Authorship

**Subject**  
CINE

**Catalog Number**  
216

**Title**  
Cinematic Authorship

**Description**  
Theories of authorship continue to generate heated debates. What is at stake in these debates and for whom? This course will consider both the historical and contemporary debates around the controversial notion of authorship as it relates to signature and style. Drawing on film and media theory, literary theory, and philosophy, we will examine how artists explore and challenge the romantic conflation of the author as a stylistic innovator, site of influence, collaborator, and iconoclast. Throughout the semester we will ask: What is an author? What is the impact of stylistic innovation in media culture? And, why does authorship matter?

CINE217A - The Arts, Culture, and Performance of New York

**Subject**  
CINE

**Catalog Number**  
217A

**Title**  
The Arts, Culture, and Performance of New York

**Description**  
This course introduces its participants to New York though its rich artistic, cultural, and performance offerings—drawn from art, dance, film, music, literature, and theater. Visiting all five boroughs, they contemplate how the identities of New Yorkers—formed by the city and by ability, class, ethnicity, gender, race, and sexuality—are performed in the theater of everyday life: in parks, streets, subways, and especially the city's diverse neighborhoods and restaurants.
### CINE220S - Production Management for Theater

**Subject**: CINE  
**Catalog Number**: 220S  
**Title**: Production Management for Theater

**Description**
What does it mean to successfully manage an artistic endeavor? How does management affect whether or not a project is successful? How can artist managers be more sensitive and responsive to the needs of their fellow collaborators? This course explores theater from the perspective of the production manager. While our focus will be theater, we'll also discuss how to apply skills such as scheduling, budgeting, writing contracts, and personnel negotiation across the performing and cinematic arts.

### CINE227S - Women and Film: Directors of the Diaspora

**Subject**: CINE  
**Catalog Number**: 227S  
**Title**: Women and Film: Directors of the Diaspora

**Description**
Black women filmmakers have been actively involved in filmmaking since the early 20th century, and occupy notable positions in the 21st century media environment. Artists such as Ava Duvernay and Julie Dash demand critical attention to black women film and video artists. Films made by Black women are constructed in a variety of forms, such as animation, documentary, experimental, and narrative. These works bring a unique perspective to the screen. This course will give students an opportunity to view films, examine the specifics of film/video production in general, compare the various works produced by women directors, and acquire the skills necessary for film/video cultural criticism.

### CINE230S - Sound, Music, and the Moving Image

**Subject**: CINE  
**Catalog Number**: 230S  
**Title**: Sound, Music, and the Moving Image

**Description**
Introduction to film studies with emphasis on uses and functions of sound, film music, sound and other aural objects such as the voice, through a selected body of works. Topics include representations of sound, music and voice, the functions of pre-existing music and their relations with the moving image in cinema and television; gendered representations of music and voice in pop and rock music videos; Hollywood practices and non-Hollywood practices.

### CINE250 - Master Filmmakers of Chinese Cinemas

**Subject**: CINE  
**Catalog Number**: 250  
**Title**: Master Filmmakers of Chinese Cinemas

**Description**
Films, documentaries, television series, and soap operas produced in Mainland China in the post-Mao era, modern and contemporary Taiwan, and Hong Kong. Topics include the history and aesthetics of the new wave cinema, soap operas as the new forum for public debate on popular culture, and debate over the relationship between Euro-American modernist and the national cinema.
CINE251SA - Berlin Film City: Movies in the Metropolis

Subject: CINE  
Catalog Number: 251SA  
Title: Berlin Film City: Movies in the Metropolis

Description: A course about Berlin's rich and unparalleled cinema history. Screenings, readings, and visits to historical studios and cinemas, film museums, archives, and film academies. The course is structured around a series of iconic films about Berlin. Units on Weimar cinema, Nazi film, DEFA (East Germany's production studio), the New German Cinema of the 1970s and 80s, post-wall film, and the twenty-first century Berlin School. Students will engage in close analysis of films in their historical context and discuss how cinema engages with issues of national, political, religious, ethnic, gender and sexual identities. Offered in English in the Duke in Berlin summer program.

CINE252 - German Film

Subject: CINE  
Catalog Number: 252  
Title: German Film

Description: Introduction to German film, film theory, and reception. Emphasis on history and cultural background of films. Topics include Expressionism, Nazi and postwar films, New German cinema, DEFA. Films subtitled; readings and discussion in English.

CINE253 - Indian Cinema

Subject: CINE  
Catalog Number: 253  
Title: Indian Cinema

Description: Sources of vitality in twentieth-century Indian cinema. The resilience of popular cinema in the face of Hollywood. Narrative and non-narrative expressive forms in folk and high culture in India. The work of Guru Dutt, Satyajit Ray, G. Aravindan, and Mani Kaul.

CINE254 - Italian Cinema

Subject: CINE  
Catalog Number: 254  
Title: Italian Cinema

Description: Introduction course to Italian cinema including silent films, Neorealism, fascist productions, Commedia all'italiana and experimentalism. Taught in English, Italian majors and minors should inquire with the professor about the possibility of concurrently enrolling in a tutorial for credit towards the language requirement for the major or minor.

CINE255 - Japanese Cinema

Subject: CINE  
Catalog Number: 255  
Title: Japanese Cinema

Description: An introduction to the history of Japanese cinema focusing on issues including the relation between the tradition-modernity or Japan-West in the development of Japanese cinema, the influence of Japanese films on the theory and practice of cinema abroad, and the ways in which cinema has served as a reflection of and an active agent in the transformation of Japanese society.

CINE256 - World of Korean Cinema

Subject: CINE  
Catalog Number: 256  
Title: World of Korean Cinema

Description: The world of Korean cinema, broadly defined in terms of national, generic, theoretical boundaries, beyond conventional auteur, genre, one-way influence, and national cinema theories. Cinematic texts examined in local, regional, and global contexts and intersections, in conversation with global theories and histories of cinema, visual cultures, and other representational forms. Variable topics informed theoretically and politically by discourses on gender/sexuality, race/ethnicity, global flows of people and cultures, popular and 'high' culture crossovers, transnational co-productions, remakes, translations and retellings. No knowledge of Korean language/ culture presumed.
<table>
<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>CINE257</td>
<td>257</td>
<td>Contemporary Israeli Cinema</td>
</tr>
<tr>
<td>CINE257S</td>
<td>257S</td>
<td>American Cinema: Redefined</td>
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<td>Course examines the way films speak to the history of American nationhood as a whole. Considers the diversity of American Cinema and Hollywood's international dominance. Explores how varieties of domestic film production develop in the shadow of the commercial film industry, how they differ from mainstream productions, and how they contribute innovations.</td>
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<tr>
<td>CINE258S</td>
<td>258S</td>
<td>Islamic Media</td>
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<td>How contemporary technologies reawaken the sense of the sacred in daily life, rather than destroy it. How technologies new and old circulate the Word in its multiple incarnations, but also cultivate modes of communal identification. How Islamic media transform the social and political landscape, as well as the way we see/feel and perceive the world. How religion has been intensified, diversified, and inflected by the information age. How this media constitutes the very experience of religion. Film, video, digital media, satellite television, social media, print media, audiocassettes, radio, music.</td>
</tr>
<tr>
<td>CINE259</td>
<td>259</td>
<td>Indian Cinema &amp; Social Change</td>
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<td>Considers the transnational purchase, aesthetic, and civic sensibilities of Indian cinema focusing on Hindi-language films. Review begins with emergence of Indian cinema in 1890s, then considers how social change became a driving force during anti-colonial resistance and nationalist reform. Course focuses on the post-independence (1947-) period, when social justice activism enters the mainframe of 'Bollywood' film. Core inquiry centers on how the cinematic imaginary of India perceives faultlines in Indian society and expresses its social voice. Themes include caste, gender, sanitation, poverty, success, religious fundamentalism, ageism, and sexuality.</td>
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<tr>
<td>CINE260</td>
<td>260</td>
<td>Anime: Origins, Forms, Mutations</td>
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<td>Historical origins of Japanese anime, as well as its status as art, narrative, genre. Ways in which anime mutates: formally (literature, manga, live action), culturally (fashion, otaku, fan communities), geographically. No prior knowledge of subject matter or Japanese language required.</td>
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<tr>
<td>CINE265</td>
<td>265</td>
<td>Anthropology and Film</td>
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<td>The study of feature films and documentaries on issues of colonialism, imperialism, war and peace, and cultural interaction. An introduction to critical film theory and film production in non-Western countries.</td>
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<tr>
<td>Subject</td>
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<tr>
<td>CINE266S</td>
<td>266S</td>
<td>Poetic Cinema</td>
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<tr>
<td>CINE268S</td>
<td>268S</td>
<td>Trauma and Nostalgia: East European Film in the 21st Century</td>
</tr>
<tr>
<td>CINE270S</td>
<td>270S</td>
<td>Storyworlds: The Art, Technology, and Pleasure of Narrative</td>
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<tr>
<td>CINE271</td>
<td>271</td>
<td>Mafia at the Movies</td>
</tr>
<tr>
<td>CINE272</td>
<td>272</td>
<td>The Middle East Through Film</td>
</tr>
<tr>
<td>CINE273</td>
<td>273</td>
<td>Religion and Film</td>
</tr>
</tbody>
</table>
CINE274 - Spies Like Us: Screening Cold War Espionage

Subject: CINE  
Catalog Number: 274  
Title: Spies Like Us: Screening Cold War Espionage

Description: When the Cold War erupted in the wake of World War II, filmmakers were poised to screen it as propaganda, entertainment (thriller, horror, science fiction), and morally reflective realism. This course explores the films/television series produced on both sides of the Iron Curtain as well as those made after the Cold War (post-1989). Discussion will focus on ethical justifications and critiques of espionage; the characterizations of the spy and those spied on, and the interactions between these protagonists; and the changing aesthetics of screening espionage.

CINE276 - America Dreams American Movies II: Independents Through Streaming

Subject: CINE  
Catalog Number: 276  
Title: America Dreams American Movies II: Independents Through Streaming

Description: This course studies contemporary American movies as they create and reflect America's self-image from the rise of independents through the innovations of the 21st century, including digital video, streaming, and the rise of high-quality TV productions. Approaches include U.S. cultural history, industry developments, and technical analysis. Directors such as Kubrick, Coppola, Spielberg, Tarantino, Lee, Moore, Cameron, Campion, Jenkins, Bigelow, Peele, DuVernay, and others up to today. At least two weeks of the semester will be devoted to TV, such as Game of Thrones, The Americans, or Watchmen. Like the film and TV industries themselves, assignments encourage creativity and collaboration.

CINE280AS - Studies in the United States Culture Industries

Subject: CINE  
Catalog Number: 280AS  
Title: Studies in the United States Culture Industries

Description: A survey of the major professions in the arts, media, and entertainment industries, featuring prominent speakers from fields such as studio and independent film and television, screenwriting, directing, producing, financing, acting, artist representation, journalism, marketing, animation, and music. Students apply theory and analysis to projects currently in production, observing live tapings, rehearsals, and screenings. Real-world case studies to examine how and why stories chosen for production shape and are shaped by societal values and discourse, domestic and global economies, and the greater world of the arts and media. Only offered on Duke in LA program.

CINE283A - Introduction to Global Los Angeles: An Interdisciplinary Survey (Service-Learning)

Subject: CINE  
Catalog Number: 283A  
Title: Introduction to Global Los Angeles: An Interdisciplinary Survey (Service-Learning)

Description: This course explores the complexities of global Los Angeles by focusing on issues that especially impact its marginalized communities. For the service-learning component, students volunteer at least 20 hours during the semester at nonprofit organizations engaged in the pursuit of social justice. This experience provides an opportunity to observe, participate in, and reflect on the day-to-day implementation of social action, policy, and organizing initiatives. As part of the volunteer commitment and in lieu of a final paper, students produce a documentary media project that communicates goals identified by and in collaboration with the community partner.
CINE284S - Russian Language and Culture through Film

Subject: CINE  
Catalog Number: 284S  
Title: Russian Language and Culture through Film  

Description:
Study of Russian cultural paradigms and constructs of self and other as demonstrated in Russia and Soviet films, primarily from 1960s to the present. Special attention given to the analysis of linguistic constructs and their cultural semantic content as well as comparative analyses of Soviet and Russian culture and Russian and European/American culture. Film and computer technology, as well as access to these technologies and their implementation, are a central part of the cultural context. Prerequisite: Russian 301S or equivalent or consent of instructor.

CINE285S - Russian Language and Culture through Film II

Subject: CINE  
Catalog Number: 285S  
Title: Russian Language and Culture through Film II  

Description:
Continuation of Russian 373S. Analysis of Russian cultural paradigms and linguistic issues through contemporary Russian and Soviet film. Film and computer technology, as well as access to these technologies and their implementation, are a central part of the cultural context. Prerequisite: Russian 301S or equivalent, or consent of instructor.

CINE286 - German History Through Film

Subject: CINE  
Catalog Number: 286  
Title: German History Through Film  

Description:
Interdisciplinary seminar at intersection of German Studies and History, taught by scholars from both disciplines. Explores ways in which films shape historical imaginations and are in themselves artifacts of history. Provides unique opportunity to learn about German past and present, and reflect on relationship between film and history.

CINE289S - Understanding Mediation

Subject: CINE  
Catalog Number: 289S  
Title: Understanding Mediation  

Description:
Examines experience as always mediated. How does text mediate expression, or language mediate subjectivity? How do images mediate power, or sounds mediate resistance? How does computation mediate agency, or networks mediate thought? But also, how do nations mediate globalization, or oil mediate energy? And how do bodies mediate liveness, or the environment mediate history? Moves from particular media forms and examples (language, literature, the fine and performing arts, audiovisual media, computational media) to focus on key theoretical concepts and debates of critical theory from twentieth and twenty-first centuries. Crosses national boundaries to understand mediation from global perspective.

CINE290 - Special Topics in Cinematic Arts

Subject: CINE  
Catalog Number: 290  
Title: Special Topics in Cinematic Arts  

Description:
Special Topics in Cinematic Arts.

CINE290A - Special Topics in Cinematic Arts

Subject: CINE  
Catalog Number: 290A  
Title: Special Topics in Cinematic Arts  

Description:
Special Topics in Cinematic Arts.
CINE295A - Arts, Film, or Media Practicum

**Subject:** CINE  
**Catalog Number:** 295A  
**Title:** Arts, Film, or Media Practicum

**Description:** Immersion in the for-profit and not-for-profit art and entertainment worlds through apprenticeship to a sponsoring artist, scholar, or institution selected to match each student’s area of interest. Each student required to submit a substantive paper containing significant analysis and interpretation that considers the relationship between the student's sponsoring institution and the larger industrial/cultural complex within the local (Los Angeles) and national economies of art, culture, and commerce. Simultaneous enrollment in Literature 290AS-1 required. Open only to students admitted to the Duke in Los Angeles Program.

CINE298S - Revealing Histories: Polish Cinema

**Subject:** CINE  
**Catalog Number:** 298S  
**Title:** Revealing Histories: Polish Cinema

**Description:** Explores the films of four famous Polish directors—Andrzej Wajda, Andrzej Munk, Krzysztof Kieślowski, and Agnieszka Holland—whose artistic approaches and ethical/political themes greatly influenced Polish and European cinema as well as Polish politics. Through viewing their movies and consulting biographical, historical, and critical materials, we’ll examine how these directors use film to reconstruct history, challenge politically or religiously orthodox myths, and suggest new ways of valuing the complexity and spiritual capacities of the individual. All texts in English translation. All films screened with subtitles.

CINE301S - Moving Image Practice

**Subject:** CINE  
**Catalog Number:** 301S  
**Title:** Moving Image Practice

**Description:** Film and digital video production in conjunction with the history and theory of these technologies. Students may produce work in 8mm, 16mm film and digital video and learn the basics of non-linear digital editing on Final Cut Pro.

CINE302S - Writing Movies and Plays: Adaptation

**Subject:** CINE  
**Catalog Number:** 302S  
**Title:** Writing Movies and Plays: Adaptation

**Description:** Theory and practice of the process of adaptation of serious literary works of fiction to screenplay or play form. Reading and analysis of literary works adapted as screenplays and plays. Project in writing an adaptation.

CINE303S - Writing the Short Film

**Subject:** CINE  
**Catalog Number:** 303S  
**Title:** Writing the Short Film

**Description:** In-depth study of the short format movie. Development of short film concept and script, including pre-production, storyboarding, and look books.

CINE304S - Ready for Prime Time: Writing the Dramatic TV Episode

**Subject:** CINE  
**Catalog Number:** 304S  
**Title:** Ready for Prime Time: Writing the Dramatic TV Episode

**Description:** Some of the best dramatic writing today can now be found on television. This class will focus on one commercial prime-time drama, past or present. Beginning with a deep immersion into the world of that show—watching all of Season One—students break into groups, coming up with their own long stories to advance the plots. Each student will pitch a story for their particular version of ‘Season Two’—developing an outline, tracking their storylines with the other members of their group, and finally writing a draft of an hour-long TV episode. Each student will write his or her own script—but will need to share notes, thoughts and feedback with their fellow writers.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>CINE305S</td>
<td>Screenwriting</td>
<td>CINE</td>
<td>305S</td>
<td>Screenwriting</td>
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<td>Description</td>
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<td></td>
<td>Advanced writing projects for feature film. Study of existing scripts and videos, application of techniques.</td>
</tr>
<tr>
<td>CINE306S</td>
<td>Writing the Movie. Introduction to the Theory and Practice of Writing for the Screen</td>
<td>CINE</td>
<td>306S</td>
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<td>Description</td>
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<td></td>
<td>Theory and practice of the process of writing for the screen. Exploration of visual storytelling; analysis of screenplays and movies; developing original stories into screenplay format. Projects: writing and presenting treatments, outlines and scenes.</td>
</tr>
<tr>
<td>CINE310S</td>
<td>Acting For the Camera</td>
<td>CINE</td>
<td>310S</td>
<td>Acting For the Camera</td>
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<td>Description</td>
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<td></td>
<td>Introduction to film and television acting. Prerequisite: Theater Studies 145S Acting.</td>
</tr>
<tr>
<td>CINE315DS</td>
<td>Environmental Issues &amp; the Documentary Arts</td>
<td>CINE</td>
<td>315DS</td>
<td>Environmental Issues &amp; the Documentary Arts</td>
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<tr>
<td></td>
<td>Description</td>
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<td></td>
<td>Survey how filmmakers, authors, photographers, and other artists have brought environmental issues to the public’s attention in the last century, and in some cases instigated profound societal and political change. Examine the nebulous distinctions between persuasion and propaganda, agenda and allegory, point of view and content. Evolve as a viewer of the environment and a maker of documentary art. Initiate your own projects to address and/or depict environmental issues in one form of a broad range of media.</td>
</tr>
<tr>
<td>CINE315S</td>
<td>Environmental Issues &amp; the Documentary Arts</td>
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<tr>
<td>CINE320S</td>
<td>Film Animation Production</td>
<td>CINE</td>
<td>320S</td>
<td>Film Animation Production</td>
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<td>Description</td>
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<td>Experimentation with various media; mastering animation techniques such as metamorphosis, timing, articulation, storytelling, sound design, special effects, and camera. Each student to produce a one-minute animated film on the Oxberry 16mm film animation stand. Not open to students who have taken this course as Film/Video/Digital 102S.</td>
</tr>
</tbody>
</table>
CINE322S - Motion Graphics for Film and Video

Subject: CINE
Catalog Number: 322S
Title: Motion Graphics for Film and Video

Description:
An exploration of techniques and theoretical approaches to motion graphics, animation and post-production effects in film and video. Readings and screenings will lead to student-produced exercises through exposure to applications in the Adobe Creative Cloud and digital editing software.

CINE331S - The Documentary Experience: A Video Approach

Subject: CINE
Catalog Number: 331S
Title: The Documentary Experience: A Video Approach

Description:
A documentary approach to the study of local communities through video production projects assigned by the course instructor. Working closely with these groups, students explore issues or topics of concern to the community. Students complete an edited video as their final project. Not open to students who have taken this course as Film/Video/Digital 105S.

CINE334S - Producing Docu-Fiction

Subject: CINE
Catalog Number: 334S
Title: Producing Docu-Fiction

Description:
Investigation of hybrid, genre-defying films that question traditional definitions of documentary and fiction. Emphasis on experimental forms, documentary reenactment, mockumentary and dramatized ‘true stories.’ Exploration of both documentary and fiction production techniques, culminating in the production of a final video project.

CINE340S - Experimental Filmmaking

Subject: CINE
Catalog Number: 340S
Title: Experimental Filmmaking

Description:
The history of avant-garde in film and video combined with production exercises.

CINE342S - Filming Art

Subject: CINE
Catalog Number: 342S
Title: Filming Art

Description:
Practice-based production course examining the filmic realization and visualization of the artistic process. Screenings of bio-pics, documentaries and experimental films focusing on artists and various art forms complement readings and hands on production exercises that will prepare students to undertake their own short video portrait of an artist or work of art.

CINE343S - Dance for the Camera

Subject: CINE
Catalog Number: 343S
Title: Dance for the Camera

Description:
The choreographic and bodily experience essential to dance for the camera. Hands on experience in videodance production through the exploration/production of several short individual and group videodance projects. Issues in creative and conceptual thinking, experimentation, pre/post video production, camera techniques, non-linear editing (Final Cut Pro), choreography for the camera. Viewings of seminal as well as experimental videodance works; discussions; readings; internet site visits; computer lab and dance studio/shooting location time; gallery/museum or video installation site visits.
Prerequisite: Intermediate or above level of any dance technique, or Dance 105S.
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</thead>
<tbody>
<tr>
<td>CINE</td>
<td>350S</td>
<td>Sound for Film and Video</td>
<td>Theory and practice of sound recording techniques and strategies for film and video. Focus on sound/image relationship, sound design and sound acquisition. Screenings and readings will reinforce practice exercises.</td>
</tr>
<tr>
<td>CINE</td>
<td>351</td>
<td>3D Modeling and Animation</td>
<td>Basic concepts of 3D modeling and animation; fundamentals of computer geometry; knowledge of basic tools of 3D software (Maya); introduction to modeling, animation, texturing, lighting, and rendering; combination of these techniques in a final project. Recommended prerequisite: Visual and Media Studies 206 or 396.</td>
</tr>
<tr>
<td>CINE</td>
<td>352S</td>
<td>Time, Space and Film</td>
<td>Exploration of temporal transformation, spatial articulation and subjectivity in the moving image. From special effects and avant-garde experiments to the long take and the fluid master. Readings and screenings inform hands-on practical exercises.</td>
</tr>
<tr>
<td>CINE</td>
<td>355S</td>
<td>Cinematography</td>
<td>In-depth investigation of cinematographic techniques and principles for motion picture production. Exercises in both film and high definition digital video. Emphasis on advanced lighting techniques, lensing, camera mobility, set operations and close analysis of master works of cinematography.</td>
</tr>
<tr>
<td>CINE</td>
<td>356S</td>
<td>16mm Film Production</td>
<td>Hands-on experience with 16mm motion picture film and photography. In-depth exploration of the techniques and aesthetics of film production, including basic screen writing, lighting, storytelling, and editing.</td>
</tr>
<tr>
<td>CINE</td>
<td>357S</td>
<td>Editing for Film and Video</td>
<td>Theory and practice of film and video editing techniques. Exploration of traditional film cutting as well as digital non-linear editing. Exercises in narrative, documentary and experimental approaches to structuring moving image materials.</td>
</tr>
<tr>
<td>CINE</td>
<td>366S</td>
<td>Video Journalism</td>
<td>Theories and concepts of television broadcasting; writing and editing for electronic media; issues of production. Students will produce a Web portfolio. Approved as a practicum course for the Policy, Journalism and Media Studies certificate.</td>
</tr>
<tr>
<td>CINE</td>
<td>371</td>
<td>News as a Moral Battleground</td>
<td>Ethical inquiry into journalism and its effect on public discourse. Issues include accuracy, transparency, conflicts of interest and fairness. Topics include coverage of national security, government secrecy, plagiarism/fabrication, and trade-offs of anonymous sourcing.</td>
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</tbody>
</table>
CINE373S - Recycled Cinema
Subject: CINE
Catalog Number: 373S
Title: Recycled Cinema
Description: Found footage filmmaking, cinematic appropriation, the use of archival materials in documentaries, and current day internet mashups. Covering early cinema, experimental and documentary cinema, television, and the internet. Key emphasis on practice based assignments with a concurrent focus on the historical impact of the field from seminal moments to the contemporary moment through films and readings on the subject. Prerequisite: 100-level or above Visual Arts course, or permission of instructor.

CINE374S - Watchdog News and Storytelling: Changing Forms of Accountability Journalism
Subject: CINE
Catalog Number: 374S
Title: Watchdog News and Storytelling: Changing Forms of Accountability Journalism
Description: Focus on evolving styles of explanatory reporting and investigative journalism. Practice fundamental research and writing techniques that journalists use to reveal complex issues and hold powerful institutions and people accountable. Identify sources, develop interviewing skills, and tap public records. Analyze stories that can serve as engaging models for your assignments, such as fact-checks, solutions-focused articles, and first-person accounts that turn the reporting process into a narrative device. Learn about editorial rules and writing conventions, including their ethical underpinnings and the role of objective methods. Talk with guest journalists about their experiences.

CINE381S - Graphic Design in Motion
Subject: CINE
Catalog Number: 381S
Title: Graphic Design in Motion
Description: Motion design is the creation of animated graphics using graphic design, typography, advertising, photography, animation, sound and filmmaking. Emphasis will be on design, conceptualization and ability to communicate ideas and work collaboratively. Learn language and principles of graphic design by developing a method for solving design problems, communicating ideas effectively, and creating professional motion design such as title credits, logo animation, and newscast that can be integrated into film, life performance or web. Photoshop, Illustrator, After Effects, and video editing software will be used. Prerequisite: one of the following: Visual Arts 102, 206, 223, or 326S, or Arts of the Moving Image 350S or 357S.

CINE385S - Visiting Filmmaker Master Courses: Special Topics
Subject: CINE
Catalog Number: 385S
Title: Visiting Filmmaker Master Courses: Special Topics
Description: Intensive production courses with visiting filmmaker. Topics vary by semester. May be taken twice.

CINE390 - Special Topics in Cinematic Arts
Subject: CINE
Catalog Number: 390
Title: Special Topics in Cinematic Arts
Description: Special topics in cinematic arts.

CINE390S - Special Topics in Cinematic Arts
Subject: CINE
Catalog Number: 390S
Title: Special Topics in Cinematic Arts
Description: Special topics seminar in cinematic arts.
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<td>CINE419A</td>
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<td>CINE420S</td>
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<td>CINE423S</td>
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<td>Black Frame: African American Documentary Film</td>
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</table>

**CINE391 - Independent Study**

**Description**

Individual work in a field of special interest under the supervision of a faculty member. Goal is a project covering a previously approved topic.

**CINE395 - Internship**

**Description**

Students may arrange academic work in conjunction with an approved internship in the moving image industry. Academic work must be with Cinematic Arts faculty and include the university minimum (one research paper) as well as reading from a bibliography and/or a viewing list approved by the instructor in advance. Prerequisite: (one of the following) CINE 201 Intro to Film Studies or VMS 202D Intro to Visual Culture or CINE 301 Moving Image Practice.

**CINE419 - Spanish Cinema from the Transition to the Present**

**Description**

Overview of Spanish cinema, from transition to our present days. Having undergone dramatic transformation in past years, Spanish film offers privileged area to study main features, novelties, contradictions, and tensions. Analyzes two chronological phases: the mid 70s to late 80s, characterized by intense cinematic negotiation with immediate past that unveils cracks and violences of normalizing erasure proposed from the political institutions; and the 90s until the present, a period marked by Spanish film's entrance in the global market, with its identitarian reassessment and emphasis in new pressing issues such as immigration, memory, and gender violence.

**CINE419A - Spanish Cinema from the Transition to the Present**

**Description**

Overview of Spanish cinema, from transition to our present days. Having undergone dramatic transformation in past years, Spanish film offers privileged area to study main features, novelties, contradictions, and tensions. Analyzes two chronological phases: the mid 70s to late 80s, characterized by intense cinematic negotiation with immediate past that unveils cracks and violences of normalizing erasure proposed from the political institutions; and the 90s until the present, a period marked by Spanish film's entrance in the global market, with its identitarian reassessment and emphasis in new pressing issues such as immigration, memory, and gender violence. Offered through Duke in Madrid program.

**CINE420S - Political Cinema in Latin America**

**Description**

What counts as ‘political cinema’? What are the possible relations between cinema and politics, particularly in Latin America? How can cinema not only comment on political issues but also perform politics through practices of production and aesthetic choices that are germane to film as a cultural form? This course explores these and related questions through a survey of landmark Latin American works from the mid-twentieth century to the present. Taught in Spanish.

**CINE423S - Black Frame: African American Documentary Film**

**Description**

This course examines black documentary film by drawing on The Full Frame Archive Film Collection. The Full Frame Documentary Film Festival is the largest film festival in the United States entirely devoted to documentary film. Students enrolled in this class will read canonic texts on the black documentary film, study camera techniques, explore the history of the Full Frame Festival, critique the role of race in social justice filmmaking and interact with documentary filmmakers.
### CINE425S - Advanced Writing for Stage and Screen

**Subject**: CINE  
**Catalog Number**: 425S  
**Title**: Advanced Writing for Stage and Screen

**Description**  
'Advanced Writing for Stage and Screen' will look at the strengths of three dramatic art-forms - playwriting, screen and TV writing - and the particular challenge they share: the concept of 'dramatic action' which provides the 'motor' for a dramatic work. Initial writing exercises will explore these dramatic-writing forms, in conjunction with the study of representative plays, films and TV series. Final projects - a play, screenplay or TV pilot - will be discussed and critiqued in class as they progress, prior to a final rewrite. Prerequisite for this course is one previous dramatic writing course - either playwriting or screenwriting.

### CINE429S - Historical Documentary Production

**Subject**: CINE  
**Catalog Number**: 429S  
**Title**: Historical Documentary Production

**Description**  
Course examines how archival footage and photographs are used in historical documentaries about struggles for social equity in America. Iconic films will be reviewed to assess editors' strategies for employing archival material in documentaries on the labor movement, civil rights movement, anti-Vietnam war movement, and early lesbian and gay rights movement. Students will then conduct research for film footage and photographs and learn practical steps needed to acquire rights to use the material. During the second half of the semester, students will be guided in the production and editing of their own short historical documentary.

### CINE439S - Screening Europe

**Subject**: CINE  
**Catalog Number**: 439S  
**Title**: Screening Europe

**Description**  
Course debates identification of Europe as a political, historical and social entity from the standpoint of cinema. Provides students with an introduction to the notion of 'European cinema' from 1945 to the present-day crisis of Brexit and migration.explores issues concerning interactions and relations between national and transnational identities, the local and the global, post-colonialism and multiculturalism, migration and nationalism, and Eastern versus Western Europe.

### CINE451S - Narrative Projects

**Subject**: CINE  
**Catalog Number**: 451S  
**Title**: Narrative Projects

**Description**  

### CINE452S - Animation Practice II

**Subject**: CINE  
**Catalog Number**: 452S  
**Title**: Animation Practice II

**Description**  
Building on foundations of animation, this course expands upon and develops a further working knowledge of challenges faced in animation production. Examines the historical origins of animation from film and digital imaging to the contemporary 3-D workflow. Skills will be integrated into a self-directed final project of the student's own design. Suggested prerequisites: CINE 320S or CINE 381S.

### CINE453S - Cinematography II

**Subject**: CINE  
**Catalog Number**: 453S  
**Title**: Cinematography II

**Description**  
Course explores the approaches, strategies, motivations, and creative processes that inform cinematography. Elements of cinematic style, visual imagination, and storytelling are discussed and explored through exercises. Students learn the relationships and responsibilities involved in the art, and are guided in the execution of the various canonical and extraordinary working methods involved in traditional, experimental, and modern cinematography. Suggested prerequisite: CINE 355S.
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<td>Special Topics In Cinematic Arts</td>
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<td>CINE499S</td>
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<tr>
<td>CLST107</td>
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<td>CLST122</td>
<td>122</td>
<td>Scribes and Scriptures: The Transmission of the Bible in Antiquity</td>
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</table>

**CINE490S - Special Topics In Cinematic Arts**

**Subject**: CINE

**Catalog Number**: 490S

**Title**: Special Topics In Cinematic Arts

**Description**: Advanced special topics investigation of major concepts and principles in arts of the moving image. Content varies with instructors.

**CINE491 - Independent Study**

**Subject**: CINE

**Catalog Number**: 491

**Title**: Independent Study

**Description**: Independent Study.

**CINE499S - Visual Arts Practice and Cinematic Arts Concentration Senior Capstone**

**Subject**: CINE

**Catalog Number**: 499S

**Title**: Visual Arts Practice and Cinematic Arts Concentration Senior Capstone

**Description**: Senior capstone seminar in advanced research in Visual Arts practice and theory, Cinematic Arts practice and theory. Capstone requires the completion of major research project or body of work, participation in regular critiques, and presentation of work at a capstone exhibition. Visual Arts students work in any given media or combination thereof. Cinematic Arts Concentration students focus on the research and/or production of works in film, video, animation, or any time-based media. Course is structured around joint critiques and guest presentations, fostering an interdisciplinary environment representative of contemporary art contexts and professional practice.

**CINE89S - First-Year Seminar**

**Subject**: CINE

**Catalog Number**: 89S

**Title**: First-Year Seminar

**Description**: Topics vary each semester offered.

**CLST107 - Roman Art and Archaeology**

**Subject**: CLST

**Catalog Number**: 107

**Title**: Roman Art and Archaeology

**Description**: Roman artistic legacy shaped Western art in profound ways. Artistic innovations: realistic portraiture, trompe l’oeil wall painting; architectural innovations: amphitheater, circus, multi-seat latrine, steam-heated bath. Explore Roman art and architecture throughout Mediterranean from late Republic to early fourth century AD. Emphasis on social and cultural contexts. Study major technical and aesthetic innovations, and impact of Roman emperors as art patrons. Class lectures and readings arranged both chronologically and thematically, with case studies of archaeology of Pompeii, Athens, Aphrodisias in Turkey.

**CLST122 - Scribes and Scriptures: The Transmission of the Bible in Antiquity**

**Subject**: CLST

**Catalog Number**: 122

**Title**: Scribes and Scriptures: The Transmission of the Bible in Antiquity

**Description**: A study of the people and communities responsible for the writing and copying of sacred literature in antiquity, with a focus on the transmission of biblical texts. Topics include: scribal education, tools or instruments, methods of copying, and (dis)similarities in practices across time, place, and religious tradition. Ancient texts now held at Duke’s Rubenstein Rare Book and Manuscript Library will form the basis of our inquiry.
### CLST139 - Seven Wonders: Monuments and Cultures of the Ancient Mediterranean

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<tr>
<td>CLST</td>
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<td>Seven Wonders: Monuments and Cultures of the Ancient Mediterranean</td>
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</tbody>
</table>

**Description**
Study of the ‘Seven Wonders’ of the ancient world: the Great Pyramids, the Hanging Gardens of Babylon, the Temple of Artemis at Ephesus, the Mausoleum at Halicarnassus, the Statue of Zeus at Olympia, the Colossus of Rhodes, and the Lighthouse of Alexandria. Course explores the meaning of these monuments to the societies that produced them, with attention to their chronological and geographical specificity. Topics include: how archaeologists approach ancient monuments; what these monuments tell us about the human experience and about life in the past; who precisely they bear witness to; and how the study of such monuments helps us to understand our own present.

### CLST141 - Age of Warriors: Pre-Roman and Italian Archaeology

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<tr>
<td>CLST</td>
<td>141</td>
<td>Age of Warriors: Pre-Roman and Italian Archaeology</td>
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</table>

**Description**
Classical archaeology is often centered on Roman and Greek civilizations, but can overlook other exciting, formative struggles. What were the earliest civilizations peopling the Italian peninsula in the first millennium BCE? This was an age of conflicts, battles, social change and dramatic events involving individuals and ethnic groups. It was an age of warriors and wars, weapons and armies, contending for the political and religious power of city-states, nations and territories. Among them, the Etruscan civilization was the one able to deeply influence the Roman and other Italic societies for several generations.

### CLST144 - Principles of Archaeology

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<tr>
<td>CLST</td>
<td>144</td>
<td>Principles of Archaeology</td>
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**Description**
Introduction to the many disciplines of archaeology, using a survey of cultures and civilizations to explain archaeological techniques, methods, theory, results, and ethics.

### CLST151 - Classical Etymology: The Greek and Latin Roots of English

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<tbody>
<tr>
<td>CLST</td>
<td>151</td>
<td>Classical Etymology: The Greek and Latin Roots of English</td>
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**Description**
Studies the Greek and Latin roots of English words, and the adoption and evolution of English derivatives from Greek and Latin. Focuses on lexical analysis and vocabulary building, with attention to sociopolitical dimensions of word development and language use.
**CLST170FS - Liberty and Equality: Ancient and Modern Perspectives**

**Subject**

CLST

**Catalog Number**

170FS

**Title**

Liberty and Equality: Ancient and Modern Perspectives

**Description**

Examines the democratic values of liberty and equality in Greek, Roman, and American political thought. Are democracy and liberty allies or foes? What is the relationship between liberty and equality? Is freedom possible under non-democratic regimes? Is individual liberty protected by equal and inalienable human rights? What is the relationship between individual liberties and aspirations for a good and just society? Why have some democratic societies embraced imperialism or slavery? Readings drawn from Aristophanes, Thucydides, Plato, Aristotle, Cicero, Epictetus, Tacitus, Jefferson, Madison, Hamilton, Lincoln, Douglass, London, Du Bois, Hamer, King, and Vonnegut, among others. Focus only.

**CLST171S - Birth of the West: Thinking about the Greek Origins of Western Civilization**

**Subject**

CLST

**Catalog Number**

171S

**Title**

Birth of the West: Thinking about the Greek Origins of Western Civilization

**Description**

Have you ever wondered about the many ways in which those in the West look back to the Greeks for the origins of civilization? There is a breathtaking array of such 'beginnings' claimed by the Greeks, such as the invention of the alphabet, the first staged drama, the rise of formal logic and philosophy, democracy, realistic sculpture, the conventions of writing history (historiography), and much else. In this course, we will think through these claims to cultural 'origins,' seeking both to learn and understand the narratives passed down to us, and to thoughtfully interrogate those narratives. An introductory course: no prior knowledge required.

**CLST181S - Greek Civilization**

**Subject**

CLST

**Catalog Number**

181S

**Title**

Greek Civilization

**Description**

The culture of the ancient Greeks from the Bronze Age to Alexander the Great: art, literature, history, philosophy, and religion. Not open to students who have had, or are taking, Classical Studies 283.

**CLST182S - Roman Civilization**

**Subject**

CLST

**Catalog Number**

182S

**Title**

Roman Civilization

**Description**

The culture of the ancient Romans from their beginnings to Constantine: art, literature, history, philosophy, and religion. Not open to students who have taken or are taking Classical Studies 284.

**CLST190 - Special Topics in Classical Studies**

**Subject**

CLST

**Catalog Number**

190

**Title**

Special Topics in Classical Studies

**Description**

Special topics in Classical studies.

**CLST190S - Special Topics in Classical Studies**

**Subject**

CLST

**Catalog Number**

190S

**Title**

Special Topics in Classical Studies

**Description**

Special Topics in Classical Studies
### CLST199 - Archaeology of Migration: Greeks, Roman, Egyptians, Etruscans

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<tr>
<td>CLST</td>
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<td>Archaeology of Migration: Greeks, Roman, Egyptians, Etruscans</td>
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</table>

**Description**

Since before recorded history massive migrations have moved people throughout the world, creating hybrid identities and new societies and destroying old ones. This course examines migration in the Mediterranean among classical Greeks, Romans, Etruscans and Egyptians in the first millennium BCE. We explore historical factors, such as famine, overpopulation, and violent conquest and enslavement, and we consider recognized and unacknowledged consequences. After introduction to mapping technologies, we end by mapping various ancient migrations and their effects. Taught online.

### CLST202 - The Romans

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<tr>
<td>CLST</td>
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<td>The Romans</td>
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</table>

**Description**

Introduction to the ancient Romans and their culture from an interdisciplinary perspective, including art, literature, politics, philosophy, and religion. Students investigate Roman expressions of cultural identity, ideology, and dissent through close study of primary sources that bear witness to the profound cultural changes from Rome’s foundation through its empire. These sources include literature (plays, poems, speeches, and historical narratives), documentary sources (letters, inscriptions, laws, graffiti), and material culture (architecture, coins, everyday objects, works of art). No prerequisites.

### CLST204 - Ancient and Medieval Epic

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<tr>
<td>CLST</td>
<td>204</td>
<td>Ancient and Medieval Epic</td>
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</table>

**Description**

Reading the major epics of antiquity in translation (Gilgamesh, Homer’s Iliad and Odyssey, Vergil’s Aeneid) and the European Middle Ages (Beowulf, Song of Roland, Dante’s Inferno), emphasizing the changing definition and concept of the hero.

### CLST206 - Classics of Page and Screen: Exploring the Iconic in Literature and Film

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<tr>
<td>CLST</td>
<td>206</td>
<td>Classics of Page and Screen: Exploring the Iconic in Literature and Film</td>
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</table>

**Description**

Exploration of ancient, medieval and modern conceptualizations of good and evil as found in the iconic heroes, villains, and buffoons of literature and film; film and literature as windows onto their contemporary historical contexts, and as indicators of social values, debates, and limits.
CLST208 - Ancient Myth

Subject: CLST  
Catalog Number: 208  
Title: Ancient Myth

Description: Myths are humanity's longest-lasting and most powerful stories. They shape our understanding of transitions and crises, and explore the boundaries between right and wrong, life and death, and the natural and the supernatural. They can also be playful, exuberant, and highly entertaining. This course introduces students to the myths of Greece and Rome, with comparative material drawn from the Hebrew Bible and other ancient texts. Throughout the course we will also think about the role of mythology today, and the way we use stories to come to terms with ourselves and our world.

CLST210 - The Good Life: Religion, Philosophy, and Life's Ultimate Concerns

Subject: CLST  
Catalog Number: 210  
Title: The Good Life: Religion, Philosophy, and Life's Ultimate Concerns

Description: What does it look like for a human life to go well? What leads to human flourishing or 'happiness' or 'success'? What is freedom? Love? Justice? What is the basis for ethics? What is our relationship to the natural world? What is the significance of death? How do our beliefs (or lack thereof) about God or the gods shape how we view the world? We will examine how philosophical or religious traditions around the globe have answered life's biggest questions. Traditions may include Confucianism, Islam, Christianity, Stoicism, Judaism, Buddhism, Hinduism, scientific naturalism, expressive individualism, and utilitarianism. Part of the Transformative Ideas Sophomore Program.

CLST211 - How to Live and How to Die: Death, Dying, and the Afterlife from Confucius to Cryonics

Subject: CLST  
Catalog Number: 211  
Title: How to Live and How to Die: Death, Dying, and the Afterlife from Confucius to Cryonics

Description: Death is one of the only completely universal human experiences, yet we resist talking about it in our everyday lives. In this course, we will investigate some of the biggest questions and issues surrounding death. We will first examine the different ways that philosophical and religious traditions have conceived of death and problems that these conceptions may raise. In the second half of our course we will focus on how death affects our actions and choices in life. How does the prospect of impermanence shape the way we live? Are there causes that are worth dying for? How should we prepare for death? Should we use new technologies to extend our lives and 'cheat' death?

CLST214 - Medicine and Human Flourishing

Subject: CLST  
Catalog Number: 214  
Title: Medicine and Human Flourishing

Description: This course examines the nature, ends, and practice of medicine as it relates to the human condition. How can medicine foster human flourishing and well-being—individual and social—against the experience of injury, pain, and suffering? Beginning with ancient Greece and its Hippocratic corpus, students explore answers to this question within a variety of historical and contemporary contexts. Taught by an interdisciplinary team of scholars that includes medical professionals, the course highlights the importance and professional relevance of posing big questions about personal meaning and human values at stake in the practice of medicine.
**CLST214D - Medicine and Human Flourishing**

**Subject**
CLST  

**Catalog Number**
214D  

**Title**
Medicine and Human Flourishing  

**Description**
This course examines the nature, ends, and practice of medicine as it relates to the human condition. How can medicine foster human flourishing and well-being—individual and social—against the experience of injury, pain, and suffering? Beginning with ancient Greece and its Hippocratic corpus, students explore answers to this question within a variety of historical and contemporary contexts. Taught by an interdisciplinary team of scholars that includes medical professionals, the course highlights the importance and professional relevance of posing big questions about personal meaning and human values at stake in the practice of medicine.

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**CLST222 - The Age of Nero: History, Art, and Literature**

**Subject**
CLST  

**Catalog Number**
222  

**Title**
The Age of Nero: History, Art, and Literature  

**Description**
The Age of Nero: History, Literature, and Art. Study of the history, literature, and art of one of the best documented, if misunderstood, periods of Roman history, with a view to separating fact from fiction, and understanding why Nero became one of history's greatest villains and whether his reputation is justified. Focus on: what makes for a 'bad' political leader; who gets to decide how history is told; how power, politics, and art intersect; how and why Nero's story resonates with us today.

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**CLST224S - 'Telling' Time, Then and Now: Cultural Identity, Politics, and Values in the Roman Calendar**

**Subject**
CLST  

**Catalog Number**
224S  

**Title**
'Telling' Time, Then and Now: Cultural Identity, Politics, and Values in the Roman Calendar  

**Description**
How we reckon time and the calendar are so ingrained in us that they seem natural and value-neutral. Is this true? What and why do we commemorate with the calendar? Who are 'we'? How is timekeeping related to cultural identity? To imperialism? We explore these questions through the lens of the Romans and their calendar. We learn how the Romans measured time; how Roman cultural values were expressed in their calendar; how Augustus' changes to the calendar reflected a change in Roman identity. The course studies material evidence, selections from ancient historians (Herodotus, Thucydides, Livy, Jerome), and authors that incorporate Roman timekeeping and commemoration (Horace, Virgil, Ovid).

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**CLST230S - Augustine's City of God**

**Subject**
CLST  

**Catalog Number**
230S  

**Title**
Augustine's City of God  

**Description**
Study of the literary form and argument of Augustine's epoch-making City of God: a rhetorical tour de force of consummate artistry and stunning originality and scope; and a political, religious, and moral critique of ancient Rome within a comparative, cross-cultural analytical framework that vindicates an alternative vision of society rooted in the Christian scriptures. City of God provides a remarkable example of sophisticated literary construction, rhetorical prowess, cross-cultural examination, and moral reflection. We focus on these four facets of a celebrated synthesis that breaks new ground in historiography, political science, and moral theory.
CLST240L - Virtual Museums: Theories and Methods of Twenty-First-Century Museums

Subject: CLST  
Catalog Number: 240L  
Title: Virtual Museums: Theories and Methods of Twenty-First-Century Museums  

Description  
The future of museums will be one of immateriality and interaction. Course focuses on how the 'Internet of Things,' augmented reality technologies, new data analyses of artifacts will transform missions, roles, and goals of museums and collections. Core of course will be digital lab sessions focused on virtual reconstruction of lost heritage—e.g., museums and sites destroyed and damaged by ISIS and other conflicts in Iraq and the Middle East (Hatra, Nineveh, Nimrud, Baghdad).

CLST241 - Etruscans: Myth, Archaeology and Civilization

Subject: CLST  
Catalog Number: 241  
Title: Etruscans: Myth, Archaeology and Civilization  

Description  
The Etruscans were a pre-Indo-European population living in the Italic peninsula in the first millennium BCE. One of the most important and fascinating civilizations of the ancient world, which deeply influenced the Classical world and the Mediterranean basin. The class involves archaeological studies and comparative analyses of pre-urban and urban settlements, the necropoleis, art, art history, iconography and archaeological remains of the Etruscan and pre-Roman Italic world. Use of digital technologies for the study of Etruscan cities and landscape with a specific focus on the Etruscan city of Vulci. Not open to students who have taken Classical Studies 198.

CLST243S - Representations of Women in the Classical World

Subject: CLST  
Catalog Number: 243S  
Title: Representations of Women in the Classical World  

Description  
The lives of women in the Classical world viewed through the visual culture of Classical art. Through images of women in statues, reliefs, coins, and painting, the course explores the role of visual representation in communicating complex social and political messages. Issues such as the construction of gender, the expression of power and status, the preservation of social hierarchies, the protection of normative values, and the manipulation and control of sexuality are considered.

CLST246 - Roman Archaeology: Origins to Empire

Subject: CLST  
Catalog Number: 246  
Title: Roman Archaeology: Origins to Empire  

Description  
This course surveys the Roman archaeology of Italy from the 5th century BCE to the end of the reign of Augustus (14 CE). It analyzes the role of material culture in the creation of social structures through the study of urbanism, landscapes, ancient technology, rituals and identity in Italy and the early Roman provinces.

CLST248 - Art and Archaeology of Ancient Athens

Subject: CLST  
Catalog Number: 248  
Title: Art and Archaeology of Ancient Athens  

Description  
Monuments, archaeology, art, and topography of ancient Athens from the Archaic to the Roman period. Examination of the physical remains of the city and countryside to trace the development of one of the most important city-states in the Greek world and to understand its impact on western civilization. Case study in understanding the role of archaeology in reconstructing the life and culture of the Athenians.

CLST250 - The Art of Greece and Rome

Subject: CLST  
Catalog Number: 250  
Title: The Art of Greece and Rome  

Description  
Explores profound influence of Greek and Roman artistic legacy on Western art. Innovations include portrait, Baroque style, large-scale painting, public baths, theater. Explore art and architecture of Greece and Rome in social and cultural context, including major technical and aesthetic innovations. Role of artistic agency and patronage. Starts with the Classical age and ends with Christian emperor Constantine.
CLST262 - Ancient Athletics

Subject: CLST  
Catalog Number: 262  
Title: Ancient Athletics

Description:
The athletic festivals of the ancient Greeks and Romans are among the most enduring legacies of the Classical world, and provide a particularly accessible introduction to the study of antiquity. Through examination of literary and historiographical sources (in translation) and of the material remains at the ancient sites, this course introduces students to the origins and development of the major athletic contests (especially the Olympic Games), the methods and practicalities of ancient training, and the changing role of athletics in ancient and modern education, religion, and politics. We end with a survey of the modern Olympic movement, from the nineteenth century to the present.

CLST264 - Greek and Roman Religion

Subject: CLST  
Catalog Number: 264  
Title: Greek and Roman Religion

Description:
Topics in Greek and Roman religion from the Bronze Age through the rise of Christianity, based on literary, documentary, and archaeological sources. Coverage within the chronological boundaries via survey, case-studies, or a combination of both. Topics might include the relationship of myth and ritual, hero cult, mysteries, festivals, interface between philosophy and religion, 'public' and 'private' religion, religious 'imports' and exoticism, architecture and landscape of religion.

CLST266 - Gender and Sexuality in the Ancient World

Subject: CLST  
Catalog Number: 266  
Title: Gender and Sexuality in the Ancient World

Description:
Class examines ancient erotic poetry, prose, material evidence (e.g., vase paintings) to explicate gender as a cultural sign: sexuality as a language in which other business is transacted. 'Obscene' literature, paintings, etc. evidence how the ancients constructed men, women, sexuality—but also social hierarchies, national prerogatives, and identity.

CLST271 - History of Ancient Philosophy

Subject: CLST  
Catalog Number: 271  
Title: History of Ancient Philosophy

Description:
The pre-Socratics, Socrates, Plato, Aristotle, and post-Aristotelian systems. Not open to students who have taken Classical Studies 93 or Philosophy 93.

CLST272A - The Birth of Reason in Ancient Greece

Subject: CLST  
Catalog Number: 272A  
Title: The Birth of Reason in Ancient Greece

Description:
A study of the Classical Greeks' pronounced emphasis on the rational aspect of human nature, which enabled them to lay the foundations for subsequent intellectual developments in western thought. The Athenian Empire as a case study for an investigation of the five major ancient ethical systems. Taught only in the Duke Greece Summer Study Abroad program.

CLST275 - Democracy: Ancient and Modern

Subject: CLST  
Catalog Number: 275  
Title: Democracy: Ancient and Modern

Description:
Examines democracy in its ancient and modern forms, with special attention to Athenian and American democracy. Does modern democracy fulfill the promise of ancient democracy, or betray its fundamental tenets? Topics may include freedom, equality, and rights; democratic institutions; citizenship; rhetoric; democratic knowledge and decision-making; foreign policy; corruption; religion; and hope.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Subject</th>
<th>Catalog Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>CLST275D</td>
<td>Democracy: Ancient and Modern</td>
<td>CLST</td>
<td>275D</td>
<td>Examines democracy in its ancient and modern forms, with special attention to Athenian and American democracy. Does modern democracy fulfill the promise of ancient democracy, or betray its fundamental tenets? Topics may include freedom, equality, and rights; democratic institutions; citizenship; rhetoric; democratic knowledge and decision-making; foreign policy; corruption; religion; and hope.</td>
</tr>
<tr>
<td>CLST276S</td>
<td>Contemporary Nationalism and Classical Political Theory</td>
<td>CLST</td>
<td>276S</td>
<td>Ancient Greece and Rome offered competing visions of politics based on republics and the cosmopolitan idea of humans as world-citizens. In light of classical political theory and the resurgence of nationalism in current politics, we will consider the following questions: Should politics be based on concern for the individual or the nation? Do we have stronger duties to our nations and fellow citizens than to the rest of the world? If so, can we ignore other countries and focus on our own problems? Should foreign policy further the goals of nation-states or focus on global justice? Are nation-states necessary? How should we address the environment, immigration, and economic globalization?</td>
</tr>
<tr>
<td>CLST277</td>
<td>How to Rule the World: Empire and Global Governance from Greece to America</td>
<td>CLST</td>
<td>277</td>
<td>From Babylon and Persia to Greece and Rome, empires have risen and fallen, but they always seem to make a comeback. Their defenders point to the stability they bring to a chaotic world. Their detractors point to the harsh rule required to maintain them. This course will explore arguments for and against empire, drawing on history, philosophy, and political theory, with a special focus on the Greeks and Romans. Then, in light of the parallel problems of empire and global governance, we will ask what lessons we can learn for the practice of international affairs today. Contemporary topics will include global institutions, foreign intervention, East Asia policy, and NATO and Eastern Europe.</td>
</tr>
<tr>
<td>CLST278</td>
<td>Roman Political Thought and Its Modern Legacy</td>
<td>CLST</td>
<td>278</td>
<td>Why does Rome still capture the imagination of modern political commentators and theorists? This course examines Roman political thought as it was conceived under the Republic, reimagined under the Empire, and transformed by Christianity. Topics may include the Roman constitution, liberty, equality, property, slavery, rights, citizenship, civil religion, political corruption, rhetoric, imperialism, just war theory, and cosmopolitanism.</td>
</tr>
<tr>
<td>CLST283</td>
<td>Greek History</td>
<td>CLST</td>
<td>283</td>
<td>The political and intellectual history of the Greeks from earliest times to the death of Alexander the Great. Not open to students who have had, or are taking, Classical Studies 181S.</td>
</tr>
<tr>
<td>CLST284</td>
<td>Roman History</td>
<td>CLST</td>
<td>284</td>
<td>From the founding of Rome by Romulus to the founding of Constantinople by Constantine: social, cultural, and political history. Not open to students who have taken or are taking Classical Studies 182S.</td>
</tr>
<tr>
<td>Course Code</td>
<td>Course Name</td>
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<td>Title</td>
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<tr>
<td>CLST290</td>
<td>Special Topics in Classical Studies</td>
<td>CLST</td>
<td>290</td>
<td>Special Topics in Classical Studies</td>
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<tr>
<td>CLST290S</td>
<td>Special Topics in Classical Studies</td>
<td>CLST</td>
<td>290S</td>
<td>Special Topics in Classical Studies Seminar</td>
</tr>
<tr>
<td>CLST291</td>
<td>Independent Study</td>
<td>CLST</td>
<td>291</td>
<td>Independent Study</td>
</tr>
<tr>
<td>CLST293</td>
<td>Research Independent Study</td>
<td>CLST</td>
<td>293</td>
<td>Research Independent Study</td>
</tr>
</tbody>
</table>
### CLST299L - Introduction to Landscape Archaeology and Cultural Landscapes

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<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>CLST</td>
<td>299L</td>
<td>Introduction to Landscape Archaeology and Cultural Landscapes</td>
</tr>
</tbody>
</table>

**Description**

From hunter-gatherer to post-modern network societies, human, animal and plant life and evolution depend on the complex relations and affordances of landscape and environment. Climate change, geomorphology, natural resources, land use, and human settlements are complex and inter-related phenomena that invite multidisciplinary study with different technologies and methodologies. Comparative research on paleo-environments, ancient landscapes, and societies are crucial for understanding the future of landscape and environment.

### CLST304 - Drama of Ancient Rome

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<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>CLST</td>
<td>304</td>
<td>Drama of Ancient Rome</td>
</tr>
</tbody>
</table>

**Description**

Introduction to the drama and performance cultures of ancient Rome. Students read in translation canonical comedies (Plautus, Terence) as well as tragedies (Seneca) while also studying related genres such as mime, historical drama, and other hybrid forms. Central topics include: conventions of theatrical performance from Republic to Empire, social and political contexts of Roman drama, ancient dramaturgy and theatrical spaces, related performance cultures including the gladiatorial arena, modern reception of Roman drama. No previous knowledge of Classical Studies required or presumed; this course is open to all students interested in drama, literature, and the history of Rome.

### CLST307 - Ancient Athenian Law

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<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>CLST</td>
<td>307</td>
<td>Ancient Athenian Law</td>
</tr>
</tbody>
</table>

**Description**

Introduction to ancient Athenian law. Read and discuss court speeches from real trials held 2000+ years ago. Topics range from homicide to commerce and banking, citizenship to assault, slavery to inheritance, religion to sexuality, political amnesty to judicial torture. Explore, through in-class discussion, theory and practice of law, aspects of social, economic, political, and cultural history visible through law in action, relationship between Athenian law and Athenian democracy.

### CLST308 - Ancient Roman Law

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<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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<tbody>
<tr>
<td>CLST</td>
<td>308</td>
<td>Ancient Roman Law</td>
</tr>
</tbody>
</table>

**Description**

Introduction to Roman law, from the Twelve Tables to the Code of Justinian. Students read Roman texts in translation, learn how to use legal texts as sources for Roman history and society, and make connections between Roman law and modern legal systems. No previous knowledge of Latin or Roman history is required.

### CLST312S - Ancient Greek Notions of Justice

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<th>Catalog Number</th>
<th>Title</th>
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<tbody>
<tr>
<td>CLST</td>
<td>312S</td>
<td>Ancient Greek Notions of Justice</td>
</tr>
</tbody>
</table>

**Description**

Examines constructions of ‘justice’ in ancient Greek literature and culture and explores their reception and modern significance.
### CLST316S - Self-Knowledge and the Pursuit of Wisdom

**Subject**: CLST  
**Catalog Number**: 316S  
**Title**: Self-Knowledge and the Pursuit of Wisdom  

**Description**  
This course looks to the Classical Tradition for guidance on how to grow in wisdom through a deeper knowledge of the self in relation to others. Students explore questions of personal meaning and significance by reading literary, philosophical, and biographical classics of the Western Tradition. Focus on wisdom and fulfillment in life, and the means for attaining them through friendship and community. Topics include: wisdom, conscience, happiness, justice, passion, moderation, guilt, shame, excellence, character, purpose, prudence, and choice. Authors may include Homer, Vergil, Sophocles, Plato, Aristotle, Epictetus, Seneca, Marcus Aurelius, St. Paul, Augustine, Calvin, Hobbes, Spinoza.

### CLST322 - Jesus and the Gospels

**Subject**: CLST  
**Catalog Number**: 322  
**Title**: Jesus and the Gospels  

**Description**  
Investigation of Jesus as he is portrayed in the Synoptic Gospels (Matthew, Mark, and Luke) and John, looking also at literary relationships, dates, and historical contexts, with special focus on the historical Jesus, eschatology, parables, stories about the miraculous, passion narratives, and gospel women.

### CLST328S - Literary Translation: History, Theory, and Practice

**Subject**: CLST  
**Catalog Number**: 328S  
**Title**: Literary Translation: History, Theory, and Practice  

**Description**  
A study of the theory and practice of translation from antiquity to the present, with a focus on religious, literary, and philosophical texts and the distinctive challenges involved in rendering such works into a different language. Topics include analysis of historically-significant translations, a survey of the history and theory of translation as a practice, a close study of the ethics of translation, and a workshop in which students will prepare, revise, and analyze their own translations. Prerequisite: Three semesters of language.

### CLST340A - Rome: History of the City

**Subject**: CLST  
**Catalog Number**: 340A  
**Title**: Rome: History of the City  

**Description**  
On-site study of the development of Rome’s urban plan and its major monuments through the ages; the influence of the ancient Republic and Empire, the Papacy, and the modern secular state; change and continuity in artistic forms and daily life. (Summer program in Italy.)

### CLST341A - The Ancient City

**Subject**: CLST  
**Catalog Number**: 341A  
**Title**: The Ancient City  

**Description**  
Examination of the archaeological monuments of Rome and other Italian sites, as well as literary sources, inscriptions, and works of art. Consent required. Taught in Rome as part of the Intercollegiate Center for Classical Studies program. Students must register for both 341A-1 and 341A-2.

### CLST341A-1 - Art and Archaeology

**Subject**: CLST  
**Catalog Number**: 341A-1  
**Title**: Art and Archaeology  

**Description**  
Study Abroad Course
CLST341A-2 - Political, Social, and Cultural Context
Subject: CLST
Catalog Number: 341A-2
Title: Political, Social, and Cultural Context
Description: Study Abroad Course

CLST343SA - Conservation and Management of the Material Heritage
Subject: CLST
Catalog Number: 343SA
Title: Conservation and Management of the Material Heritage
Description: This course offers theoretical and practical experience in the management of cultural heritage, with special reference to Roman art and architecture in Rome. Students live the experience of being a conservator of archaeological items, monuments, and sites, and a manager of cultural and material heritage.

CLST344 - Early Greek Archaeology: From the Fall of Mycenae to the Persian Wars
Subject: CLST
Catalog Number: 344
Title: Early Greek Archaeology: From the Fall of Mycenae to the Persian Wars
Description: Greek material culture in its social, economic, and historical contexts, 1200 to 480 BCE.

CLST346S - Classical Sculpture
Subject: CLST
Catalog Number: 346S
Title: Classical Sculpture
Description: Statues were the 'other population' of Greece and Rome. Portraits of athletes, generals, kings, emperors lined streets and filled markets. Why? What do statues do for people setting them up, for people viewing them? Seminar explores place of statues in Greek and Roman society, and relationship between context, style, and meaning. Course approaches material thematically and contextually. Particular attention paid to changing physical, cultural, historical, political contexts in which statues were set up and in which they continued to operate for centuries. Instructor consent required.

CLST348 - Classical Greek Archaeology, Archaic to Classical
Subject: CLST
Catalog Number: 348
Title: Classical Greek Archaeology, Archaic to Classical
Description: The archaeology of the Greek citystate including its historical context. Emphasis on both themes (sanctuaries, death and burial, warfare) and the ability to understand material culture in context.

CLST350 - Art of the Meal: Alcohol and Feasting in the Ancient World
Subject: CLST
Catalog Number: 350
Title: Art of the Meal: Alcohol and Feasting in the Ancient World
Description: Commensality—the act of eating and drinking together—is a fundamental part of human social life, no matter the time or place. This course examines the wide variety of evidence from the ancient world for feasting activities, and especially the production and consumption of alcoholic beverages, in text, visual and material culture. Readings in anthropological theory and archaeological and ethnographic case studies are used to explore human relationships to food and alcohol in different social contexts, and their use in the construction of cultural similarity and difference, group identities, and social hierarchies. With special emphasis on the ancient Mediterranean and Middle East.
CLST352 - The Aegean Bronze Age
Subject  CLST
Catalog Number  352
Title  The Aegean Bronze Age
Description
Survey of Greek prehistory, from the final Neolithic to the end of the era in ca. 1200 BCE. Issues to be considered include the historicity of the Trojan War, the relationship of this period to later Greek history and cultural identity.

CLST354 - Roman Spectacle
Subject  CLST
Catalog Number  354
Title  Roman Spectacle
Description
Gladiatorial games, wild beast hunts, elaborately-staged executions of condemned criminals, and chariot racing as some of the most popular forms of public entertainment in the Roman world. The ritual of these entertainments and spectacles, the circumstances of and occasions for their performance, and the form and elaboration of the venues - the amphitheater, the circus, the theater, and the stadium - in which they took place. Visual and literary representations of these spectacles.

CLST357 - Roman Coinage: The Materiality of an Ancient Economy
Subject  CLST
Catalog Number  357
Title  Roman Coinage: The Materiality of an Ancient Economy
Description
The scholarly study of Roman coinage, focusing on historical trends from the late Republic to the early Empire, 3rd c. BCE-2nd c. CE. Topics of particular attention will be: introduction of coinage in Rome and the provinces; historically contextualizing the making, using, and losing of money (how and why coins are produced, exchanged, buried, counterfeited, even used in religious rituals). Coins as works of art—but common, widely circulating works of art produced by governments, often used to spread propaganda about state goals or national identity.

CLST360 - The History of the Book
Subject  CLST
Catalog Number  360
Title  The History of the Book
Description
The history of the 'book' as physical object from its earliest forms (clay tablets, papyrus scrolls) through to texts in the digital age. Introduction to manuscript and early print culture in the West – scribes, scripts and book production. The role of the book in different cultures, and in intellectual history. Hands-on experience with, and study of materials in the Rubenstein Rare Book and Manuscript Library.

CLST364 - Ancient Science and Technology
Subject  CLST
Catalog Number  364
Title  Ancient Science and Technology
Description
Development of scientific thought and technological innovation in the ancient Near East, Greece, and Rome. Topics might include the rise of scientific thought, as against myth; impact of scientific and technological developments on Greek and Roman society and culture; history of medicine; history of mathematics; military technology.

CLST366 - Inventing Sickness: The Science and Practice of Medicine in Ancient Greece
Subject  CLST
Catalog Number  366
Title  Inventing Sickness: The Science and Practice of Medicine in Ancient Greece
Description
Exploration of conceptual developments that led to the emergence of medicine in ancient Greece as a science and an art and as a contentious subject of speculative discourse. We will situate these developments firmly within their corresponding cultural, intellectual, and social contexts. Concepts examined include: notions of disease; competing views of human anatomy and physiology; natural versus supernatural causation; the ethics of medical (non-)treatment and research; the rise of the doctor; dietetic, pharmacological, and surgical practices; the doctor-patient relationship.
<table>
<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>CLST</td>
<td>368S</td>
<td>CLST368S - The Afterlife of Classics</td>
<td>The appropriation of classical antiquity by later cultures and its reinterpretation by different audiences and for different purposes, with emphasis on the use of antiquity in the construction of social/cultural identities. Topics may include examination of various ‘classical revivals’ in the arts, e.g., architecture, opera, epic; classics and ancient history in film; the use and misuse of ancient political thought and structures to shape and interpret modern institutions and historical discourse.</td>
</tr>
<tr>
<td>CLST</td>
<td>371</td>
<td>CLST371 - Aristotle</td>
<td>Survey of principal topics in Aristotelian philosophy. Areas of study include metaphysics, epistemology, philosophy of science, philosophy of language, ethics, and political philosophy.</td>
</tr>
<tr>
<td>CLST</td>
<td>374S</td>
<td>CLST374S - Aristotle and Neuroscience</td>
<td>Explores the relevance of Aristotle’s thought, especially his treatise ‘On the Soul,’ to understanding the research projects and foundations of cognitive psychology and neuroscience and the relationship between them. Brings Aristotle into dialogue with modern scholarship. Topics include: the use of hylomorphism and functionalism; the nature of perception, representation (including knowledge and belief), memory, emotion, and pain; desire, intentionally, and the relationship of perception to action; consciousness; folk psychology, inference, and explanatory reduction; the self; and moral psychology. Prior knowledge of Aristotelian philosophy or neuroscience is not required.</td>
</tr>
<tr>
<td>CLST</td>
<td>480S</td>
<td>CLST480S - Capstone Seminars in Classical Studies</td>
<td>Specific aspects of the history, art, and literature of classical Greece and Rome. Open only to qualified juniors and seniors; some knowledge of classical studies and history desirable, but not strictly necessary; research paper required.</td>
</tr>
<tr>
<td>CLST</td>
<td>480S-1</td>
<td>CLST480S-1 - Capstone Research Seminars in Classical Studies</td>
<td>Specific aspects of the history, art, and literature of classical Greece and Rome. Open only to qualified juniors and seniors; some knowledge of classical studies and history desirable, but not strictly necessary. Not open to students who have previously taken Classical Studies 480S.</td>
</tr>
<tr>
<td>CLST</td>
<td>490</td>
<td>CLST490 - Special Topics in Classical Studies</td>
<td>Aimed at third- and fourth-year students. Topic.</td>
</tr>
</tbody>
</table>
CLST491 - Independent Study
Subject: CLST
Catalog Number: 491
Title: Independent Study
Description: Individual non-research directed study in a field of special interest on a previously approved topic, under the supervision of a faculty member, resulting in an academic and/or artistic product. Consent of instructor and director of undergraduate studies required.

CLST493 - Research Independent Study
Subject: CLST
Catalog Number: 493
Title: Research Independent Study
Description: Individual research in a field of special interest under the supervision of a faculty member, the central goal of which is a substantive paper or project containing significant analysis and interpretation of a previously approved topic. Open only to qualified juniors and seniors; for seniors, the paper or project may partially fulfill the requirements for graduation with distinction. Consent of instructor and director of undergraduate studies required.

CLST89S - First-Year Seminar
Subject: CLST
Catalog Number: 89S
Title: First-Year Seminar
Description: Topics in classical literature and/or art and archaeology vary each semester.

CMAC125L - Foundations of Game Design
Subject: CMAC
Catalog Number: 125L
Title: Foundations of Game Design
Description: Exploration of the theory and practice of game design with a focus on critical play, game decomposition, and iterative design. Students explore a range of non-digital games to discover how design elements combine to form meaningful systems of play. Readings, discussion, and hands-on design exercises prepare students as they design, develop, and document meaningful games in a collaborative environment. Programming experience is not required.

CMAC172 - The Anthropology of Design and User Experience (UX) Research
Subject: CMAC
Catalog Number: 172
Title: The Anthropology of Design and User Experience (UX) Research
Description: The field of design and the burgeoning field of User Experience (UX) research has recently applied the methods anthropologists have used for over a century. The methods of cultural anthropology are distinctly aligned to ask questions about motivations, beliefs, values, and relationships within cultural systems through direct participant observation, surveys, focus groups, and archival research. Privileging critical listening, empathy, and perspective-taking, we try to discern why people do what they do, and apply these questions to human-centered design.

CMAC187FS - Digital Storytelling and Interactive Narrative
Subject: CMAC
Catalog Number: 187FS
Title: Digital Storytelling and Interactive Narrative
<table>
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<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
<th>Description</th>
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<tbody>
<tr>
<td>CMAC</td>
<td>190</td>
<td>CMAC190 - Special Topics in Computational Media</td>
<td>Topics vary from semester to semester.</td>
</tr>
<tr>
<td>CMAC190FS</td>
<td>190FS</td>
<td>CMAC190FS - Topics in Computational Media</td>
<td>Special Topics in Focus. Content may vary.</td>
</tr>
<tr>
<td>CMAC190S</td>
<td>190S</td>
<td>CMAC190S - Special Topics in Computational Media, Arts &amp; Cultures</td>
<td>Topics vary by semester and instructor.</td>
</tr>
<tr>
<td>CMAC</td>
<td>198</td>
<td>CMAC198 - Experimental Interface Design</td>
<td>Class explores issues surrounding embodied approaches to interface design. Articulates methodology for generating new forms of human/computer interface; includes workshops, discussions, student presentations, critiques and group brainstorming sessions. Content related to biomimetics; haptic body knowledge; multi-modal sensing; physical computing; physical</td>
</tr>
<tr>
<td>CMAC</td>
<td>222D</td>
<td>CMAC222D - Introduction to Digital Humanities</td>
<td>Digital approaches to humanistic research and its expression, across disciplines and fields. Critical approaches to the digital turn in contemporary culture; theoretical approaches to digital creation and digital remediation of analog sources. Topics include aesthetics, cultural impact, opportunities for global circulation. Critical contextualization around access, authorship, diversity and inclusion, media effects, and evaluation. Exercises in text analysis, digital mapping, data visualization, databases, networks, online archives and exhibitions, immersive media, situated within broader cultural debates on digital cultures, and on best practices for interdisciplinary collaboration.</td>
</tr>
<tr>
<td>CMAC</td>
<td>240L</td>
<td>CMAC240L - Fundamentals of Web-Based Multimedia Communications</td>
<td>Laboratory version of Information Science + Studies 240. Multimedia information systems, including presentation media, hypermedia, graphics, animation, sound, video, and integrated authoring techniques; underlying technologies that make them possible. Practice in the design innovation, programming, and assessment of web-based digital multimedia information systems. Intended for students in non-technical disciplines. Engineering or Computer Science students should take Engineering 206 or Computer Science 408.</td>
</tr>
</tbody>
</table>
# CMAC240S - Fundamentals of Web-Based Multimedia Communications

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<th>Subject</th>
<th>Catalog Number</th>
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<tbody>
<tr>
<td>CMAC</td>
<td>240S</td>
<td>Fundamentals of Web-Based Multimedia Communications</td>
</tr>
</tbody>
</table>

**Description**
Multimedia information systems, including presentation media, hypermedia, graphics, animation, sound, video, and integrated authoring techniques; underlying technologies that make them possible. Practice in the design innovation, programming, and assessment of web-based digital multimedia information systems. Intended for students in non-technical disciplines. Engineering or Computer Science students should take Engineering 206 or Computer Science 408.

# CMAC241L - Web Project Design and Development

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<th>Subject</th>
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<tbody>
<tr>
<td>CMAC</td>
<td>241L</td>
<td>Web Project Design and Development</td>
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</tbody>
</table>

**Description**
Follow-on to ISS 240/240L. Students should be experienced with basic HTML and CSS. Information and graphic design; use-case development; readings and group critiques. Continued work with HTML, CSS, HTML5, Javascript. Introduction to PHP, MySQL and/or other server-based authoring techniques. Creation and templating of blogs, wikis, and content management systems. Web 2.0 and 3.0 technology implementation. Embedded media and objects. Intellectual property and fair use. User testing. Short exercises, group work, individual semester project, and public site launch. Instructor consent required.

# CMAC252 - Learning to Fail

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<th>Subject</th>
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<tr>
<td>CMAC</td>
<td>252</td>
<td>Learning to Fail</td>
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</table>

**Description**
Most people spend their lives afraid of failing. Yet, many of the world's most successful people failed numerous times on their paths toward success. The underlying question of this class is if failing is as antithetical to learning as we're taught to believe. To explore this question, we will test ways of using failure as a strategy for learning. We will experiment with failure to learn how it can make us better as we develop our skills as innovators, specifically focusing on the earlier stage of creativity: ideation. We will use failure through experimentation as a technique for problem definition and needs discovery which, in turn, will help us validate the quality of our ideas.

# CMAC253 - Social Marketing: From Literary Celebrities to Instagram Influencers

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<tbody>
<tr>
<td>CMAC</td>
<td>253</td>
<td>Social Marketing: From Literary Celebrities to Instagram Influencers</td>
</tr>
</tbody>
</table>

**Description**
Typical Duke students spend hours each day using social media. You've surely heard the platforms described as 'revolutionary,' and you've also heard them described as 'time wasters.' What you probably haven't thought about is how similar they are to previous 'revolutionary' communications technologies like novels, newspapers, and even language itself. This course explores ways in which studying the masters of previous 'social' media technologies—the Shakespeares, Whitmans, and Eliots of the world—can help us understand how influencers on digital social media leverage the same platforms you use every day to market themselves, build their brands, and grow their audiences.
CMAC255 - Humanities Text Mining and Meaning

Subject: CMAC  
Catalog Number: 255  
Title: Humanities Text Mining and Meaning

Description
The digital text has led to new forms of research and is receiving increasing attention from artificial intelligence (AI). The application of machine learning to text, known as text mining, presents unique intellectual challenges that require major contributions from the humanities. This course introduces students to the interdisciplinary domain of text mining through a humanities-based media-theoretic framework. Students will first learn text data prep skills and practices fundamental to meaningful analysis. The semester will later introduce unsupervised machine learning and topic modeling, and culminate in a group project. Not recommended for advanced CS students.

CMAC265S - Introduction to Digital Feminism

Subject: CMAC  
Catalog Number: 265S  
Title: Introduction to Digital Feminism

Description
The aim of this course is to critically analyze digital culture from a feminist and gender studies perspective. We will address topics related to digital innovation and its history, unpacking and questioning them through the insights offered by genders studies analytical tools. Subjects such as the rise of the Silicon Valley, gaming culture, social media, algorithms, Artificial Intelligence, extraction of data applied to biotechnology, macroeconomic development of IT platforms and the impact of technology on ecology will be discussed starting from a current event or debate, to which we will give a historical, ethical, sociological, theoretical, literary or cinematographic perspective.

CMAC266 - Media History: Old and New

Subject: CMAC  
Catalog Number: 266  
Title: Media History: Old and New

Description
Development of various media forms in historical and social contexts. Impact of old 'new' media on established art, commerce, education, politics, entertainment from 19th c. on. Changing ideas about authenticity, authority, agency, reception, identity, and power relating to emerging media forms, production, circulation. Overlaps, disjunctures, convergences, persistences and antiquations via case studies and examples. Technologies include print publishing, photography, audio recording, film, telegraph, maps, exhibitions, architecture and installations alongside contemporary web, multimedia, database, game, virtual reality, and telepresence systems. Final rich media research project required.

CMAC270S - Constructing Immersive Virtual Worlds

Subject: CMAC  
Catalog Number: 270S  
Title: Constructing Immersive Virtual Worlds

Description
Theory, practice, and creation of 3D virtual worlds. Hands-on design and development of online collaborative simulation environments. Introduction to graphics workflow for creating virtual world media assets. Critical exploration of state-of-the-art virtual world technologies; 3D graphics, chat, voice, video, and mixed reality systems. Topics include: history/culture of virtual worlds, identity and avatars; behavioral norms; self-organizing cultures; user-generated content, virtual world economies; architectural scalability.

CMAC290 - Special Topics in Computational Media

Subject: CMAC  
Catalog Number: 290  
Title: Special Topics in Computational Media

Description
Topics vary from semester to semester.

CMAC290S - Special Topics in Computational Media, Arts and Cultures

Subject: CMAC  
Catalog Number: 290S  
Title: Special Topics in Computational Media, Arts and Cultures

Description
Topics vary by semester and instructor.
<table>
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<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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<td>CMAC293</td>
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<td>CMAC315</td>
<td>Mapping History with Geographic Information Systems</td>
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<td>CMAC317</td>
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<td>User Experience and User Interface Design and Development</td>
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</table>

**Description**

**CMAC291 - Independent Study in Computational Media, Arts and Cultures**

Individual research directed study in a field of special interest on a previously approved topic, under the supervision of a faculty member, resulting in an academic and/or artistic product.

**CMAC293 - Research Independent Study in Computational Media, Arts and Cultures**

Individual research directed study in a field of special interest on a previously approved topic, under the supervision of a faculty member, resulting in an academic and/or artistic product.

**CMAC315 - Mapping History with Geographic Information Systems**

Beginner/intermediate Geographic Information System (GIS) course designed to help students learn how to investigate history spatially. Emphasizes perspectives, procedures, and tools that are relevant to applications of GIS in Art History and Humanistic disciplines. Designed as a hybrid lecture/lab format in which direct instruction is supplemented by hands on learning labs using ArcGIS software and real-world spatial data. The main skills students will gain are: integration of spatial and tabular data, geoprocessing, data visualization, creating features, editing features, vector and raster integration, spatial analysis, georeferencing.

**CMAC317 - User Experience and User Interface Design and Development**

How do we build knowledge about computational, aesthetic, product and spatial experience? What tools and methods enable our work in the design of these interactions? This course applies methods and technologies found in the User Experience (UX) and User Interface (UI) disciplines to analyze, document, design and prototype a number of spatial and product interactions.
CMAC326 - Introduction to Programming and User Interface Design in Unity 3D

Subject  
CMAC

Catalog Number  
326

Title  
Introduction to Programming and User Interface Design in Unity 3D

Description  
Practical concepts and exercises with the C# programming language. Basic concepts of algorithms and data structures. Discussion of basic computer graphics concepts. Introduction to the Unity3D game engine. Importing various model formats into Unity3D. User interface design in Unity3D. Advanced scripting using C# for Unity3D. Unity3D common pitfalls and tips for optimizations. Weekly homework and final project. No prior coding experience is assumed.

CMAC326S - Introduction to Programming and User Interface Design in Unity 3D

Subject  
CMAC

Catalog Number  
326S

Title  
Introduction to Programming and User Interface Design in Unity 3D

Description  
Practical concepts and exercises with the C# programming language. Basic concepts of algorithms and data structures. Discussion of basic computer graphics concepts. Introduction to the Unity3D game engine. Importing various model formats into Unity3D. User interface design in Unity3D. Advanced scripting using C# for Unity3D. Unity3D common pitfalls and tips for optimizations. Usage of the MiddleVR virtual reality library. Weekly homework and final project. No prior coding experience is assumed.

CMAC351 - 3D Modeling and Animation

Subject  
CMAC

Catalog Number  
351

Title  
3D Modeling and Animation

Description  
Basic concepts of 3D modeling and animation; fundamentals of computer geometry; knowledge of basic tools of 3D software (Maya); introduction to modeling, animation, texturing, lighting, and rendering; combination of these techniques in a final project. Recommended prerequisite: Visual and Media Studies 206 or 396.

CMAC355S - Videogame Design and Critique

Subject  
CMAC

Catalog Number  
355S

Title  
Videogame Design and Critique

Description  
Surveys history, art, technology, narrative, ethics, and design of interactive computer games. Games as systems of rules, games of emergence and progression, state machines. Flow, systems of pleasure, goals, rewards, reinforcement schedules, fictional and narrative elements of game worlds. Responses to immersive & interactive media; experience of gamified systems in diverse contexts. Social, artistic, and cultural effects of games: impact, harm, benefits. Team design and development of game-design storyboards and stand-alone games. Interplay between narrative, graphics, rule systems, and artificial intelligence in the creation of interactive games. Programming experience not required.
CMAC357S - Digital Storytelling and Interactive Narrative

Subject: CMAC  
Catalog Number: 357S  
Title: Digital Storytelling and Interactive Narrative  


CMAC366L - Theories and Practices of Data Visualization

Subject: CMAC  
Catalog Number: 366L  
Title: Theories and Practices of Data Visualization  

Description: Combination of lectures, labs, and workshops on the theories and practices of data visualization, focused on creative applications of advanced tools and software, including introduction to data scraping, data cleaning, and elementary coding. Students will use innovative strategies to develop new databases with imperfect information, combining qualitative and quantitative data on the interface of the humanities and the social sciences. Individual and collaborative research projects will combine qualitative and quantitative analysis with weekly feedback and assessment.

CMAC380 - Visualizing Cities: Representing Urban Landscapes, Cultures, and Environments

Subject: CMAC  
Catalog Number: 380  
Title: Visualizing Cities: Representing Urban Landscapes, Cultures, and Environments  

Description: Visualizing cities in theory and practice. Exploring digital and visual representation of landscapes, structures, environments, history, culture, architecture, events, and populations. Change over time, cultural heritage, possible futures, and alternate pasts from historical, cultural, documentary, and scientific evidence and archives. The idea of the city as a conceptual category and metaphor. Ubiquitous computing in urban environments as a medium for interaction. Global cities and diaspora. Visual imagery and written accounts. Use of mapping, imaging, 3D, augmented reality, games. Individual and group research and production of visualizing cities projects. Topics and temporal foci vary.

CMAC390 - Special Topics in Computational Media

Subject: CMAC  
Catalog Number: 390  
Title: Special Topics in Computational Media  

Description: Topics vary from semester to semester.

CMAC390-2 - Topics in Computational Media Module

Subject: CMAC  
Catalog Number: 390-2  
Title: Topics in Computational Media Module  

Description: This is a special topics module that will vary by semester. It is a half-unit course.

CMAC390S - Special Topics in Computational Media, Arts & Cultures

Subject: CMAC  
Catalog Number: 390S  
Title: Special Topics in Computational Media, Arts & Cultures  

Description: Special Topics vary by semester.
CMAC391 - Computational Media, Arts and Culture Independent Study

Subject: CMAC
Catalog Number: 391
Title: Computational Media, Arts and Culture Independent Study

Description:
Individual non-research directed study in a field of special interest on a previously approved topic, under the supervision of a faculty member, resulting in an academic and/or artistic product.

CMAC393 - Research Independent Study in Computational Media, Arts and Cultures

Subject: CMAC
Catalog Number: 393
Title: Research Independent Study in Computational Media, Arts and Cultures

Description:
Individual research directed study in a field of special interest on a previously approved topic, under the supervision of a faculty member, resulting in an academic and/or artistic product.

CMAC490 - Special Topics in Computational Media

Subject: CMAC
Catalog Number: 490
Title: Special Topics in Computational Media

Description:
Topics vary from semester to semester.

CMAC490S - Special Topics in Computational Media, Arts & Cultures

Subject: CMAC
Catalog Number: 490S
Title: Special Topics in Computational Media, Arts & Cultures

Description:
Special Topics vary by semester.

CMAC490T - Collaborative Computational Media Project Design and Development Topics

Subject: CMAC
Catalog Number: 490T
Title: Collaborative Computational Media Project Design and Development Topics

Description:
Interdisciplinary teams of students work with faculty to design and develop a computational media project. A team’s work may run in parallel with or contribute to an ongoing research project, which will be determined in advance. Teams will participate in seminars, data collection and analysis, field work and other learning experiences relevant to the project. Requires final paper or product containing significant analysis and interpretation. This course is designed to fulfill the project requirement for the Interdepartmental Major in Computational Media, Certificate in Information Science + Studies, or for Bass projects. Students from other disciplines welcome.

CMAC491 - Computational Media, Arts and Culture Independent Study

Subject: CMAC
Catalog Number: 491
Title: Computational Media, Arts and Culture Independent Study

Description:
Individual non-research directed study in a field of special interest on a previously approved topic, under the supervision of a faculty member, resulting in an academic and/or artistic product.
CMAC493 - Research Independent Study in Computational Media, Arts and Cultures

**Subject**: CMAC  
**Catalog Number**: 493  
**Title**: Research Independent Study in Computational Media, Arts and Cultures

**Description**: Individual research directed study in a field of special interest on a previously approved topic, under the supervision of a faculty member, resulting in an academic and/or artistic product.

CMAC495T - Collaborative Computational Media Project Design and Development

**Subject**: CMAC  
**Catalog Number**: 495T  
**Title**: Collaborative Computational Media Project Design and Development

**Description**: Interdisciplinary teams of students work with faculty to design and develop a computational media project. A team’s work may run in parallel with or contribute to an ongoing research project, which will be determined in advance. Teams will participate in seminars, data collection and analysis, field work and other learning experiences relevant to the project. Requires final paper or product containing significant analysis and interpretation. This course is designed to fulfill the project requirement for the Interdepartmental Major in Computational Media, Certificate in Information Science + Studies, or for Bass projects. Students from other disciplines welcome.

COMPSCI101L - Introduction to Computer Science

**Subject**: COMPSCI  
**Catalog Number**: 101L  
**Title**: Introduction to Computer Science

**Description**: Introduction practices and principles of computer science and programming and their impact on and potential to change the world. Algorithmic, problem-solving, and programming techniques in domains such as art, data visualization, mathematics, natural and social sciences. Programming using high-level languages and design techniques emphasizing abstraction, encapsulation, and problem decomposition. Design, implementation, testing, and analysis of algorithms and programs. No previous programming experience required. Not open to students who have taken Computer Science 102, 116, Engineering 103 or Computer Science 201.

COMPSCI102L - Interdisciplinary Introduction to Computer Science

**Subject**: COMPSCI  
**Catalog Number**: 102L  
**Title**: Interdisciplinary Introduction to Computer Science

**Description**: Introduction to the practices and principles of computer science and programming and their impact on and potential to change the world motivated by problems drawn from natural science, social science, engineering, and humanities. Programming using Python, appropriate libraries, and APIs to process, analyze, and visualize data. Design, implementation, and analysis emphasizing abstraction, encapsulation, and problem decomposition. No previous programming experience required.
COMPSCI103L - Computing and the Brain
Subject: COMPSCI
Catalog Number: 103L
Title: Computing and the Brain
Description: Introductory programming based on problems in neuroscience. Provides foundational skills for using computers to collect and analyze neuroscience data. Study of how computational processes are implemented by information-processing entities: both brains and computers. Python programming to generate sensory stimuli and collect/analyze behavioral and neural data. Scientific and Software Engineering best practices for conducting and verifying neuroscience experiments. Not open to students who have taken Computer Science 101. Prerequisite: Neuroscience 101/psychology 106 or Neuroscience 102/psychology 107.

COMPSCI110 - Information, Society & Culture: Bass Connections Gateway
Subject: COMPSCI
Catalog Number: 110
Title: Information, Society & Culture: Bass Connections Gateway
Description: Information, Society, and Culture across disciplines. How all aspects of information theory and practice, including computational and mathematical and those from social sciences and the humanities are transforming research, reframing intellectual questions in research and its application, and having an impact on interactions within societies, cultures, ideologies, economics, politics. Modules presented by faculty from all areas and schools, contrasting and comparative perspectives in research-driven modules focused on interdisciplinary project questions and ideas. Lecture/section activities. Course Gateway for the Bass Connections theme in Information, Society and Culture.

COMPSCI112S - Introduction to Digital Feminism
Subject: COMPSCI
Catalog Number: 112S
Title: Introduction to Digital Feminism
Description: The aim of this course is to critically analyze digital culture from a feminist and gender studies perspective. We will address topics related to digital innovation and its history, unpacking and questioning them through the insights offered by gender studies analytical tools. Subjects such as the rise of the Silicon Valley, gaming culture, social media, algorithms, Artificial Intelligence, extraction of data applied to biotechnology, macroeconomic development of IT platforms and the impact of technology on ecology will be discussed starting from a current event or debate, to which we will give a historical, ethical, sociological, theoretical, literary or cinematographic perspective.

COMPSCI116 - Foundations of Data Science
Subject: COMPSCI
Catalog Number: 116
Title: Foundations of Data Science
Description: Introduction to computer programming and statistical inference in the process of conducting analysis of real-world datasets, including economic data, document collections, geographical data, and social networks. Exploration of data via visualization and descriptive statistics. Creating predictions with techniques from machine learning and optimization. Testing hypotheses and making statistical inferences. Learn basic Python programming skills to organize and manipulate data in tables, and to visualize data effectively. Discussion of social issues surrounding data analysis such as privacy and bias. No prior programming experience or statistics is required.

COMPSCI190 - Topics in Computer Science
Subject: COMPSCI
Catalog Number: 190
Title: Topics in Computer Science

COMPSCI190A - Duke-Administered Study Abroad: Special Topics in Computer Science
Subject: COMPSCI
Catalog Number: 190A
Title: Duke-Administered Study Abroad: Special Topics in Computer Science
Description: Topics differ by section.
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<th>Subject</th>
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<td>COMPSCI</td>
<td>190FS</td>
<td>Focus Program: Topics in Computer Science</td>
<td>Topics vary by semester. Open only to students in the Focus program.</td>
</tr>
<tr>
<td>COMPSCI</td>
<td>190S</td>
<td>Topics in Computer Science</td>
<td>Seminar version of Computer Science 190, topics from various areas of computer science, changing each year.</td>
</tr>
<tr>
<td>COMPSCI</td>
<td>20</td>
<td>Principles of Computer Science</td>
<td>Credit for Advanced Placement Computer Science Principles on the basis of College Board Examination.</td>
</tr>
<tr>
<td>COMPSCI</td>
<td>201</td>
<td>Data Structures and Algorithms</td>
<td>Analysis, use, and design of data structures and algorithms using an object-oriented language like Java to solve computational problems. Emphasis on abstraction including interfaces and abstract data types for lists, trees, sets, tables/maps, and graphs. Implementation and evaluation of programming techniques including recursion. Intuitive and rigorous analysis of algorithms. Prerequisite: Computer Science 101, 102, or 116, or Engineering 103L, or equivalent.</td>
</tr>
<tr>
<td>COMPSCI</td>
<td>207</td>
<td>Introduction to Mobile Application Development in iOS</td>
<td>This class explores the world of mobile applications development based on Apple's iOS operating system and Swift programming language. The class will work on Mac computers running Xcode, the integrated development environment, to develop applications for iPhone/iPad devices. The class covers fundamentals essential to understanding all aspects of app development from concept to deployment on the App Store. Students required to present their project proposals and deliver a fully functional mobile application as a final project. Prerequisite: Computer Science 201. Computer Science 250 preferred. Instructor Thomas</td>
</tr>
<tr>
<td>COMPSCI</td>
<td>210D</td>
<td>Introduction to Computer Systems</td>
<td>This course provides a programmer's view of how computer systems execute programs and store information. It examines key computational abstraction levels below modern high-level languages; introduction to C, number and data representations, computer memory, assembly language, memory management, the operating-system process model, high-level machine architecture including the memory hierarchy, and introduction to concurrency. Prerequisite: Computer Science 201. Not open to students who have taken Computer Science 250D. Instructor: Lebeck, Chase, Zhou, Fain, Wills</td>
</tr>
</tbody>
</table>
### COMPSCI216 - Everything Data

**Subject**: COMPSCI  
**Catalog Number**: 216  
**Title**: Everything Data

**Description**
Study of data and its acquisition, integration, querying, analysis, and visualization. Concepts and computational tools for working with unstructured, semi-structured, and structured data and databases. Interdisciplinary perspectives of data and its impact crossing science, humanities, policy, and social science. Culminating team project applied to real datasets. Prerequisite: 200-level computer science OR 100-level Statistics OR 200-level Math course, or permission of instructor.

### COMPSCI230 - Discrete Math for Computer Science

**Subject**: COMPSCI  
**Catalog Number**: 230  
**Title**: Discrete Math for Computer Science

**Description**
Mathematical notations, logic, and proof; linear and matrix algebra; graphs, digraphs, trees, representations, and algorithms; counting, permutations, combinations, discrete probability, Markov models; advanced topics from algebraic structures, geometric structures, combinatorial optimization, number theory. Pre/corequisite: Computer Science 201.

### COMPSCI240 - Race, Gender, Class, & Computing

**Subject**: COMPSCI  
**Catalog Number**: 240  
**Title**: Race, Gender, Class, & Computing

**Description**
This course explores the diversity, equity, and inclusion (DEI) challenges in computing through an introduction to and analysis of identity as a social construct, its impact on computing departments and organizations, and the resulting impact of technology on various identities.

### COMPSCI243 - Programming Interview Skills and Practice

**Subject**: COMPSCI  
**Catalog Number**: 243  
**Title**: Programming Interview Skills and Practice

**Description**
Techniques and best practices for solving the kind of programming and algorithmic problems typically part of technical interviews. Common genres of problems, methods for solving them, engaging peers and interviewers in the process of solving problems. Students will be expected to participate in leetcode, hackerrank, and APT problems, with role-playing and discussion of what works and does not work. Prerequisite: Computer Science 201.

### COMPSCI247S - Human Flourishing in a Digital Age

**Subject**: COMPSCI  
**Catalog Number**: 247S  
**Title**: Human Flourishing in a Digital Age

**Description**
The digital age has enhanced human life in many ways: communication is faster, medicine is better, and our knowledge of the world is deeper. But it has also changed the nature of work, society, and our sense of well-being, and raised fundamental questions about the meaning and purpose of human life. This course asks what it means for humans to flourish in a digital age. It considers how new technologies through the centuries have impacted human flourishing, making certain aspects easier and others harder, and perhaps even altering our conception of what flourishing looks like. Our ultimate goal is to ponder together how we should practically live in today's digital age. For sophomores only.

### COMPSCI249 - Computer Science Education Research

**Subject**: COMPSCI  
**Catalog Number**: 249  
**Title**: Computer Science Education Research

**Description**
A project-based course involving computer science education, issues on computer science curricula, and educational techniques in general. Students should have previous or current experience in teaching or tutoring Computer Science. May be repeated. Instructor consent is required.
COMPSCI250D - Computer Architecture

**Subject**  
COMPSCI

**Catalog Number**  
250

**Title**  
Computer Architecture

**Description**

Computer structure, assembly language, instruction execution, addressing techniques, and digital representation of data. Computer system organization, logic design, microprogramming, cache and memory systems, and input/output interfaces. Prerequisite: Computer Science 201.

COMPSCI255 - Introduction to Cyber Policy

**Subject**  
COMPSCI

**Catalog Number**  
255

**Title**  
Introduction to Cyber Policy

**Description**

Policy and technical elements of activity in cyberspace will continue to impact and shape global society. Provide a basic understanding of fundamental of cyber technologies and threats, national and international cyber policies and frameworks, and key topical issues in cyber. Students will be required to complete a written mid-term based on lectures and readings, present short classroom briefings, and engage in class discussions. The final will be a capstone written and oral presentation on a realistic cyber scenario applying knowledge from classwork and their own research. No prior skills or knowledge is required.

COMPSCI260 - Introduction to Computational Genomics

**Subject**  
COMPSCI

**Catalog Number**  
260

**Title**  
Introduction to Computational Genomics

**Description**

A computational perspective on the analysis of genomic and genome-scale information. Focus on exploration and analysis of large genomic sequences, but also attention to issues in structural and functional genomics. Topics include genome sequence assembly, local and global alignment, gene and motif finding, protein threading and folding, and the clustering and classification of genes and tissues using gene expression data. Students learn computational approaches to genomics as well as to develop practical experience with handling, analyzing, and visualizing information at a genome-scale.

COMPSCI288 - Logic and Its Applications

**Subject**  
COMPSCI

**Catalog Number**  
288

**Title**  
Logic and Its Applications

**Description**

Topics in proof theory, model theory, and recursion theory; applications to computer science, formal linguistics, mathematics, and philosophy. Usually taught jointly by faculty members from the departments of computer science, mathematics, and philosophy. Prerequisite: a course in logic or consent of instructor.

COMPSCI290 - Topics in Computer Science

**Subject**  
COMPSCI

**Catalog Number**  
290

**Title**  
Topics in Computer Science

**Description**

Topics from various areas of computer science, changing each year. Prerequisite: Computer Science 201 or equivalent.

COMPSCI290A - Duke-Administered Study Abroad: Advanced Special Topics in Computer Science

**Subject**  
COMPSCI

**Catalog Number**  
290A

**Title**  
Duke-Administered Study Abroad: Advanced Special Topics in Computer Science

**Description**

Topics differ by section.
COMPSCI290S - Topics in Computer Science

Subject: COMPSCI
Catalog Number: 290S
Title: Topics in Computer Science

Description: Seminar version of Computer Science 290.

COMPSCI307D - Software Design and Implementation

Subject: COMPSCI
Catalog Number: 307D
Title: Software Design and Implementation

Description: Techniques for design and construction of reliable, maintainable and useful software systems development in teams. Programming paradigms and tools for small to medium projects: revision control, GUI, software engineering, testing, documentation. Prerequisite: Computer Science 201. Not open to students who have taken Computer Science 308.

COMPSCI308 - Advanced Software Design and Implementation

Subject: COMPSCI
Catalog Number: 308
Title: Advanced Software Design and Implementation

Description: Techniques for design and construction of reliable, maintainable and useful software systems. Programming paradigms and tools for medium to large projects: revision control, UNIX tools, performance analysis, GUI, software engineering, testing, documentation. Prerequisite: Computer Science 201. Not open to students who have taken Computer Science 307.

COMPSCI310 - Introduction to Operating Systems

Subject: COMPSCI
Catalog Number: 310
Title: Introduction to Operating Systems

Description: Basic concepts and principles of multiprogrammed operating systems. Processes, interprocess communication, CPU scheduling, mutual exclusion, deadlocks, memory management, I/O devices, file systems, protection mechanisms. Also taught as Electrical and Computer Engineering 353. Prerequisites: Computer Science 201, and either Computer Science 210D, Computer Science 250D or Electrical and Computer Engineering 250D.

COMPSCI316 - Introduction to Database Systems

Subject: COMPSCI
Catalog Number: 316
Title: Introduction to Database Systems

Description: Databases and relational database management systems. Data modeling, database design theory, data definition and manipulation languages, storing and indexing techniques, query processing and optimization, concurrency control and recovery, database programming interfaces. Current research issues including XML, web data management, data integration and dissemination, data mining. Hands-on programming projects and a term project. Prerequisite: CompSci 201, and either CompSci 210D or CompSci 250D.

COMPSCI316D - Introduction to Database Systems

Subject: COMPSCI
Catalog Number: 316D
Title: Introduction to Database Systems

Description: Databases and relational database management systems. Data modeling, database design theory, data definition and manipulation languages, storing and indexing techniques, query processing and optimization, concurrency control and recovery, database programming interfaces. Current research issues including XML, web data management, data integration and dissemination, data mining. Hands-on programming projects and a term project. Prerequisite: Computer Science 201, and Computer Science 210D or 250D.
### COMPSCI321 - Graph Analysis with Matrix Computation

**Subject**  
COMPSCI

**Catalog Number**  
321

**Title**  
Graph Analysis with Matrix Computation

**Description**  
Undergraduate Level. Introduction to analysis of real-world networks and generated graphs via matrix representation, connection and computation. Graphs and networks are characterized, analyzed and categorized by combinatorial, algebraic and probabilistic measures of connectivity and centrality. Probabilistic graph categories include the small-world network model, the scale-free network model as well as the traditional Erdos–Rényi model. Prerequisites: Math 212 or equivalent; Math 216, 218D or 221 or equivalent; CompSci 101L or equivalent.

### COMPSCI323D - Computational Microeconomics

**Subject**  
COMPSCI

**Catalog Number**  
323D

**Title**  
Computational Microeconomics

**Description**  
Use of computational techniques to operationalize basic concepts from economics. Expressive marketplaces: combinatorial auctions and exchanges, winner determination problem. Game theory: normal and extensive-form games, equilibrium notions, computing equilibria. Mechanism design: auction theory, automated mechanism design. Prerequisite: at least one of the following: Computer Science 230, 200-level Mathematics course, or 200-level Statistical Science course.

### COMPSCI330 - Introduction to the Design and Analysis of Algorithms

**Subject**  
COMPSCI

**Catalog Number**  
330

**Title**  
Introduction to the Design and Analysis of Algorithms

**Description**  
Design and analysis of efficient algorithms including sorting, searching, dynamic programming, graph algorithms, fast multiplication, and others; nondeterministic algorithms and computationally hard problems. Prerequisites: Computer Science 201 and 230.

### COMPSCI333 - Algorithms in the Real World

**Subject**  
COMPSCI

**Catalog Number**  
333

**Title**  
Algorithms in the Real World

**Description**  
Design and implementation of modern algorithms. Stresses application and project based development of algorithmic techniques. Emphasis on algorithmic ideas that have had substantial impact in the real world, including approximation, randomization, hashing, streaming, spectral techniques, optimization, and search. Project-driven: Several homework assignments as well as a larger student-driven course project researching, designing, and implementing algorithms for a substantive problem with real world applications. Prerequisite: Computer Science 201 and and Computer Science 230 or equivalent.
COMPSCI334 - Mathematical Foundations of Computer Science
Subject: COMPSCI  
Catalog Number: 334  
Title: Mathematical Foundations of Computer Science

Description:
An introduction to theoretical computer science including studies of abstract machines, the language hierarchy from regular sets to recursively enumerable sets, noncomputability, and complexity theory. Prerequisites: Computer Science 201 and 230.

COMPSCI342 - Technical and Social Analysis of Information and the Internet
Subject: COMPSCI  
Catalog Number: 342  
Title: Technical and Social Analysis of Information and the Internet

Description:
The development of technical and social standards governing the Internet and information technology in general. The role of software as it relates to law, patents, intellectual property, and IETF (Internet Engineering Task Force) standards. Written analysis of issues from a technical perspective with an emphasis on the role of software and on how standards relate to social and ethical issues. Current events as a driver for writing in traditional and online formats related to technology and policy. Open only to students with declared Computer Science major. Prerequisite: Computer Science 201.

COMPSCI344 - Computer Graphics
Subject: COMPSCI  
Catalog Number: 344  
Title: Computer Graphics

Description:
Overview, motivation, and history; Graphic software and APIs; coordinate systems and geometric transforms; drawing routines, antialiasing, supersampling; 3d object representation, spatial data structures, constructive solid geometry; hidden-surface-removal algorithms, z-buffer, A-buffer; illumination and shading models, surface details, radiosity; achromatic light, color specification, colorimetry, different color models; graphics pipeline; animation, levels of detail. Prerequisites: Computer Science 201.

COMPSCI345 - Graphics Software Architecture
Subject: COMPSCI  
Catalog Number: 345  
Title: Graphics Software Architecture

Description:
Learn the fundamentals of modern 2D software graphics, and how these can be efficiently implemented in C/C++. Core topics include color, geometric primitives, scan conversion, clipping, transformations, alpha blending, sampling. Advanced topics may include gradients, parametric curves, and triangle meshes. Students will develop their own graphics engine, evolving it over the course of the semester as new principles and techniques are introduced. At each milestone, their work will be evaluated for functionality, clarity, and performance. Students will learn firsthand how to evaluate implementation tradeoffs. Prerequisite: Computer Science 201; and Computer Science 210 or 250; and Mathematics 216, 218, or 221.
**COMPSCI350L - Digital Systems**

**Subject**
COMPSCI

**Catalog Number**
350L

**Title**
Digital Systems

**Description**
Design and implementation of combinational and sequential digital systems with special attention to digital computers. The use of computer-aided design tools, hardware description languages, and programmable logic chips to facilitate larger and higher performance designs will be stressed. Laboratory exercises and group design projects will reinforce the various design techniques discussed in class. Prerequisite: Electrical and Computer Engineering 250D or Computer Science 250.

**COMPSCI351 - Introduction to Computer Security**

**Subject**
COMPSCI

**Catalog Number**
351

**Title**
Introduction to Computer Security

**Description**
Principles of securing the creation, storage, and transmission of data and ensuring its integrity, confidentiality, and availability. Topics include access control and authentication in distributed systems; cryptography and cryptographic protocols (mainly key exchange protocols); user authentication; software vulnerabilities and software engineering to reduce vulnerabilities; firewalls and related technologies; technologies to support online privacy; and selected advanced topics. Prerequisite: Computer Science 210D or 250D and Computer Science 230.

**COMPSCI356 - Computer Network Architecture**

**Subject**
COMPSCI

**Catalog Number**
356

**Title**
Computer Network Architecture

**Description**
Introduces students to the fundamentals of computer networks. Focus on layered architecture of the network protocol stack. Case studies drawn from the Internet, combined with practical programming exercises. Concepts include the Internet architecture, HTTP, DNS, P2P, Sockets, TCP/IP, BGP, routing protocols, and wireless/mobile networking and their applications such as how to achieve reliable/secure communications over channels, how to find a good path through a network, how to share network resources among competing entities, how to find an object in the network, and how to build network applications. Prerequisite: ECE 250D, CompSci 210D or CompSci 250D.

**COMPSCI362 - Introduction to Computational Imaging**

**Subject**
COMPSCI

**Catalog Number**
362

**Title**
Introduction to Computational Imaging

**Description**
Computational imaging refers to the process of forming images from data where computation and algorithms play an integral role. This course will cover basic principles of image formation, denoising, classification, and inverse problems used in applications ranging from computational photography to biomedical and molecular imaging and vision science. Programming strategies to accelerate calculations and the fundamentals of modern imaging tools based on deep neural-networks will also be covered. Prerequisite: CompSci 230, Programming experience.

**COMPSCI370D - Introduction to Artificial Intelligence**

**Subject**
COMPSCI

**Catalog Number**
370D

**Title**
Introduction to Artificial Intelligence

**Description**
Algorithms and representations used in artificial intelligence. Introduction and implementation of algorithms for search, planning, decision, theory, logic, Bayesian networks, robotics and machine learning. Prerequisite: Computer Science 201 and one of the following: Computer Science 230, 200-level Mathematics course, or 200-level Statistical Science course.

**COMPSCI371 - Elements of Machine Learning**

**Subject**
COMPSCI

**Catalog Number**
371

**Title**
Elements of Machine Learning

**Description**
Fundamental concepts of supervised machine learning, with sample algorithms and applications. Focuses on how to think about machine learning problems and solutions, rather than on a systematic coverage of techniques. Serves as an introduction to the methods of machine learning. Prerequisite: Computer Science 201. Recommended Prerequisites: Mathematics 221, 218, or 216 or equivalent; Mathematics 212 or equivalent; and Mathematics 230, Statistical Science 230 or equivalent.
<table>
<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>COMPSCI</td>
<td>390</td>
<td>Topics in Computer Science</td>
</tr>
<tr>
<td>COMPSCI</td>
<td>390A</td>
<td>Duke-Administered Study Abroad: Advanced Special Topics in Computer Science</td>
</tr>
<tr>
<td>COMPSCI</td>
<td>391</td>
<td>Independent Study</td>
</tr>
<tr>
<td>COMPSCI</td>
<td>393</td>
<td>Research Independent Study</td>
</tr>
<tr>
<td>COMPSCI</td>
<td>394</td>
<td>Research Independent Study</td>
</tr>
<tr>
<td>COMPSCI</td>
<td>408</td>
<td>Delivering Software: From Concept to Client</td>
</tr>
</tbody>
</table>

**COMPSCI390 - Topics in Computer Science**

**Description**
Topics from various areas of computer science, changing each year. Includes research intensive work exposing the student to computer science research methodology and resulting in a major document or project. Prerequisite: Computer Science 201.

**COMPSCI390A - Duke-Administered Study Abroad: Advanced Special Topics in Computer Science**

**Description**
Topics differ by section.

**COMPSCI391 - Independent Study**

**Description**
Individual work in a field of special interest under the supervision of a faculty member, the central goal of which is a substantive paper, project, or written report covering a previously approved topic. Consent of instructor and director of undergraduate studies required.

**COMPSCI393 - Research Independent Study**

**Description**
Individual research in a field of special interest under the supervision of a faculty member, the central goal of which is a substantive paper, project, or written report containing significant analysis and interpretation of a previously approved topic. Consent of instructor and director of undergraduate studies required.

**COMPSCI394 - Research Independent Study**

**Description**
See Computer Science 393. Consent of instructor and director of undergraduate studies required.

**COMPSCI408 - Delivering Software: From Concept to Client**

**Description**
Development of software in teams that benefits a real-world client in the client's area of expertise. Meet client demands and needs including technology management skills such as feasibility assessment, project planning, project implementation, usability testing, documentation, marketing, and roll-out. Create significant software product, understand software development cycle at scale, create written work to accompany software. Recommended prerequisite: Computer Science 308 or similar team programming experience.
### COMPSCI434 - Topological Data Analysis

**Subject** COMPSCI  
**Catalog Number** 434  
**Title** Topological Data Analysis  

**Description**  
Introduction to topology from a computational viewpoint, with a focus on applications. Themes include: basic notions of point-set topology, persistent homology, finding multi-scale topological structure in point cloud data. Algorithmic considerations emphasized. Prerequisite: Mathematics 221 or equivalent.

### COMPSCI445 - Introduction to High Dimensional Data Analysis

**Subject** COMPSCI  
**Catalog Number** 445  
**Title** Introduction to High Dimensional Data Analysis  

**Description**  

### COMPSCI474 - Data Science Competition

**Subject** COMPSCI  
**Catalog Number** 474  
**Title** Data Science Competition  

**Description**  
In this course, students enter a data science competition. They learn any skills necessary to gain insight (data sleuthing). This may include classical machine learning algorithms, time series analysis or point processes, multi-armed bandits, creating a new custom machine learning technique, handling imbalanced data, techniques for tuning parameters, any of a broad array of other techniques, or domain knowledge in another field. Students will work in teams, and during class they will have the opportunity to discuss possible stumbling blocks. Prerequisites: CS 671 (or STA 671D or ECE 687D - Theory and Algorithms for Machine Learning), STA 622 (Statistical Data Mining), Math 466 (Mathematics of Machine Learning), STA 231 (Advanced Introduction to Probability), STA 470S (Introduction to Statistical Consulting) or STA 440 (Case Studies in the Practice of Statistics).

### COMPSCI89S - First-Year Seminar

**Subject** COMPSCI  
**Catalog Number** 89S  
**Title** First-Year Seminar  

**Description**  
Topics vary each semester offered.
<table>
<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMPSCI</td>
<td>92L</td>
<td>Technical and Social Analysis of Information and the Internet</td>
<td>Study of standards, software, policy, and the impact of computing and the Internet on science and society. Analysis and creation of software and other computational and digital artifacts to solve problems in many domains using different approaches, including data mining, web-based communication, algorithmic and data-driven approaches, crowdsourcing. Use of real-world problems in understanding evolving international standards. Analysis of tradeoffs in ethical, economic, and technical areas.</td>
</tr>
<tr>
<td>COMPSCI</td>
<td>93</td>
<td>History of Computing, Cryptography, and Robotic Devices</td>
<td>Introduction to the history of many diverse devices invented for computation, cryptography, and robotics. These technologies include a wide variety of ingenious devices, including purely mechanical devices, hybrid devices, as well as purely electrical devices. The history includes many fascinating inventors including Babbage and Turing. This history begins in the Greek period and spans many historical periods, to the modern times. By use of models and simulators, students will learn the basics of the operation and programming of various historical mechanical computers, robots and cryptographic devices. Students will do projects on historical devices and/or device inventors.</td>
</tr>
<tr>
<td>COMPSCI</td>
<td>94</td>
<td>Programming and Problem Solving</td>
<td>Programming and problem solving in a specific domain such as robotics, virtual worlds, web programming, biology, genomics, or computer science. Students learn the basics of programming by studying problems in one application area. Not open to students who have taken Computer Science 101, 102, 116, Engineering 103 or Computer Science 201.</td>
</tr>
<tr>
<td>COMPSCI</td>
<td>94FS</td>
<td>Programming and Problem Solving</td>
<td>Programming and problem solving in a specific domain such as designing and implementing games, robotics, virtual worlds, web programming, biology, genomics, or computer science. Students learn the basics of programming by studying problems in one application area.</td>
</tr>
<tr>
<td>CREOLE</td>
<td>101</td>
<td>Elementary Creole I</td>
<td>An introduction to the essential elements of Haitian Creole or Kreyòl language and aspects of Haitian culture. The first of the two-semester sequence of elementary Haitian Creole or Kreyòl, the course provides practice in understanding, speaking, reading, and writing the language, culturally contextualized through units on health care, Haitian women’s rights issues, and unpaid child servants (restavèk). Students will acquire enough vocabulary and idioms to be able to interact with Haitians. Taught in Haitian Creole. No prerequisite.</td>
</tr>
<tr>
<td>CREOLE</td>
<td>102</td>
<td>Elementary Creole II</td>
<td>Second course in the two-semester sequence on elementary Haitian Creole provides essential elements of Creole language and aspects of Haitian culture. Course is designed to help students develop speaking, listening, reading, and writing skills in Haitian Creole. Students will be exposed to different aspects of Haitian culture through films, storytelling, games, music, and proverbs. Pre-requisite: Creole 101 or a comparable level of previous Creole language experience, such as DukeEngage experience in Haiti or familial background in Creole. Taught in Haitian Creole.</td>
</tr>
</tbody>
</table>
### CREOLE203 - Intermediate Creole I

**Subject**: CREOLE  
**Catalog Number**: 203  
**Title**: Intermediate Creole I

**Description**  
First semester of Intermediate Haitian Creole or Kreyol. This course moves beyond survival skills in Creole to more complex social interactions and expressions of analysis and opinion. Intermediate skills in understanding, speaking, writing, reading will be contextualized within a broad range of issues such as rural life in Haiti, religion, frenchified Creole vs popular Creole, through texts, poems, and excerpts taken from novels in Haitian Creole. Students will learn to carefully follow contemporary events and debates in Haitian culture using internet resources in Creole. Pre-requisite: Creole 102 or equivalent. Taught in Haitian Creole.

### CREOLE204 - Intermediate Creole II

**Subject**: CREOLE  
**Catalog Number**: 204  
**Title**: Intermediate Creole II

**Description**  
Second semester of Intermediate Creole. Sharpens students reading and communication skills, further mastering Haitian Creole grammar at an advanced level, gaining a deeper understanding of the different components of Haitian culture while becoming familiar with the works of several Haitians artists (art, literature, poetry, and music) that play a significant role in promoting Haitian culture. Recommended prerequisite: Creole 203 or equivalent.

### CREOLE301 - Advanced Haitian Creole 1

**Subject**: CREOLE  
**Catalog Number**: 301  
**Title**: Advanced Haitian Creole 1

**Description**  
This class is designed to help students sharpen their listening, speaking, reading, and writing skills in Kreyòl at an advanced level while exploring different themes related to Ayiti such as literature(s), language(s), school system in Haiti, history, and different types of Haitian music. In addition, students will be able to work on different songs and music groups that left their mark on Haitian music for the past 50 years as well as Haitian films. Prerequisites: Creole 204 or completion of Advanced Intermediate Creole at any institution that offers Intensive Haitian Creole class or any native speaker who is fluent in reading and writing the language.

### CREOLE302 - Advanced Haitian Creole 2

**Subject**: CREOLE  
**Catalog Number**: 302  
**Title**: Advanced Haitian Creole 2

**Description**  
This class is designed to help students sharpen their listening, speaking, reading and writing skills at an advanced level so that they will be able to make themselves understood by native speakers while using proverbs, historical references, common idiomatic expressions, and even simple jokes. To do so, students will explore the archives of Radio Haiti-Inter available at Duke University which cover a range of significant themes that are linked with current events. All of these explorations will be supported by films, songs, poems, and paintings that go with each theme that will be studied in class. Prerequisite: Creole 301.

### CREOLE390S - Special Topics in Haitian Creole Studies

**Subject**: CREOLE  
**Catalog Number**: 390S  
**Title**: Special Topics in Haitian Creole Studies

**Description**  
Topics vary by semester.

### CREOLE393 - Research Independent Study

**Subject**: CREOLE  
**Catalog Number**: 393  
**Title**: Research Independent Study

**Description**  
Individual research in a field of special interest, under the supervision of a faculty member, resulting in a substantive paper or written report containing significant analysis and interpretation of a previously approved topic. Open only to qualified students by consent of instructor and director of undergraduate studies.
### CULANTH101 - Introduction to Cultural Anthropology

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<tr>
<th>Subject</th>
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<th>Title</th>
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<tbody>
<tr>
<td>CULANTH</td>
<td>101</td>
<td>Introduction to Cultural Anthropology</td>
</tr>
</tbody>
</table>

**Description**
Theoretical approaches to analyzing cultural beliefs and practices cross-culturally; application of specific approaches to case material from present and/or past cultures.

### CULANTH101D - Introduction to Cultural Anthropology

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<th>Subject</th>
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<tbody>
<tr>
<td>CULANTH</td>
<td>101D</td>
<td>Introduction to Cultural Anthropology</td>
</tr>
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</table>

**Description**
Same as Cultural Anthropology 101 except instruction is provided in lecture and discussion group each week.

### CULANTH102 - American Indian Nations Today

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<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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<tbody>
<tr>
<td>CULANTH</td>
<td>102</td>
<td>American Indian Nations Today</td>
</tr>
</tbody>
</table>

**Description**
This course is an introduction to the tremendous diversity of contemporary American Indian sovereign nations' and their citizens' experiences in the territory now known as the United States. American Indian Nations Today addresses the complexities of contemporary Native Nation topics by providing context for understanding the distinct political, legal, economic, social, and cultural institutions of Native Nations today. These topics and issues are analyzed from individual, local, and national Native and non-Native perspectives through readings, media, and occasional guest speakers.

### CULANTH103FS - Human Rights: Back to The Future, Looking at Roots and Current Reality of Human Rights

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<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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<tbody>
<tr>
<td>CULANTH</td>
<td>103FS</td>
<td>Human Rights: Back to The Future, Looking at Roots and Current Reality of Human Rights</td>
</tr>
</tbody>
</table>

**Description**
This Focus course introduces students to a brief history of rights as a way to ground our exploration of current human rights challenges and what rights may be envisioned in the future. Rights have never been static. Recent changes in how we see rights include the right to truth in post-conflict societies and animal rights. We'll explore how cutting-edge thinkers contribute to an expanded horizon of rights. We will be engaging with activists, scholars, and artists. Open only to students in the Focus Program.

### CULANTH104 - Introduction to Human Rights: Gateway for the Human Rights Certificate

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<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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<tbody>
<tr>
<td>CULANTH</td>
<td>104</td>
<td>Introduction to Human Rights: Gateway for the Human Rights Certificate</td>
</tr>
</tbody>
</table>

**Description**
This is the Gateway course for the Human Rights Certificate. Students are introduced to the history, theory, practice of, and current issues in human rights. The course is interdisciplinary.

### CULANTH105 - Introduction to African Studies (DS3 or DS4)

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<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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<tbody>
<tr>
<td>CULANTH</td>
<td>105</td>
<td>Introduction to African Studies (DS3 or DS4)</td>
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</table>

**Description**
A range of disciplinary perspectives on key topics in contemporary African Studies: nationalism and pan-Africanism, imperialism and colonialism, genocide and famine, development and democratization, art and music, age and gender.
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<th>Catalog Number</th>
<th>Title</th>
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<tbody>
<tr>
<td>CULANTH</td>
<td>106S</td>
<td>The Documentary Experience: A Video Approach</td>
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<td></td>
<td></td>
<td>Description: A documentary approach to the study of local communities through video production projects assigned by the course instructor. Working closely with these groups, students explore issues or topics of concern to the community. Students complete an edited video as their final project. Not open to students who have taken this course as Film/Video/Digital 105S.</td>
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<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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<tr>
<td>CULANTH</td>
<td>107</td>
<td>Introduction to Sustainable Development</td>
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<tr>
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<td></td>
<td>Description: Readings and case studies in sustainable development, social entrepreneurship, and other attempts to address natural resource limitations, economic inequality, and social justice. Focuses on the problems that sustainability is intended to solve, competing definitions and values. Includes perspectives from development experts, for- and non-profit sector innovators, anthropologists and other social scientists.</td>
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<tbody>
<tr>
<td>CULANTH</td>
<td>109</td>
<td>American Indians Go Graphic</td>
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<tr>
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<td></td>
<td>Description: Introductory-level American Indian Studies course that explores historic and contemporary Native Nation-centric topics through the medium of comic books and graphic novels. These topics include representation and racialization, differing forms of activism, economic development, and settler-colonial impacts.</td>
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<tbody>
<tr>
<td>CULANTH</td>
<td>110S</td>
<td>Embodied Blackness</td>
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<tr>
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<td></td>
<td>Description: How is race embodied and how are bodies racialized? How do gender, sexuality, class, size, perceived beauty, and ability mutually influence embodiment? This course considers anthropological and historical studies of the body, with a critical focus on Blackness. We investigate how Black human bodies are othered, valued, dehumanized, and experienced, across time and space, with a particular focus on the United States.</td>
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<tbody>
<tr>
<td>CULANTH</td>
<td>112</td>
<td>The Googlization of Knowledge: Information, Ethics, and Technology</td>
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<tr>
<td></td>
<td></td>
<td>Description: Google has altered the way we see the world and ourselves. Its biases, valuing popularity over accuracy, affect how we value information and navigate news and ideas. This course examines information from different angles within the context of social justice, open access to information, and how the Internet and Google affect our lives. Themes include knowledge as a public good, Internet policies, data and visual literacies, social media, and artificial intelligence. Hands-on work researching how technology affects the access, understanding, and reliability of information in students' lives. Analysis, discussions, and reflection assignments with ongoing application to team-based projects.</td>
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<th>Title</th>
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<tbody>
<tr>
<td>CULANTH</td>
<td>113FS</td>
<td>Enterprising Leadership and Civic Engagement</td>
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<tr>
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<td></td>
<td>Description: An exploration of ways that students can exercise enterprising leadership to develop innovative, resourceful solutions to important civic issues within and external to Duke University. Course includes four primary focuses: understanding models of change, exploring and practicing enterprising leadership behaviors, reflecting upon ethical values, and designing and implementing a civic engagement project on campus. Open only to students in the Focus Program. Instructor consent required.</td>
</tr>
</tbody>
</table>
### CULANTH114FS - Making Your Case: Global Advocacy for Humanitarian Causes

**Subject:** CULANTH  
**Catalog Number:** 114FS  
**Title:** Making Your Case: Global Advocacy for Humanitarian Causes

**Description:** This course equips students with public speaking skills and cultural awareness in the pursuit of effective advocacy for humanitarian causes. At the heart of students’ initiative for advocacy lie three questions: 1) Does it improve the human condition? 2) Will it cause no harm and 3) Is it ethical? Centered on the skill of researching an area of humanitarian need, and presenting an initiative of advocacy through effective communication skills, it stresses the critical importance of cultural and ethical considerations in both the analysis of humanitarian challenges, and processes through which these pressing issues can be addressed in the quest of advocating for change.

### CULANTH130 - Anthropology and Film

**Subject:** CULANTH  
**Catalog Number:** 130  
**Title:** Anthropology and Film

**Description:** The study of feature films and documentaries on issues of colonialism, imperialism, war and peace, and cultural interaction. An introduction to critical film theory and film production in non-Western countries.

### CULANTH131 - World Music: Aesthetic and Anthropological Approaches

**Subject:** CULANTH  
**Catalog Number:** 131  
**Title:** World Music: Aesthetic and Anthropological Approaches

**Description:** Study of musical styles and practices in relation to issues of creativity, forms of power, and cultural survival; focus on the music and experiences of indigenous peoples, refugees, migrants, and immigrants.

### CULANTH137 - Music, Social Life, and Scenes

**Subject:** CULANTH  
**Catalog Number:** 137  
**Title:** Music, Social Life, and Scenes

**Description:** Study of musical styles and performance practices in relation to issues of identity and other aspects of social life; focus on the diverse local musical scenes and traditions and on learning through doing original fieldwork.

### CULANTH140S - Empires in Modern European History

**Subject:** CULANTH  
**Catalog Number:** 140S  
**Title:** Empires in Modern European History

**Description:** An introduction to political theories of imperialism and a comparative historical analysis of several European empires. Explores questions of nationalism, race, religious pluralism, state formation, globalization, and international governance. Readings drawn from history, sociology, anthropology, and political science.

### CULANTH148 - Israel/Palestine: Comparative Perspectives

**Subject:** CULANTH  
**Catalog Number:** 148  
**Title:** Israel/Palestine: Comparative Perspectives

**Description:** Introduction to the Israel/Palestine conflict, studied through an interdisciplinary lens, including scholarship from the fields of anthropology, environmental studies, history, geography and cultural studies. Themes include: competing nationalisms, environmental politics and resource management, peace building, refugees and displacement, humanitarian crises and challenges, representational politics. Range of primary sources will be used including human rights reports and testimonials, natural resource policies, feature and documentary film, memoirs, political treatises, and maps.
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<tr>
<th>Subject</th>
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<th>Title</th>
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<tbody>
<tr>
<td>CULANTH150</td>
<td>150</td>
<td>Anthropology of Food</td>
</tr>
<tr>
<td>Description</td>
<td></td>
<td>Food systems, globalization and sustainability, cultural and symbolic uses of cuisine, politics and economics of consumption - production. Readings in anthropology of food, food economics, history of cuisine, and allied social science disciplines. Appropriate for students in social sciences, global/public health, etc.</td>
</tr>
<tr>
<td>CULANTH151S</td>
<td>151S</td>
<td>Sports and Society</td>
</tr>
<tr>
<td>Description</td>
<td></td>
<td>This course will examine the giant role that sports play in the modern world. It will explore the history of sports in the U.S. and worldwide, and the role of forces like race, gender, mythmaking, economics, and fan cultures in a variation of games from soccer to basketball and football.</td>
</tr>
<tr>
<td>CULANTH167S</td>
<td>167S</td>
<td>Gateway Seminar: Nationalism: Ideology, Technology, Globalization</td>
</tr>
<tr>
<td>Description</td>
<td></td>
<td>What is a nation? What is a nation state? Is the nation state still a useful unit of government today? The goal of this seminar is to teach you theoretical and methodological tools and historical examples to critically think about nationalism in globalization. Readings include primary sources, classic theories on nationalism, fresh arguments from sociology and anthropology. The historical and contemporary case studies include American, Middle Eastern, South Asian, and European examples.</td>
</tr>
<tr>
<td>CULANTH170</td>
<td>170</td>
<td>Advertising and Society: Global Perspective (DS4)</td>
</tr>
<tr>
<td>Description</td>
<td></td>
<td>History and development of commercial advertising; advertising as a reflector and/or creator of social and cultural values; advertisements as cultural myths; effects on children, women, and ethnic minorities; advertising and language; relation to political and economic structure; and advertising and world culture. Emphasis on American society complemented by case studies of advertising in Canada, Japan, Mexico, Russia, Western Europe, and selected other countries.</td>
</tr>
<tr>
<td>CULANTH170D</td>
<td>170D</td>
<td>Advertising and Society: Global Perspective (DS4)</td>
</tr>
<tr>
<td>Description</td>
<td></td>
<td>Same as Cultural Anthropology 170 except instruction is provided in lecture and discussion group each week.</td>
</tr>
<tr>
<td>CULANTH171</td>
<td>171</td>
<td>Business Anthropology: Anthropologists in the Workplace</td>
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<tr>
<td>Description</td>
<td></td>
<td>Introduces students to the various applications of anthropological theory and ethnographic method in contemporary institutional settings with the aim of familiarizing students with alternative career opportunities. The course looks at corporate and other private and public-sector use cases as well as the extensive literatures in the fields of organizational management, user, and consumer experience. Students also engage professionals in order to better understand processes of research, hypothesis testing, analysis, and the formulation of organizational management, design, and other strategic solutions for clients.</td>
</tr>
</tbody>
</table>
CULANTH172 - The Anthropology of Design and User Experience (UX) Research

Description
The field of design and the burgeoning field of User Experience (UX) research has recently applied the methods anthropologists have used for over a century. The methods of cultural anthropology are distinctly aligned to ask questions about motivations, beliefs, values, and relationships within cultural systems through direct participant observation, surveys, focus groups, and archival research. Privileging critical listening, empathy, and perspective-taking, we try to discern why people do what they do and apply these questions to human-centered design.

CULANTH173S - The Ways and Wisdom of First-Gen College Students

Description
This course examines the experience of first-generation college students, including their unique challenges, strategies, observations, and analyses. It is intended equally for students of all backgrounds and will, through the ethnographic method, train students in empathetic listening and participant-observation, as well as socially contextualized and cross-culturally comparative analysis.

CULANTH180FS - Heroes and Villains: Dissidence in the Middle East

Description
Considering the historical culture of disobedience in the Middle East and the significant actors as superheroes and villains depending on the time and their affiliations. Investigating how the dissident voices are constructed and performed from pre-modern esoteric practices in dervish convents, or coffee houses to print culture and social media in modern times. Discussing major themes such as protest and propaganda, censorship and self-censorship, and surveillance and counter-surveillance through films, poetry, graphic novels, and music.

CULANTH185S - African Hashtag Activism

Description
The technological leapfrogging of the last three decades introduced mobile and smartphone technologies to Africans radically altering the modes of organizing available to women, members of the LGBTQI+ community, and other vulnerable groups. But beyond giving voice to local concerns, African opinions and perspectives are also directed towards larger conversations about climate change action, resistance to US hegemony, and the role China plays in African development.

CULANTH189 - Women and Gender in the Middle East

Description
An introductory survey exploring the Middle East through the gender perspective. Introduction to the gender and women’s studies in the Middle East and the major issues. Cross-cultural and interdisciplinary readings to introduce the diversity of the region. Readings and screenings include the narratives and performances from the region.

CULANTH190A - Duke-Administered Study Abroad: Introductory Special Topics in Cultural Anthropology

Description
Topics differ by section.
**CULANTH190FS - Special Topics in Focus**

**Subject**  
CULANTH

**Catalog Number**  
190FS

**Title**  
Special Topics in Focus

**Description**  
Selected topics vary each semester. Open only to students in the Focus Program. Instructor consent required.

---

**CULANTH190S - Topics in Cultural Anthropology**

**Subject**  
CULANTH

**Catalog Number**  
190S

**Title**  
Topics in Cultural Anthropology

**Description**  
Topics vary each semester.

---

**CULANTH190SA - Duke-Administered Study Abroad: Special Topics in Cultural Anthropology**

**Subject**  
CULANTH

**Catalog Number**  
190SA

**Title**  
Duke-Administered Study Abroad: Special Topics in Cultural Anthropology

**Description**  
Topics differ by section.

---

**CULANTH195 - Critical Approaches to Global Issues**

**Subject**  
CULANTH

**Catalog Number**  
195

**Title**  
Critical Approaches to Global Issues

**Description**  
Introduction to critical transnational studies through several disciplinary approaches. Examines capitalism and neo-liberal globalization and their relationships to culture, politics, economics, and other social forms and outcomes; considers transnationalism ‘from below’; addresses linear and Western-centric thinking about progress and modernity; focuses a historical lens on political discourses, institutions, and projects to understand them contextually; demonstrates how cultures and identities are dynamically constituted in interaction with historical, material, political, and situational factors; considers how different inequalities and contestations inflect most social formations.

---

**CULANTH195S - Gateway Seminar: Rethinking Asia and the Middle East**

**Subject**  
CULANTH

**Catalog Number**  
195S

**Title**  
Gateway Seminar: Rethinking Asia and the Middle East

**Description**  
Studies intellectual concepts and cultural frameworks from Asia at large; compares normative European and North American conceptions of East Asia and the Middle East with contemporary challenges; examines how they internalize, negotiate and resisted Eurocentric knowledge; and focuses on nation, gender and race.

---

**CULANTH196FS - Patient and Research Participant Activism and Advocacy**

**Subject**  
CULANTH

**Catalog Number**  
196FS

**Title**  
Patient and Research Participant Activism and Advocacy

**Description**  
In the 1960s, patients appropriated the language and tactics of the civil rights movement to advance clinical and research agendas. Today patient activism is evolving, leading to new solutions, dilemmas, and organizational structures. This course will examine patient and research participant activism and the ways it challenges conventional notions of expertise, amateurism, 'human subjects protections,' and minimization of risk. Students will bring the tools of journalism, anthropology, humanities scholarship, public policy and community engagement/citizen science to bear on ethical and policy questions. Open only to students in the Science & the Public Focus Program cluster. Department consent required.
### CULANTH201 - Introduction to Linguistics

**Subject**  
CULANTH

**Catalog Number**  
201

**Title**  
Introduction to Linguistics

**Description**  
Introduction to the scientific study of linguistics and languages. Topics include the origin and nature of language, methods of historical and comparative linguistics, theories and schools of linguistics, empirical and descriptive approaches to the study of language, including phonology, morphology, semantics, and syntax.

### CULANTH202 - Languages of the World

**Subject**  
CULANTH

**Catalog Number**  
202

**Title**  
Languages of the World

**Description**  
The major languages of the world viewed in the context of the communicative and signficate functions of language as parameters that shape and define society. The role of language in defining and structuring culturally-based relationships from a semiotic point of view. The structure, writing systems, phonology, morphology, and lexicon of languages from the following groups: Indo-European, Semitic, Turkic, Finno-Ugric, Caucasian, Afroasiatic, Sino-Tibetan, Niger-Kordofanian, Dravidian, and Native American languages.

### CULANTH203 - Marxism and Society

**Subject**  
CULANTH

**Catalog Number**  
203

**Title**  
Marxism and Society

**Description**  
Introduction to Marx's core concepts, such as alienation, commodity, and revolution. Includes examination of Marx's own major historical & political analyses, his economic texts, and his philosophical writings. Students also gain familiarity with the role of Marxist thought in different fields and disciplines, including feminist theory, anthropology, history, political science, and literary studies.

### CULANTH205 - The Law and Language

**Subject**  
CULANTH

**Catalog Number**  
205

**Title**  
The Law and Language

**Description**  
Intersections of language and law and legal institutions examined from a comparative approach, i.e., official state language and national identity; freedom of speech and its limitations; language as property.

### CULANTH207 - Anthropology of Sports

**Subject**  
CULANTH

**Catalog Number**  
207

**Title**  
Anthropology of Sports

**Description**  
The role of sports in different cultures in the contemporary world. Dynamics of race, gender, sexuality, fantasy and desire, mythmaking and the culture of celebrity, commercial and mass media. Not open to students who have taken CulAnth 89S World of Sports.

### CULANTH208 - The Anthropology of Race

**Subject**  
CULANTH

**Catalog Number**  
208

**Title**  
The Anthropology of Race

**Description**  
Human variation and the historical development of concepts of race; science and scientific racisms; folk-concepts of race; and the political and economic causes of racism; ethics of racism.
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<tr>
<th>Course Code</th>
<th>Catalog Number</th>
<th>Subject</th>
<th>Title</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>CULANTH208FS</td>
<td>208FS</td>
<td>CULANTH</td>
<td>The Anthropology of Race</td>
<td>Same as Cultural Anthropology 208 but taught as part of the FOCUS program.</td>
</tr>
<tr>
<td>CULANTH209</td>
<td>209</td>
<td>CULANTH</td>
<td>Arab Cultures: Literature, Politics, History</td>
<td>Explore different facets of modern and contemporary Arab cultures; memoirs, novels, prison notebooks, films, comic books, theoretical tracts, music, psychiatric case-studies, histories, and ethnographies; consider how authors depict key historical transformations taking place in the Arab world; different angles through which political questions are tackled; the negotiation between self and other.</td>
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<tr>
<td>CULANTH210</td>
<td>210</td>
<td>CULANTH</td>
<td>Global Culture</td>
<td>Globalization examined through some of its dominant cultural forms—the marketing of pop music, the globalization of TV culture, the spread of markets and commodities, the export of political ideologies. Special focus given to the way in which these forms both affect and are transformed by local cultures in Africa, South Asia, East Asia, and Latin America.</td>
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<tr>
<td>CULANTH212</td>
<td>212</td>
<td>CULANTH</td>
<td>Language and Society</td>
<td>Course examines language as a social practice, focusing on different aspects of its role in social life. Topics addressed include: language and social identity, such as ethnicity, social class, age, and gender; variation in language, including dialects, accents, and registers; multilingualism and language contact; new languages such as pidgins and creoles; language, culture, and intercultural communication; language and ideology; language in education and in the media. Through the discussion of these topics and homework including reading and small research projects, students are introduced to key concepts, theories, and methods in sociolinguistics and linguistic anthropology.</td>
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<tr>
<td>CULANTH214S</td>
<td>214S</td>
<td>CULANTH</td>
<td>Shamanism and Spirit Possession</td>
<td>Anthropological, psychological, and Religious Studies approaches to cross-cultural study of spirit possession and shamanism. Examination of in-depth case-studies and comparative works, from both literate civilizations and non-literate cultures. Engage with contemporary concerns with nature and boundaries of personhood and embodiment and their relation to leadership.</td>
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<tr>
<td>CULANTH215S</td>
<td>215S</td>
<td>CULANTH</td>
<td>Indian Civilization</td>
<td>Surveys the rise of civilization and kingdoms on the Indian subcontinent from the first urban centers of the Indus Valley through the establishment of the Mughal Empire in the 16th century. Uses literary, archeological, linguistic, ethnological, and inscriptive evidence on the diversity of Indic peoples and their complex social, religious, and caste integration into the major states and empires of pre-modern India; considers wider civilizational networks and extensions of the Indian cultural sphere into other parts of Asia; integrates a historical and anthropological perspective on various primary materials.</td>
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</tbody>
</table>
CULANTH216S - Global Migration and Ethics

Subject: CULANTH  
Catalog Number: 216S  
Title: Global Migration and Ethics  

Description:
Same as Cultural Anthropology 216 except in seminar format.

CULANTH217S - Language & Identity: How We Construct Identities and Reproduce Social Hierarchies Through Language

Subject: CULANTH  
Catalog Number: 217S  
Title: Language & Identity: How We Construct Identities and Reproduce Social Hierarchies Through Language  

Description:
Language is a central and pervasive feature of human identity through which we portray ourselves and negotiate social identities. With such practices we reproduce values, norms, social hierarchies, and the privilege these entail. Using examples from media, literature, and ethnographic data we will explore how speakers negotiate social identities through language and how ideas about it inform our understanding and interpretation of society and speakers within it. Topics include language, racism, gender, sexuality, class, ethnicity and ways that language and discourse construct and maintain a sense of belonging, otherness, truth, and value. Not open to students who have taken Romance Studies 207FS.

CULANTH218S - Anthropology and Global Health

Subject: CULANTH  
Catalog Number: 218S  
Title: Anthropology and Global Health  

Description:
Investigates connections between anthropology and global health. Readings based on ethnographic research conducted globally. Topics include cross-cultural experiences of epidemics, ethical implications of globalizing clinical trials, moral and political dimensions of health and humanitarian interventions, connections between nationalism and population policy, overlaps between traditional healing systems and public health programs, how gender ideologies shape reproductive health, and questions of identity, power, and ethics amidst global rollout of HIV therapies.

CULANTH219 - Introduction to Performance Studies

Subject: CULANTH  
Catalog Number: 219  
Title: Introduction to Performance Studies  

Description:
Introduction to field of performance studies, with examples drawn from music, dance, theatre, performance art, protests, rituals, and everyday life. Through comparative study of global performance, we explore the usefulness of concepts of ritual, play, and performativity as they relate to performance and technology; intercultural performance and implications and ethics of appropriation and borrowing; originality and imitation; archive and repertoire; performative writing; and the performative dimensions of gender, race, and sexuality.
CULANTH220FS - Global 'Mixed Race' Studies

Subject: CULANTH  
Catalog Number: 220FS  
Title: Global 'Mixed Race' Studies

Description: By exploring pioneering and controversial writings from both the social and the biological sciences as well as the humanities, this course will situate debates on ‘race’, ‘mixed race’ and social hierarchies within broader global, comparative, and historical contexts. These comparative examples shed light on the different social, social, and historical meanings attached to ‘race’ and ‘mixed race’ and address social and cultural variations in the symbolic rules which determine the social status of ‘mixed race’ communities. Open only to students in the Focus Program.

CULANTH220S - Global 'Mixed Race' Studies

Subject: CULANTH  
Catalog Number: 220S  
Title: Global 'Mixed Race' Studies

Description: By exploring pioneering and controversial writings from both the social and the biological sciences as well as the humanities, this course will situate debates on ‘race’, ‘mixed race’ and social hierarchies within broader global, comparative, and historical contexts. These comparative examples shed light on the different social, cultural, and historical meanings attached to ‘race’ and ‘mixed race’ and address social and cultural variations in the symbolic rules which determine the social status of ‘mixed race’ communities. Open only to DukeImmerse students. Instructor consent required.

CULANTH221SL - Capoeira: Practice and Culture

Subject: CULANTH  
Catalog Number: 221SL  
Title: Capoeira: Practice and Culture

Description: Lecture/lab course introducing the movement, music and culture of capoeira, an Afro-Brazilian martial art that combines dance, self-defense and acrobatics. Created by male African slaves in Brazil several hundred years ago, viewed as a social threat and outlawed in the 19th century, celebrated as an element of national identity in the 20th century, today capoeira is rapidly crossing national, racial and gender borders as it becomes a popular global practice. Studio classes twice a week focus on the basic movements, percussive music and call-and-response singing. Seminar once a week focuses on the historical, cultural and socio-political dynamics that shape capoeira in Brazil and beyond.

CULANTH222S - Sound in Social Life

Subject: CULANTH  
Catalog Number: 222S  
Title: Sound in Social Life

Description: Considers sonic environments as socially cultivated and sound production (recording, processing, mixing) and listening as cultural practices, shaped by acoustic space. Includes study of music, recorded soundscapes (films, games, installations, field recordings), built and ecological environments (rainforests, cities, institutions), and the history and use of sound technology (sound production, reproduction, reception, acoustic materials).
### CULANTH222SA - Sound in Social Life

**Description**
Focus on sound in NYC, to consider sonic environments as socially cultivated and listening as a cultural practice, shaped by acoustic space. Includes study of music, recorded soundscapes (films, games, installations), built and ecological environments (parks, subways, streets, institutions, clubs, neighborhoods), the politics of soundmaking, and the history and use of sound technology (sound production, reproduction, reception, acoustic materials). Considers noise ordinances in relation to public life, the representation of public life in sound, the shaping of city living practices by its acoustic architecture, and creative responses in sound as urban activist projects. Offered through the Duke in New York program.

### CULANTH223S - Global Stories, Local Issues

**Description**
What stories are there to tell about often overlooked objects and people and places? How can we research and share those stories with generosity and integrity? In every corner of our lives—the stickers on our computers, the plates at a local restaurant, the wood in our guitars—there is a story to be told that connects our individual experiences to broader, often global, phenomena. Participants will learn and use methods of ethnography and archival research to connect their experiences and their observations about a place, community, or thing to larger stories about culture and society, and they will practice writing about their research in engaging and broadly accessible ways.

### CULANTH224S - Muslim Women Across the Ages

**Description**
This course explores the diverse realities of Muslim women's lives, from the origins of Islam to the present, through autobiographical and biographical accounts situated in their social, economic, political, and cultural contexts. The women we will encounter through textual and audiovisual materials represent a wide range of personal backgrounds, including scholars, mystics, merchants, philanthropists, poets, slavegirls, feminists, and Islamists. We will metaphorically travel across the globe and time to understand the multifarious facets of Muslim women's lived experiences.

### CULANTH225 - Stimulants and Society

**Description**
Undergraduate course on stimulants and legal 'drug foods' (e.g., sugar, coffee, tea, tobacco) their use and development historically in context of European colonialism and their transformation in major global commodities in modern capitalism. Studies the connection between pharmacology, cultural reception, markets, supply chains, and political economy. Students prepare for independent final research project via interdisciplinary readings from history, anthropology, environmental studies as well as in-class demonstrations and field visits. Suitable for students interested in food studies, STS, pharmacology as well as anthropology, history, environmental studies.
### CULANTH226S - Performing African Diaspora

**Subject:** CULANTH  
**Catalog Number:** 226S  
**Title:** Performing African Diaspora

**Description:**  
The Black cultural contributions of globally popular performance genres such as salsa, capoeira and kizomba often remain unrecognized. The objectives of this class are:  
1. To understand the historical, cultural and political forces that created the African Diaspora and its rich tapestry of dances.  
2. To question our assumptions that knowledge is only produced through the mind; knowledge is also produced and transmitted through moving bodies. To meet these objectives, the course will be a combination of seminar and studio: in seminar we will engage readings in anthropology, dance and performances studies about specific dances which we will then learn in studio.

### CULANTH227 - Internet, Technology, and Capitalism

**Subject:** CULANTH  
**Catalog Number:** 227  
**Title:** Internet, Technology, and Capitalism

**Description:**  
This course will explore the role of the internet and new technologies in our society. We will examine the history of the rise of the computer age, and then cover questions that include surveillance and algorithmic targeting; cybercommerce and crypto; AI and robots; social media and celebrity; labor rights and profit-making; and the changing nature of daily life in a wireless world. There will be several guest speakers as well as readings, films, and other content.

### CULANTH228FS - Human Rights on Camera

**Subject:** CULANTH  
**Catalog Number:** 228FS  
**Title:** Human Rights on Camera

**Description:**  
This course studies the interplay between cameras and human rights; how media technologies are used by activists and human rights workers to amplify grievances. Focus on cases studies where state violence was captured on camera: the Rodney King beating; the Abu Ghraib torture images; the Syrian revolution; and the Black Lives Matter movement. How are legal assessments impacted by visual aesthetics? How much faith do we have in the power of cameras to deliver justice? Readings in foundational theoretical texts about media, technology, and visuality. Open only to students in the Focus Program.

### CULANTH229S - Politics of Pandemics

**Subject:** CULANTH  
**Catalog Number:** 229S  
**Title:** Politics of Pandemics

**Description:**  
Exploration of social, cultural, historical, and political facets of epidemic disease and widespread health crises. Key concepts of medical anthropological research and writing; reading ethnographic texts alongside journalistic, literary, and policy accounts of disease experiences and institutional responses. Assess scope, scale, and genre associated with representing pandemics. Analyze global case studies of both infectious and chronic diseases.
CULANTH230 - Southern Voices: Activism and Progressive Movements in the US South

Subject: CULANTH
Catalog Number: 230
Title: Southern Voices: Activism and Progressive Movements in the US South

Description:
This course explores the lesser known, often hidden, and dismissed works of activism in the US South, primarily through an ethnographic lens. While many know key moments of the Civil Rights movement, much equity and justice work today has its roots in large Southern post-Reconstruction efforts and conflicts. Interdisciplinary lectures will examine a wide variety of movements including labor, health, music, sports, food, education, religion, and media representations. The trajectories of these movements will be contextualized over time in order to understand current regional grassroots and policy actions as well as impacts on national policies.

CULANTH232 - Gender and Language

Subject: CULANTH
Catalog Number: 232
Title: Gender and Language

Description:
Theoretical approaches to the question of the interrelationship of gender and language including neurobiology, psychology, semiotics, feminist critical theory, philosophy of language, discourse analysis, and linguistic theory. Taught in English.

CULANTH234S - Anthropology and Education

Subject: CULANTH
Catalog Number: 234S
Title: Anthropology and Education

Description:
Exploration of different conceptions of culture and the importance of employing cultural lenses to examine the process of education. Investigation, in particular, of the impact of culture and issues of race, class and gender in American schools.

CULANTH235 - African Music: Sound, History, Culture, Politics

Subject: CULANTH
Catalog Number: 235
Title: African Music: Sound, History, Culture, Politics

Description:
This class is about the sound, culture, politics and history of African music as heard in the world today. We will sample diverse styles and practices from around the continent, including live and recorded musics, 'popular' and 'traditional' styles, and sacred and secular practices. The class aims to teach you about the music itself, the African history of the international music industry, and about the social value of music, exploring how the patterns of circulation of African music could augment or diminish African problems, Africa’s promise, and Africans’ creative gifts to the world.
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<tr>
<th>Course Code</th>
<th>Title</th>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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<tbody>
<tr>
<td>CULANTH236S</td>
<td>Farmworkers in North Carolina: Roots of Poverty, Roots of Change</td>
<td>CULANTH</td>
<td>236S</td>
<td>Focus on those who bring food to our tables, particularly those who</td>
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<td>labor in the fields of North Carolina and the Southeast. Students will</td>
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<td>learn about farm work from the plantation system and slavery to</td>
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<td>sharecropping and up to the migrant and seasonal farmworker</td>
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<td>population today. Study and analysis of media representations of</td>
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<td>farmworkers and agricultural issues as well as historical and</td>
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<td>contemporary documentary work and its contributions to farmworker</td>
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<td>advocacy. Includes a service-learning component involving work in the</td>
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<td>community.</td>
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<td>CULANTH240</td>
<td>Love and Loneliness: What's Happening to Relationships in the</td>
<td>CULANTH</td>
<td>240</td>
<td>Long-standing ties to other—whether of kinship, marriage, or community</td>
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<td>Twenty-First Century?</td>
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<td>—have long been considered to be fundamental to the human condition.</td>
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<td>But in an age of dissipated and shifting social worlds, the</td>
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<td>relationships we form with others are radically changing in the</td>
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<td>twenty-first century. The class will critically examine the</td>
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<td>ideals, premises, and obstacles for forming intimacy with others</td>
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<td>through such cases as hook-ups, solitary death, solo weddings,</td>
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<td>domestic violence, human/non-human attachments, and migrancy.</td>
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<tr>
<td>CULANTH241</td>
<td>Migrant China</td>
<td>CULANTH</td>
<td>241</td>
<td>Introduction to the study of contemporary China, including Taiwan and</td>
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<td>the Chinese Diaspora. Key themes include family and kinship, sex and</td>
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<td>gender, regional diversity, ethnic minority relations, the politics</td>
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<td>of modernity, revolution, and reform, and the representation of</td>
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<td>Chinese identity through popular media, film, and travel.</td>
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<tr>
<td>CULANTH242S</td>
<td>Bodies at Work</td>
<td>CULANTH</td>
<td>242S</td>
<td>This course traces the dynamic relationship between bodies and</td>
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<td>economies over the course of American history. If disability has been</td>
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<td>defined as the inability to work, then an exploration of disability</td>
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<td>necessitates an exploration of capitalism. Moving between disability</td>
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<td>studies and labor history, students will develop the conceptual tools</td>
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<td>necessary to understand capitalism through the lens of disability,</td>
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<td>while also generating new ways to think about disability via critical</td>
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<td>histories of capitalism. We will also look at how disabled people</td>
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<td>have pushed back, envisioning new ways of valuing bodies beyond</td>
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<td>productivity.</td>
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<tr>
<td>CULANTH243</td>
<td>Culture and Politics in Latin America</td>
<td>CULANTH</td>
<td>243</td>
<td>Key themes in Latin American societies, including art, literature,</td>
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<td>history, violence and human rights, economic development, and</td>
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<td>rebellion and revolution.</td>
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<td>CULANTH245S</td>
<td>Human Rights in the Americas</td>
<td>CULANTH</td>
<td>245S</td>
<td>This course introduces students to the history of human rights in</td>
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<td>Latin America, with a focus on certain regions. We will begin with</td>
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<td>the Conquest and cover the emergence of independent nation-states; the</td>
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<td>role of imposed economic policies, including neoliberalism; indigenous</td>
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<td>protest movements and their relationships to corporate interests; and</td>
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<td>the influence of the United States on human rights, government</td>
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<td>formation, immigration and the drug trade. Instructor consent</td>
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<td>required. Open only to students in the DukeImmerse program.</td>
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</tbody>
</table>
### CULANTH250 - Muslim World: Transformations and Continuities

**Subject**  
CULANTH  

**Catalog Number**  
250  

**Title**  
Muslim World: Transformations and Continuities  

**Description**  
The diversity of social practices within the community of Islam. Particular emphasis on gender relations, religious movements, diaspora communities, and social change.

### CULANTH254 - Cultures and Politics of the America Borderlands

**Subject**  
CULANTH  

**Catalog Number**  
254  

**Title**  
Cultures and Politics of the America Borderlands  

**Description**  
Americas borderlands refers to the intersection of North and Latin America through the movement of people, products, ideas, and technologies with focus on culture and agri-culture, including the production of food and pharmaceuticals - legal and illegal; explores dirt as concept of matter out of place and people without place and how sustenance can become poison; examines histories of Latin American bodies as 'terrain' for US-based scientific experiments.

### CULANTH255 - World of Korean Cinema

**Subject**  
CULANTH  

**Catalog Number**  
255  

**Title**  
World of Korean Cinema  

**Description**  
The world of Korean cinema, broadly defined in terms of national, generic, theoretical boundaries, beyond conventional auteur, genre, one-way influence, and national cinema theories. Cinematic texts examined in local, regional, and global contexts and intersections, in conversation with global theories and histories of cinema, visual cultures, and other representational forms. Variable topics informed theoretically and politically by discourses on gender/sexuality, race/ethnicity, global flows of people and cultures, popular and 'high' culture crossovers, transnational co-productions, remakes, translations and retellings. No knowledge of Korean language/culture presumed.

### CULANTH256 - Islamic Civilization I

**Subject**  
CULANTH  

**Catalog Number**  
256  

**Title**  
Islamic Civilization I  

**Description**  
A global history of Islamic thought, practice, spirituality, politics, and culture. This course analyzes the emergence of Islam and the spread of Muslim culture and learning across Africa, Asia, and Europe. It introduces how Muslims fostered a globalized economy and international community of scientists, scholars, agriculturalists, musicians, artisans, and philosophers of diverse backgrounds – along with other key themes that students may pursue in greater detail in future coursework. Gateway course for an interdisciplinary certificate in Islamic studies.

### CULANTH257 - Islamic Civilization II

**Subject**  
CULANTH  

**Catalog Number**  
257  

**Title**  
Islamic Civilization II  

**Description**  
Continuation of Religion 375.

### CULANTH258S - Our Culinary Cultures

**Subject**  
CULANTH  

**Catalog Number**  
258S  

**Title**  
Our Culinary Cultures  

**Description**  
Documentary approach to the world of food using fieldwork research. Topics of food and its preparation examined through deep stories of how food is raised, prepared, and presented in order to explore how the myriad ways in which what we eat reveal key biographical, economic, religious, and other truths about our cultures. Introduces students to the history of food writing and the concept of food in general as a nonverbal tool of communication. Photography, audio, and documentary writing employed.
**CULANTH259S - Around the Bloc: Cold War Culture in the USSR and Eastern Europe**

**Subject**  
CULANTH

**Catalog Number**  
259S

**Title**  
Around the Bloc: Cold War Culture in the USSR and Eastern Europe

**Description**  
Drawing on oral and written history, memoirs, film, fiction, and essays in anthropology and sociology, we'll resist the black/white readings imposed by the Iron Curtain and explore the dreams, fears, ethical concerns, cultural trends, and lifestyles of Cold War baby boomers in the USSR, Poland, Czechoslovakia, and Romania. Highlighted topics include: the privileges and discontents of postwar youth, the atomic age and its mutations, adventures in socialist consumer culture, gender politics and real life, making art about the socialist state of the absurd. All texts in English translation, films screened with English subtitles.

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**CULANTH261D - Race, Genomics, and Society**

**Subject**  
CULANTH

**Catalog Number**  
261D

**Title**  
Race, Genomics, and Society

**Description**  
The field of genetics has been at the forefront of discourse concerning the concept of 'race' in humans. This course explores human origins, human variation, human identity, and human health through a broad range of enduring and emerging themes and challenging questions related to race and genetics (and now, genomics) on a global scale. Students will acquire knowledge and skills required for integrative analyses of the relevant scientific, ethical, legal, societal, cultural, and psychosocial issues. Open to students at all levels from any discipline in the arts, humanities, and sciences (natural, social, formal, and applied).

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**CULANTH262S - Documenting Black Experiences**

**Subject**  
CULANTH

**Catalog Number**  
262S

**Title**  
Documenting Black Experiences

**Description**  
Explores how Black experiences have been documented and how crucial stories woven from real life get told. Students engage wide ranging contemporary and historical materials, including nonfiction, memoir, fiction, documentary and dramatic film, theater, poetry and music. Our aspirations are historical, but with an understanding that academic history, though irreplaceable, barely touches the range of storytelling that makes Black lives not only matter but transform the spaces in which they unfold. Our explorations are political, but in the largest sense—how Black power comes from making higher truth a tool, a weapon and a way of being.

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**CULANTH263S - Black Europe: Race, Ethnicity and Diaspora in Contemporary Europe**

**Subject**  
CULANTH

**Catalog Number**  
263S

**Title**  
Black Europe: Race, Ethnicity and Diaspora in Contemporary Europe

**Description**  
Exploration of the historical and contemporary presence and impact of the African diaspora throughout Europe. Course engages an anthropological examination of ethnographic texts, including examples of biography, film and visual culture.
CULANTH267S - Culture and Mental Health

Description:
This course examines the social and cultural facets of mental illness, psychological diagnoses, and mental health from the standpoints of cultural psychiatry, medical anthropology, and social medicine. Global case studies will form the basis for several key questions: how do mental distress and forms of treatment differ cross-culturally? How might social differences such as gender, sexuality, and race shape therapeutic encounters in mental health? And what roles do psychology, psychiatry, and the brain sciences play in everyday life?

CULANTH269 - Black Gods and Monarchs: Priests and Practices of the Afro-Atlantic Religions

Description:
Surveys the spiritual, political and economic experience of those who worship African gods—West and Central Africans, Cubans, Brazilians, Haitians, and North Americans. The gods as sources of power, organization and healing amid local political dominance of Muslims and Christians and seismic expansion of international capitalism. West African Yoruba religion, West-Central African Kongo religion, Brazilian Candomblé and Umbanda, Cuban Santería and Palo Mayombe, Haitian Vodou, and African American Pentecostalism are examined as belief systems, and contextualized to the trans-Atlantic slave trade, long-distance commerce and pilgrimage by free people.

CULANTH271 - Gender and Culture

Description:
Explanation of differing beliefs about gender cross-culturally, by comparison with dominant themes about gender in our own cultural history and contemporary ideological struggles.

CULANTH273 - Amazon.com and the Cybereconomy

Description:
This course will introduce students to the complexities and controversies around the meteoric growth of the digital economy, with a focus on the biggest company of them all, Amazon. We will examine questions that range from labor conditions and consumerism to data harvesting, algorithmic marketing, and monopoly concerns. By drawing on insights from cultural anthropology, economics, history, and other disciplines, the course will give students a new understanding of how e-commerce is changing the structure of our economy, society, and everyday lives. Students will do an individual research project on some aspect of Amazon for a final project.
CULANTH278 - Sex/Gender - Nature/Nurture: Intersections of Biology and Society

Description
Debates about sexuality, sex, and gender hinge on radically different ideas about relative effects of biological forces vs. social forces, or nature vs. nurture. Course changes terms of arguments about sexuality and gender and nature/nurture. Explores how nature/nurture emerged as scientific and popular debate. Evaluates new developments in science and cultural fields that are now reconsidering how biology and environments interact. Showcases debates about how sex and sexuality are formed through interplay of genetic information, hormones, material bodies, and social environments.

CULANTH280S - Ethics of Ethnography: In the Field and on the Page

Description
Inquiry into the practical and ethical considerations of ethnography as both a research method and a writing genre. Students learn to identify rhetorical strategies of ethnographic texts and interrogate the moral, political, and ethical issues in representing the ‘other.’ Frequent workshops guide students through individual research on the intersection of ‘race’ and some aspect of Durham’s social or historical context. Students develop observation and interviewing skills, conduct fieldwork in Durham, and work through several drafts of their own ethnographies, while learning to give and receive feedback. Prerequisite: Writing 101. Open only to DukeImmerse students. Instructor consent required.

CULANTH283S - Istanbul: Religion, Politics and Cosmopolitanism

Description
Istanbul is the only city in the world located on two continents. Byzantine, Ottoman, and Turkish cultural legacies allow the city to be read as a ‘palimpsest’, a multi-layered urban text of multiple, even contradictory meanings. Istanbul is an ideal site to explore imperial history, Islam and Christianity, migration, East/West relations, and cosmopolitanism. Through interdisciplinary sources in history, culture, theory, and politics, students will examine a variety of urban, architectural and social spaces including churches, mosques, public squares, and ethnic neighborhoods. Taught in English.

CULANTH284 - Ritual, Performance, and Religion

Description
Exposes students to theories of ritual and performance (Turner, Schechner, Grimes, Geertz, Paden) in religious and non-religious contexts; compares contexts as a way of understanding common structures and what differentiates the religious/non-religious. Guest lecturers (from religion, dance, theater, psychology, English, visual and media studies, cultural anthropology) expose students to a range of approaches to specific kinds of ritual and performance. Possibly involves both class and individual trips to local religious events and performances for field work exercises.
**CULANTH285S - Death, Burial, and Justice in the Americas**

**Description**
This interdisciplinary course explores the phenomenon of necroviolence: attacks on the dignity, integrity, and memory of the dead. Cases come from the United States, Latin America, and Canada. Topics include the rights of the dead, cultural attitudes towards the dead, and the ‘ambiguous loss’ experienced by loved ones of the disappeared. We also explore the activism of family members, volunteer cemetery reclamation groups, and forensic scientists who exhume mass graves to identify bodies. Students will interact with guest speakers, spend time in a local African American cemetery with ties to Duke, and do community work and research on behalf of the marginalized dead.

**CULANTH290 - Current Issues in Anthropology**

**Description**
Selected topics in methodology, theory, or area.

**CULANTH290A - Duke-Administered Study Abroad: Special Topics in Cultural Anthropology**

**Description**
Topics differ by section.

**CULANTH290S - Current Issues in Anthropology**

**Description**
Same as Cultural Anthropology 290 except instruction is provided in seminar format.

**CULANTH291 - Independent Study**

**Description**
Individual non-research directed study in a field of special interest on a previously approved topic, under the supervision of a faculty member, resulting in an academic product. With consent of instructor and director of undergraduate studies.

**CULANTH293 - Research Independent Study**

**Description**
Individual research in a field of special interest under the supervision of a faculty member, the central goal of which is a substantive paper or written report containing significant analysis and interpretation of a previously approved topic. With consent of instructor and director of undergraduate studies.
CULANTH295S - Anthropology of Childhood

Subject | Catalog Number | Title | Description
--- | --- | --- | ---
CULANTH | 295S | Anthropology of Childhood | What does it mean to be—and to raise—a child? This course begins with the premise that childhood has existed, and continues to exist, in myriad forms. Using the tools of anthropology we will ask a series of questions: how do definitions of childhood and childrearing vary across history and culture? How do children’s daily lives differ from place to place and how are race, class and gender linked to discourses and experiences of childhood and childrearing? What role does education – formal and informal – play in shaping childhood? Furthermore, how do children stand in as symbols of broader political and cultural concerns?

CULANTH298S - Global Humanitarianism

Subject | Catalog Number | Title | Description
--- | --- | --- | ---
CULANTH | 298S | Global Humanitarianism | This course explores humanitarianism as both a global phenomenon and a western model for engaging with the world. It examines the cultural and political conditions that make it possible for some people to be saviors and others to require saving. It focuses on the ways humanitarian interventions are increasingly as much about alleviating poverty and supporting political change, as about responding to crises caused by health epidemics, conflict or war, and environmental disasters. We will pay close attention to the impacts of humanitarian interventions good and bad, while critically exploring how local agendas and conditions shape and respond to these programs.

CULANTH301 - Theoretical Foundations of Cultural Anthropology

Subject | Catalog Number | Title | Description
--- | --- | --- | ---
CULANTH | 301 | Theoretical Foundations of Cultural Anthropology | Major schools and theories of cultural anthropology. Open to seniors and juniors. Sophomores by permission only.

CULANTH302 - Fieldwork Methods: Cultural Analysis and Interpretation

Subject | Catalog Number | Title | Description
--- | --- | --- | ---
CULANTH | 302 | Fieldwork Methods: Cultural Analysis and Interpretation | Anthropology as a discipline (a field of study) and the site where anthropologists work: the field. Combines theories of anthropological fieldwork methods with practice, including participation, observation, and interviews. Students undertake original research in a local fieldsite of their choice and produce their own mini-ethnography. This requirement may also be satisfied by taking Cultural Anthropology 290A Duke in Ghana Anthropological Field Research.

CULANTH303S - Theory Today

Subject | Catalog Number | Title | Description
--- | --- | --- | ---
CULANTH | 303S | Theory Today | This course is an introduction to fundamental concepts of contemporary critical theory, broadly conceived. Readings will include key texts from the past 50 years in fields including gender and sexuality studies, literary and media studies, critical race studies, Marxism, postcolonial studies, and political theory. The course will involve close reading of difficult texts with the goal of obtaining facility with the concepts and modes of argumentations of contemporary theory.

CULANTH305S - White People: In Anthropological Perspective

Subject | Catalog Number | Title | Description
--- | --- | --- | ---
CULANTH | 305S | White People: In Anthropological Perspective | Against the cross-cultural backdrop of other systems of hereditary privilege and of the political and economic changes that threaten them, we will examine the history, the ideologies, and the psychology of white supremacy in the United States. It will be our task to understand both the insiders’ point of view and its social context, which includes the mid-20th-century civil rights reforms, affirmative action, neoliberalism, and the progressive erosion of white monopolies on honor, voting rights, due process, a living wage, and upward mobility in US society.
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<th>Subject</th>
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<th>Title</th>
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<tr>
<td>CULANTH</td>
<td>306</td>
<td>Health, Culture, and the Latino Community</td>
<td>Exploration of health issues in the Spanish-speaking world shaped by social, cultural, political, ethnic, and economic determinants. Topics: cultural competency, community beliefs, medical practices and policies, preventive medicine, mental health. Projects include presentations, writing, research, and conversations with local and global contacts. Evaluation on knowledge of content, oral and written proficiency in Spanish. One 300-level Spanish course recommended prior to enrolling. Prerequisite: Spanish 204 or equivalent.</td>
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<td>CULANTH</td>
<td>307</td>
<td>Development and Africa</td>
<td>Addresses the vexed issue of economic development in Africa - its many failures, its occasional successes - from the early colonial period to the present. Focuses especially on the transition from the 1960s 'modernizing' moment to the millennium projects and humanitarian aid of the present. Will read the works of development experts, World Bank executives, anthropologists and historians, asking why this massively financed project has experienced such failure and exploring what can be done.</td>
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<td>CULANTH</td>
<td>308S</td>
<td>Imagining Human Rights: Science Fiction, Culture, and the Creation of Rights</td>
<td>This course engages students in the intersection of speculative fiction and the history of ideas about human rights and what it means to be human. Using interdisciplinary tools, including history, anthropology, and public policy, students will explore created worlds and new ways of thinking about what rights humans—and other beings—have, how those rights are proposed, and what happens when those rights are contested. The course focuses on how the imaginary influences or presages the real, allowing us to experiment with what-ifs. Students will work in Duke’s Locus Archives of primary documents on 20th-century science fiction spanning writers from China, the USSR, and Japan.</td>
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<td>CULANTH</td>
<td>309S</td>
<td>Manger: Foodways and Food Systems</td>
<td>This course seeks to deepen our understanding of foodways and food systems, and of the roles that nourishment and nourishers play in our lives, while regenerating connections with food practices and food creators through the study of global French narratives, scholarships on foodways and foods, and hands-on, in-person experiences with nourishers in our local community. A strong emphasis on experiential learning, including community engagement in systems of food access and production as well as work with chefs and farmers, and the study of French-language narrative, culinary, scholarly, journalistic writing, and other cultural documents.</td>
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### CULANTH309SA - Manger: Food and Food Systems in the French-Speaking World

**Subject**  
CULANTH

**Catalog Number**  
309SA

**Title**  
Manger: Food and Food Systems in the French-Speaking World

**Description**  
An exploration of our relationship with food and its cultural and societal roles in French-speaking countries, from French gastronomy to the historical and economic influences that have determined our current systems of food production, what effects those systems have on immigration, equity, and climate, and the movements that seek to bring about changes in the ways people produce and consume food. A strong emphasis on experiential learning, including community engagement in systems of food access and production, as well as work with chefs and the study of French-language narrative, culinary, scholarly, and journalistic writing and other cultural documents. Recommended prerequisite: French 204 or equivalent.

### CULANTH310S - Conflict Analysis in Africa (Case Studies)

**Subject**  
CULANTH

**Catalog Number**  
310S

**Title**  
Conflict Analysis in Africa (Case Studies)

**Description**  
Utilizes four case studies to outline components of conflict analysis in Africa. Examines regional crisis nexus between Darfur, Chad and Central African Republic. Looks at issues of postcoloniality, autochthony, migration, citizenship, land tenure, and inequality. On a theoretical level, identifies potentially crosscutting, deeper layers of contemporary crises in Africa with the objective of establishing a series of templates, a ‘protocol’, for comparative conflict analysis and conflict management in Africa.

### CULANTH311S - Dancing States of Mind: The Self, Social and Political Practice of Dance

**Subject**  
CULANTH

**Catalog Number**  
311S

**Title**  
Dancing States of Mind: The Self, Social and Political Practice of Dance

**Description**  
Practice-based studio work, discussion, and readings in current political discourse, System Theory, contemporary philosophy and cultural theory. Reveals the culturally constructed nature of dance in Western society - its manner of production, dissemination and aesthetics - and examines the consequences of 'the cultured flesh' as a mode of propaganda. The cultivation of students' radically subjective creativity, artistic experimentation, awareness, perception and expression, in order to understand and challenge the status quo; and to integrate abstract concepts into one's own physical existence and redefine assumptions by moving right through them.

### CULANTH312 - War and Public Health in Africa

**Subject**  
CULANTH

**Catalog Number**  
312

**Title**  
War and Public Health in Africa

**Description**  
An inquiry into the nature of contemporary war in sub-Saharan Africa and its human cost. Uses public health as a parameter to assess the impact of organized collective violence on people's lives. Link between war and public health established and measured with respect to civilian deaths, gender based violence, physical and psychological trauma, mental disorders, malnutrition and famine, and the spread of epidemic diseases, inter alia HIV/AIDS. Special attention is paid to rape as 'a weapon of war', to the trafficking of human beings in war zones, the child soldier phenomenon, and to death counts as a vector of humanitarian or political advocacy.
### CULANTH314 - Introduction to Critical Theory

**Subject**: CULANTH  
**Catalog Number**: 314  
**Title**: Introduction to Critical Theory

**Description**  
This course is an introduction to fundamental texts and concepts in the history of critical theory. We will be expanding the scope of our examination well beyond the remit of the Frankfurt School, to which the term 'critical theory' is often linked and look at key texts in the history of political philosophy, social theory, linguistics and language philosophy, gender studies, critical race theory, and postcolonialism. All our readings will be primary literature from what might be dubbed a 'critical theory cannon' and is intended to introduce students in the humanities and qualitative social sciences to essential and foundational materials.

### CULANTH322 - The Modern Caribbean after Emancipation

**Subject**: CULANTH  
**Catalog Number**: 322  
**Title**: The Modern Caribbean after Emancipation

**Description**  
Focus on the Caribbean region as it transitioned from a collection of slave and colonial societies into a region of postcolonial and independent nations. Topics may include: postemancipation political and cultural struggles, pan-Africanism and Rastafarianism, nationalist and anticolonial movements, American economic and political influence in the region, Caribbean emigration to Europe and the United States, and global spread of Caribbean culture.

### CULANTH323 - Fundamentals of Global Mental Health

**Subject**: CULANTH  
**Catalog Number**: 323  
**Title**: Fundamentals of Global Mental Health

**Description**  
Examines global mental health from perspectives of culture, public health, epidemiology, human rights, policy, and intervention. Readings focus on peer-reviewed research literature highlighting topics such as the prevalence of mental health disorders worldwide, the role of culture in mental health, and the interventions backed by strong evidence for prevention and treatment. Students will discuss and critique study methodologies and explore the needs for future research in this emerging field. Designed for students with prior research methods and psychology coursework.

### CULANTH327S - Migrations

**Subject**: CULANTH  
**Catalog Number**: 327S  
**Title**: Migrations

**Description**  
Climate refugees, exiles of war, economic migrants, expatriates seeking new opportunities, along with others compelled to flee their current circumstances and look for a new life, are moving across borders. Combine these movers with the billions of religious pilgrims, adventure travelers, and tourists, and we find a movement of humanity en masse in greater numbers than ever in the history of humanity. Combining literature on pilgrimage with travel memoirs and essays on travel, films on the act of walking, and multimedia explorations of refugee journeys, immigrant life, and border crossings, this course seeks to make sense of our unprecedented era of migration.
CULANTH329S - Undocumented America in Literature

Subject: CULANTH  
Catalog Number: 329S  
Title: Undocumented America in Literature

Description
This seminar explores the representation of lived experiences, trajectories, and current events vis-à-vis the figure of the undocumented migrant, in contemporary American literature. Testimonial accounts, journalism chronicles, memoirs, poetry, cinematic works, and critical scholarship inform and propel our study of the experience of ('illegal') migrant movement—departure, journey, and arrival—as portrayed in Latino and Latina literature. We will question status designations such as 'illegal,' 'undocumented,' and 'unauthorized'; 'legitimacy' and recognition; the inadmissible and the construction of 'suspect' bodies; social participation in US society.

CULANTH330S - Narratives of Migration

Subject: CULANTH  
Catalog Number: 330S  
Title: Narratives of Migration

Description
Stories of migration captivate us because they touch on universally important themes: home, family, belonging, identity, pain, loss. In this course, we will explore narratives, or stories, of migration, as told by refugees and immigrants from across the world, through different media: written, spoken, photographed, and constructed digitally on social media. This course approaches narratives of migration primarily from the perspective of sociocultural linguistics and discourse analysis, but we will refer to other scholarly traditions as well. This is a Service-Learning course: students will engage in a mentoring relationship with an immigrant student in a Durham high school.

CULANTH335 - The History of Hip-Hop

Subject: CULANTH  
Catalog Number: 335  
Title: The History of Hip-Hop

Description
What began as a localized activity designed to provide a safe haven for Black and Latino youth in New York City, has become a global brand that has had a documented impact on the cultural, political and economic realities of youth throughout the globe. This course will examine the organic social and cultural foundations of hip-hop, as well as the key aesthetic innovators/innovations, and the debates that have arisen over hip-hop's increased influence.

CULANTH336 - Hollywood and Africa: Case Studies in Filmic Representation

Subject: CULANTH  
Catalog Number: 336  
Title: Hollywood and Africa: Case Studies in Filmic Representation

Description
This course on Hollywood films about Africa—from classics such as 'African Queen' (East Africa), 'Tarzan' (Equatorial Africa) and 'Out of Africa' (Kenya) to recent productions such as 'Blood Diamond' (Sierra Leone), 'The Last King of Scotland' (Uganda), 'Lord of War' (arms trade), 'The Constant Gardner' (Kenya) and 'Black Hawk Down' (Somalia)—will tack back and forth between filmic representation and case study, using the latter to critique the former. As contrastive material, the class will also draw on non-Hollywood films about Africa, for example 'Hotel Rwanda' (Rwanda) or 'Lumumba' (DRC).
**CULANTH341 - Life and Death: Global Perspectives**

**Subject:** CULANTH  
**Catalog Number:** 341  
**Title:** Life and Death: Global Perspectives

**Description:**
Anthropological investigation of customs, practices, and beliefs that get activated when people (and other living beings) die. What constitutes life as in when does it start, what determines well-being, how is it measured; and what constitutes death as in a good versus bad death, by what medical definition, and according to what rituals and beliefs. Comparative inquiry into such questions as why brain-death is not accepted in some cultures and why people in some places prefer to die rather than live after an amputation. Topics will include organ transplants, gang warfare, cancer, and warzones from China and Botswana to Mexico and the United States.

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**CULANTH342 - Displacements: Migration and Human Trafficking**

**Subject:** CULANTH  
**Catalog Number:** 342  
**Title:** Displacements: Migration and Human Trafficking

**Description:**
Examination of the meaning of migration in the global world through cross-disciplinary texts and visual media. Situates the phenomenon of human trafficking within the context of these general movements focusing on the risks involved when people endanger their lives to find a better and more strategic position in the world. Explores how these experiences should be interpreted, and how processes and the politics of race, space and place are a condition and/or outcome of these movements. Investigates and considers ways to resolve some of the problems associated with such movements.

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**CULANTH345S - Energy Futures and Environmental Justice**

**Subject:** CULANTH  
**Catalog Number:** 345S  
**Title:** Energy Futures and Environmental Justice

**Description:**
Advanced undergraduate seminar on comparative energy crises and natural resource management. Uses case studies of fossil fuel, nuclear, and renewable energy resources drawn from anthropology, natural sciences, and even business economic readings. Appropriate for students interested in interested in global politics, economic development, human rights, or environmental issues.

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**CULANTH346S - The Connection between Human Rights, Memory and How Societies Create Memorials**

**Subject:** CULANTH  
**Catalog Number:** 346S  
**Title:** The Connection between Human Rights, Memory and How Societies Create Memorials

**Description:**
This seminar introduces students to multiple approaches to how to create memory, with a focus on building a proposal for Duke to expand the sites where stories are told. We are particularly interested in how to tell difficult stories of slavery, segregation and inequality through new sites and interpretive plans. Students will create a Duke memory map and develop a Story Bank. The class is in part funded by Bass Connections and is affiliated with the Story Lab.
CULANTH347S - The University as a Culture: A Survivor's Guide

**Subject**
CULANTH

**Catalog Number**
347S

**Title**
The University as a Culture: A Survivor's Guide

**Description**
The university generates some of the most influential forms of knowledge in the world, yet we seldom examine the historically specific cultural, social, political, and economic conditions under which knowledge is produced in the laboratories, classrooms, offices, dormitories, Greek-letter societies, and sports complexes that are the infrastructure of the academy. This course will employ readings from a range of disciplines, as well as the investigative and interpretive methods of cultural anthropology, to examine the taken-for-granted context of university life.

CULANTH347T - Memory Bandits: Human Rights, Duke's History and a Plan to Expand History-Telling

**Subject**
CULANTH

**Catalog Number**
347T

**Title**
Memory Bandits: Human Rights, Duke's History and a Plan to Expand History-Telling

**Description**
This is affiliated with a Bass Connections project that takes on the societal and cultural challenge of historical memory, human rights and memorialization. We intend to mine memory studies to ask how, why and where people use the past for contemporary meaning; how the Duke campus currently embodies and tells its story; and how this team can help chart a deeper engagement with history. Consent of instructor is required.

CULANTH350 - Anthropology of Money

**Subject**
CULANTH

**Catalog Number**
350

**Title**
Anthropology of Money

**Description**
We will explore the history and theory of money – what it represents, how it circulates, the meanings it carries, its contemporary transformations – not only in the West but also in the global south. Some of the topics to be considered include shell currencies, gift economies, Ponzi schemes, paperless money, derivatives and futures, hedge funds, and global debt.

CULANTH351 - Art of the Meal: Alcohol and Feasting in the Ancient World

**Subject**
CULANTH

**Catalog Number**
351

**Title**
Art of the Meal: Alcohol and Feasting in the Ancient World

**Description**
Commensality—the act of eating and drinking together—is a fundamental part of human social life, no matter the time or place. This course examines the wide variety of evidence from the ancient world for feasting activities, and especially the production and consumption of alcoholic beverages, in text, visual and material culture. Readings in anthropological theory and archaeological and ethnographic case studies are used to explore human relationships to food and alcohol in different social contexts, and their use in the construction of cultural similarity and difference, group identities, and social hierarchies. With special emphasis on the ancient Mediterranean and Middle East.
CULANTH352A - From Enlightenment Culture to Popular Culture

Subject: CULANTH  
Catalog Number: 352A  
Title: From Enlightenment Culture to Popular Culture

Description: Course constructs a sociological history of French (and partially European) culture by routinely using the city of Paris as an example. Analyzes conflicts inherited by contemporary culture in highlighting major moments that have defined it since pre-revolutionary era. Focuses on theoretical issues raised by each period, and the manner in which sociologists and critical theorists addressed them--from opposition of nature and culture just as it plays out for the pre-romantics, to the criticism of mass culture by post-modern theorists. Sessions will be chronological, and will introduce and cover principle problems of social sciences. Taught in French through the Duke in France Program.

CULANTH360 - Global Apple: Life and Death and the Digital Revolution

Subject: CULANTH  
Catalog Number: 360  
Title: Global Apple: Life and Death and the Digital Revolution

Description: Examination of the Apple Corporation's development from a Silicon Valley garage operation to a company with unprecedented global reach; the Cult of Steve Jobs, the Apple Launch and use the design and development of the Apple Store; labor and environmental struggles over Apple supply chain and production processes, from cobalt mining in Africa to Foxconn factories in China; migrant worker suicide and poetry as forms of protest in China; e-waste villages and digital rubbish; everyday uses of Apple technology and the ethics of consuming Apple products.

CULANTH360S - Global Apple: Life and Death and the Digital Revolution

Subject: CULANTH  
Catalog Number: 360S  
Title: Global Apple: Life and Death and the Digital Revolution

Description: Examination of the Apple Corporation's development from a Silicon Valley garage operation to a company with unprecedented global reach; the Cult of Steve Jobs, the Apple Launch and use the design and development of the Apple Store; labor and environmental struggles over Apple supply chain and production processes, from cobalt mining in Africa to Foxconn factories in China; migrant worker suicide and poetry as forms of protest in China; e-waste villages and digital rubbish; everyday uses of Apple technology and the ethics of consuming Apple products.

CULANTH361S - African Cities, Development, and Climate Change

Subject: CULANTH  
Catalog Number: 361S  
Title: African Cities, Development, and Climate Change

Description: The displacement of sizeable urban populations as a consequence of climate change renders African cities sites of two contending conditions: the one is a prevailing sense of crisis; the other, in the form of a response, is to attend to the prevailing conditions of crisis. African cities are poised to mobilize not only extant forms of cultural ingenuity, but technological ingenuity too. Students will explore African city life from megalopolises like Cairo to threatened UNESCO world heritage sites like Saint-Louis, Senegal. The course reimagines terms such as 'development,' 'employment,' 'infrastructure,' 'sustainability,' and 'citizenship.'
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<th>Subject</th>
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<tbody>
<tr>
<td>CULANTH</td>
<td>365S</td>
<td>The World of Japanese Pop Culture</td>
<td>An examination of modern Japanese culture through a variety of media including literary texts, cultural representations, and films. Different material each year.</td>
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<tr>
<td>CULANTH</td>
<td>366S</td>
<td>Trauma and Space in Asia</td>
<td>Space and Trauma across Asia. Introduces theoretical framework of 'trauma discourse;' examines how the experience of space in Asia broadly defined has shaped historical traumas, which have marked the transition from colonialism to postcolonialism. Focus on Israel/Palestine, India/Pakistan, China/Taiwan, Japan/Korea; examine how critical terms originating in one historico-geographical context are translated across geographical boundaries.</td>
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<tr>
<td>CULANTH</td>
<td>367S</td>
<td>Mayas, Aztecs, and Incas: The World According to the Indigenous People of Latin America</td>
<td>The basic philosophical architecture of the three great civilizations of America; Maya, Aztec and Inca civilizations. Links the current indigenous revival in the Andes (Bolivia and Ecuador) and in the South of Mexico and Guatemala with the survival of their historical legacies.</td>
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<tr>
<td>CULANTH</td>
<td>368</td>
<td>Visualizing the Caribbean</td>
<td>Art (paintings, installations, performance art) and film on the Caribbean offer vantage points for analyzing alternative ways through which the region has been thought, imagined and produced. They are periodized semiotic productions that feed into and are marked by perspectives that are at once global, national, and even personal. Considering the constitutive contexts of these productions and performances, we will attempt to glean the diverse perspectives, and the way these have influenced sociocultural policy and offer alternative interpretations of diasporic lifeways of Caribbean people.</td>
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</tbody>
</table>
CULANTH369S - Soundscapes of Migration: Music and Migration in Paris from the Interwar Years to the Present

Subject: CULANTH  
Catalog Number: 369S  
Title: Soundscapes of Migration: Music and Migration in Paris from the Interwar Years to the Present

Description
This class studies migration through the prism of music, focusing on Paris as a node of networks of musical migration. It analyzes how the metropolis has been a site of musical encounters, as well as a recipient, catalyst, and disseminator of migrating musical practices. It studies music as a transnational and diasporic cultural process. Although our musical journey will be structured chronologically, its frontiers will encompass the soundscapes of the capital's peripheries. The range of music considered will be varied: from the Eastern European classical repertoire and African American Jazz to contemporary Rap, through Algerian Rai and Arab-Andalusian popular music. Taught in French.

CULANTH382SA - Transnational Muslims in Germany: Politics of Migration, Religion, and Culture

Subject: CULANTH  
Catalog Number: 382SA  
Title: Transnational Muslims in Germany: Politics of Migration, Religion, and Culture

Description
Critically analyzes political debates about Muslims and Islam in Europe that often cast them as a 'security threat' or a 'problem' of failed integration. Traces the geographical production of Muslim subjects through transnational flows, networks and imaginaries. Examines a series of topics including debates about the headscarf, Muslim women's dress, mosque construction, Muslim civil society organizations, and the refugee crisis in Germany. Taught in English as part of the Duke Middle East in Europe program.

CULANTH385S - Race, Gender and Culture of the African Diaspora

Subject: CULANTH  
Catalog Number: 385S  
Title: Race, Gender and Culture of the African Diaspora

Description
Course reveals the diversity of black life in the Americas, Europe, and the Middle East through film and classical and contemporary ethnographies by the likes of W. E. B. DuBois, Zora Neale Hurston, Fernando Ortiz, and others. Examines diverse analytical tropes that illuminate how cultures and communities reproduce themselves amid exploitation and stigma.

CULANTH389S - Food, Culture, and Society

Subject: CULANTH  
Catalog Number: 389S  
Title: Food, Culture, and Society

Description
This DukeImmerse course provides a broad overview of food as culture and its role in society. Exploration of the intersections between food and identity from gender, ethnic, class, religious, and political identities to how people use food to develop a sense of themselves as ethical beings. Food and democracy and food activism. Readings from anthropological, sociological, linguistic, and literary writings with ethnographic observations in local communities of practice. Instructor consent required.

CULANTH390SA - Duke-Administered Study Abroad: Special Topics in Cultural Anthropology

Subject: CULANTH  
Catalog Number: 390SA  
Title: Duke-Administered Study Abroad: Special Topics in Cultural Anthropology

Description
Topics differ by section.

CULANTH393A-1 - Research Independent Study on Contemporary China

Subject: CULANTH  
Catalog Number: 393A-1  
Title: Research Independent Study on Contemporary China

Description
Research and field studies culminating in a paper approved and supervised by the resident director of the Duke in China Program. Includes field trips on cultural and societal changes in contemporary China. Offered only in the Duke in China Program.
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<th>Subject</th>
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<th>Title</th>
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<tbody>
<tr>
<td>CULANTH</td>
<td>397S</td>
<td>Language in Immigrant America</td>
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</tbody>
</table>

**Description**
Discussion of issues of language in the context of immigration in the United States, from the turn of the 20th century until the present, combining approaches from literature, memoirs, language policy, media studies, and linguistic anthropology. Some fieldwork in an immigrant community. Topics include: identity, assimilation, race, bilingual communities, bilingual education, foreign accents, language contact.

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<tr>
<td>CULANTH</td>
<td>399A</td>
<td>Global Russia</td>
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</table>

**Description**
Globalization of Russian culture as manifested in popular/academic cultural forms, including political ideologies, media/artistic texts, film, theater/television, markets, educational/legal institutions, historical/contemporary social movements. Examination of ethical issues in context of such topics as the relationship between church and state; evolution of a totalitarian government into a democratic state; reproductive rights; struggle against corruption in education, finance, police; role of censorship; views of citizenship, patriotism, valor, and treason; historical perspectives on prison camps, abuses of psychiatry. Offered in the Duke in Russia Program. Instructor consent required.

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<tr>
<td>CULANTH</td>
<td>401S</td>
<td>Indigenous Americas</td>
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</table>

**Description**
Explores histories, experiences, struggles, art, and philosophies of indigenous peoples in the Americas, meaning both Latin and North America. Acknowledging 500 years of genocidal practices, will focus on concepts of 'the good life' and the complex relations of the spiritual and the material. Roles of gender and sexuality within indigenous worlds and in the often violent relations with settler societies will be a special focus. Explore relations between past, present, and the future under burden of Anthropocene.
### CULANTH402 - The Problem of Evil: God, Evil, Suffering, Sin, Meaning of Life, and Philosophy of Religion

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<tbody>
<tr>
<td>CULANTH</td>
<td>402</td>
<td>The Problem of Evil: God, Evil, Suffering, Sin, Meaning of Life, and Philosophy of Religion</td>
</tr>
</tbody>
</table>

**Description**

The problem of evil as the challenge of reconciling the existence of an absolutely perfect being (Omnipotent, Omniscient, and omnibenevolent God) with the existence of sin and suffering has one of the greatest problems of intellectual history from ancient to modern times. The problem of evil effects the ‘meaning of life’ deeply, so it is not exclusive to the monotheists, and involves atheists as well. This is an introduction to the problem of evil, and explores its major issues and concepts: the logical problem of evil, the evidential problem of evil, soul-making theodicy, natural law theodicy, process theodicy, anti-theodicy, free will defense, reformed epistemology, and skeptical theism.

### CULANTH404S - Ethics of Hope

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<tr>
<td>CULANTH</td>
<td>404S</td>
<td>Ethics of Hope</td>
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</tbody>
</table>

**Description**

Hope involves the expectation or desire for good things to happen. Yet, does this set up people for despair when hopes get dashed or have no possibility of realization? Or, is the conjuring of something better—somewhere, sometime—what enables life to be sustained in the face of difficulties or just the daily grind of making do? In this class we raise the issue of the ethics, politics, and tactics of hope, drawing on philosophy, feminism, and anthropology.

### CULANTH405S - Media and Conflict

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<tr>
<td>CULANTH</td>
<td>405S</td>
<td>Media and Conflict</td>
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</table>

**Description**

Focus on the role of media in the context of colonialism, war and conflict across various historical periods. Attentive to the ways that media technologies have been employed both as tools of power and vehicles of protest and resistance. Theoretical readings are paired with a set of international case studies -- e.g. colonial atrocity archives, #BlackLivesMatter, Syrian civil war, the Abu Ghrabt torture scandal, the Israeli military occupation, drone strikes -- that enable us to test the applicability of theoretical discussions to contemporary case studies. Readings in Butler, Kaplan, Sontag, Stein and Kuntsman, Virilio and others.

### CULANTH406S - South African Life Histories

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<tr>
<td>CULANTH</td>
<td>406S</td>
<td>South African Life Histories</td>
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**Description**

South Africa presented the world with one of the great moral challenges of the 20th century. We will explore its history through the lens of biography and autobiography. The country underwent major transformations -- rapid industrialization, segregation, the rise and fall of apartheid, and the emergence of democracy. How did individuals experience these social changes? In what ways do individual lives illuminate these larger social processes? Protagonists include a prophetess, political artists and writers, exiles, and celebrated figures. Topics cover how segregation and apartheid affected people’s daily lives, opposition to white supremacy, and the personal impact of the AIDS’s epidemic.
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<tr>
<td>CULANTH</td>
<td>410S</td>
<td>Mobility</td>
<td>Examine how individual humans move within a network or system through theories (e.g. Locke on portable property), vehicles (boats), travelers (pirates, pilgrims, migrants), media (books, money, gravestones, genealogies) to recognize the phenomenon of mobility and its consequences. This course enables you to cultivate an eye for seeing mobile phenomena, and to analyze how they are at the heart of the big issues: capitalism, colonialism, imperialism, race, religion, diaspora, migration and security.</td>
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<tr>
<td>CULANTH</td>
<td>412S</td>
<td>Afro-Latin America</td>
<td>This course focuses on the position of Blacks in the national histories and societies of Latin America from slavery to the present day. Emphasis is on an interdisciplinary engagement with issues and critical discussion of national images contrasted with the realities of blackness. We will explore the connections between race, gender, sexuality, and representation in national and transnational encounters and the consequences of the migration of people and ideas within the hemisphere. Countries to be explored include Cuba, Brazil, the Dominican Republic, Puerto Rico, Argentina, Mexico, Haiti, and Peru.</td>
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<td>CULANTH</td>
<td>416A</td>
<td>Cultural Lab: Walk, Think, Experiment Now</td>
<td>This Duke in Madrid course parts from the present, from what is happening culture-wise today, to offer a wider perspective on cultural systems and creative processes in our recent history. Most class sessions will take place outside the classroom and will have a participative character. One of the central concepts of this course is transversality, which allows the student to organize more dynamic and active comprehension networks than what is usually offered by courses in this field of study. Nevertheless, students will always have a base point to focus their direction of study related to the modules within the course: art, literature, architecture, politics, creation, theatre, technology.</td>
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<tr>
<td>CULANTH</td>
<td>417S</td>
<td>The Middle East: From Facebook to Film</td>
<td>Studying the Middle East through the lens of popular culture, with a focus on the cultural changes of the digital era. Focus on social media, film, graphic novels, amateur cameras. Studies how popular cultural forms relate to concurrent political and historical processes. Themes include: digital media and society, state violence and terrorism, human rights, sexuality and youth culture.</td>
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<tr>
<td>CULANTH</td>
<td>418S</td>
<td>Meaning, Mattering, and Black Being-in-the-World: Towards a Critical Theory of Race and Value</td>
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<td>Description: This course interrogates the ways scholars in the social sciences and humanities have conceptualized and theorized value, and the curious absence of race/racism from this discourse. Drawing from scholarship in the fields of history, anthropology, African diaspora studies, and (ethno)musicology, students will develop a better understanding of the interrelationship between race and value and the distinct ways that race has been one of the most pervasive 'value regimes' in the making of the modern world. Topics include the transatlantic slave trade and plantation societies in the Americas; intersections of race with science and technology; and black radical politics and expressive culture.</td>
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<tr>
<td>CULANTH</td>
<td>419S</td>
<td>Global Environmentalism and the Politics of Nature</td>
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<td>Description: Exploration of several themes: how local, national, and transnational organizations manage the environment, discuss it, study it, protect and defend it; who speaks for nature and to what ends; the differences between capitalist and socialist approaches to the environment; how relations among natures, nations, social movements, individuals, and institutions have changed over time. Case studies from Africa, East and Southeast Asia, India, Latin America, and the United States; study of new theoretical writing on the relationship between humans, technology, capital, and nature.</td>
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<tr>
<td>CULANTH</td>
<td>423</td>
<td>Sex and Money</td>
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<td>Description: Sexual practices that involve transactions of money in different cultural and historical settings, including 'regular' marriage practices that involve exchanges of money and goods as well as extramarital practices where one party is selling bodily acts. Examination of the ethics and politics of these exchanges questioning who benefits from them (and who not) and how to also assess other bodily transactions including prostitution and surrogacy. Reading materials on sexual practices in different cultural contexts (including Tonga, Thailand, Brazil, India, Ghana, China, Japan, Russia, Turkey, Indonesia). Comparisons made in terms of culture, religion, ethical systems, politics, and economy.</td>
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<td>CULANTH</td>
<td>424-1</td>
<td>Medical Anthropology</td>
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<td>Description: Cross-cultural study of health and illness. Prerequisites: Completion of both Writing 101 and any First Year Seminar.</td>
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CULANTH425 - Globalization and Anti-Globalization

Subject: CULANTH  
Catalog Number: 425  
Title: Globalization and Anti-Globalization

Description:
The politics and process of globalization in light of the responses, ideologies, and practices of the anti-globalization movement. Focus on the interrelationship between the analysis of globalization and policy formulation on such topics as social justice, labor, migration, poverty, natural resource management, and citizenship. Case studies from the United States, Latin America, South and East Asia, Africa, and Europe.

CULANTH426S - France-Asia: Cultural Transfers and Translations in a Globalized Context

Subject: CULANTH  
Catalog Number: 426S  
Title: France-Asia: Cultural Transfers and Translations in a Globalized Context

Description:
This class explores the dynamic contemporary Franco-Asian dialogue with a specific focus on China, Japan, Vietnam, Laos, and Cambodia. Seeking to go beyond the East-West divide, the seminar investigates the current stakes of this dialogue, given its growing complexity after 1945. It examines the postcolonial legacy of France's occupation of Indochina, and how East Asia has also often been viewed as an 'Other,' serving to crystallize French anxieties over political and cultural power. It uses an interdisciplinary perspective encompassing novels, cinema, dance, visual arts, and critical theory to trace a web of exchanges in a globalized context. Taught in French.

CULANTH431 - Anthropologie Economique

Subject: CULANTH  
Catalog Number: 431  
Title: Anthropologie Economique

Description:
Taught in French, this course is based on the achievements of anthropology to identify the foundations of economic practice as well as the theoretical problems it poses. Whether it is the market, credit or investment, economic institutions and practices are historical inventions. A better understanding of these requires analyzing the process by which the universe, which we call 'economy,' was constituted. It is about reintegrating economic behavior into human behavior. An economy that positively affects living things and meets the needs of human communities must rethink the foundations of the theory of value and exchange.

CULANTH432S - Gender, Sex and Citizenship

Subject: CULANTH  
Catalog Number: 432S  
Title: Gender, Sex and Citizenship

Description:
Explore current issues and debates relating to the relationship between gender, sexuality and global flows of people, labor, capital and ideas. Consider feminist analyses of the citizen-subject and foundational questions central to this area of study relationship between cultural representation, queer subjectivities, and sexual citizenship. Examine scholarship on gendered vulnerability and the welfare state; the politics of 'terror,' security, and stereotyped masculinities; domestic labor and contemporary slavery; and the controversial debates about the connections between sex tourism, human trafficking and commercial sex work. Prerequisite: Previous gender studies course or consent of the instructor.
CULANTH434S - Cultures of New Media

Subject: CULANTH
Catalog Number: 434S
Title: Cultures of New Media

**Description**
An anthropological look at ‘new media’—their varied forms and histories, how they are used and understood, and their meanings and effects within different communities of users. Charts a number of technologies deemed ‘new’ in their day and the social meanings and communities that such technologies generated. Explores new media in domains of art and literature, as well as issues of race, gender, sexuality and how other indices of difference come to bear on new media and its use. Grounded in anthropology, readings will also draw on media studies, visual studies, cultural studies and critical theory, queer and gender theory, history and geography.

CULANTH438S - Techno-Orientalism: Asian/America, (Post)Human and Science Fiction

Subject: CULANTH
Catalog Number: 438S
Title: Techno-Orientalism: Asian/America, (Post)Human and Science Fiction

**Description**
Course examines global Science Fiction genres in literature, film, and social media as case studies to understand broad historical and social formations of Otherness, the Alien, Citizenship, (Im)migration. Studies racial assumptions in popular culture, domestic and international law, discourse of the human and human rights, science and technology industries, and other disciplines. Explores interdisciplinary intersections of race, gender, sexuality, class, and geopolitical divisions and interactions in Asian/American Studies and Postcolonial Studies from the past to the present.

CULANTH439 - Queer China

Subject: CULANTH
Catalog Number: 439
Title: Queer China

**Description**
Examines queer discourses, cultures, and social formations in China, Greater China, and the global Chinese diaspora from the late imperial period to the present. Course will focus on cultural representations, particularly literary and cinematic, but will also consider a wide array of historical, anthropological, sociological, and theoretical materials.

CULANTH440S - Games and Culture: Gateway to the Study of Games

Subject: CULANTH
Catalog Number: 440S
Title: Games and Culture: Gateway to the Study of Games

**Description**
Examines analog and computer games from a cultural perspective. Examines how prevailing culture and values affect game design, popularity, and experience. How games affect those areas of culture, such as imagining disaster, utopia and dystopia. Explores role-playing and identity, ethics, group behavior, competition, politics, gender, race, and aesthetics.
CULANTH450S - The Global Caribbean

Subject: CULANTH
Catalog Number: 450S
Title: The Global Caribbean

Description:
The course introduces students to the Caribbean as a transnational space that reflects the global dynamics associated with flows of bodies via migration, labor, and goods all of which have undergirded the birth and evolution of the (primarily) Atlantic world economy. The Global Caribbean will have a historical sociological bent that frames the region as the first modern colonial space which has served as a template for other projects of colonial and postcolonial development elsewhere in the world. Emphasis will be on the way that freedoms and unfreedoms operate in the Caribbean and elsewhere. Discussions of how knowledge has conditioned the representation of the region will be entertained.

CULANTH469S - Capstone Seminar: Islamic Law In History

Subject: CULANTH
Catalog Number: 469S
Title: Capstone Seminar: Islamic Law In History

Description:
This seminar focuses on Islamic law and Muslim jurists in social and economic history, with a special attention on the last two hundred years. In a historical anthropology of law, we read primary sources in English translation and secondary literature about the norms and practices of law in Muslim and non-Muslim polities. We look at law as a domain of social interaction, an instrument of government, and part of statecraft in Muslim polities. The main goals of the class are 1) to help students in understanding Islamic legal terms and the difference between norm and practice 2) to help students using the distinction between primary and secondary sources in an original research paper.

CULANTH470S - Capstone: Research in Human Rights

Subject: CULANTH
Catalog Number: 470S
Title: Capstone: Research in Human Rights

Description:
A primary learning objective is to have students connect the intellectual themes and scholarly knowledge they have developed in the Gateway, Introduction to Human Rights, and the electives they have taken toward the Human Rights Certificate. The course integrates co-curricular rights-related experiences (through DukeEngage, DukeImmerse, internships and volunteer placements). The capstone culminates in a final project. Students may work in teams toward a final project so long as each student’s work is evaluated separately and at a high standard. Prerequisite: Cultural Anthropology 104D. Consent of director of undergraduate studies required.

CULANTH473 - Two Koreas: History, Society and Culture

Subject: CULANTH
Catalog Number: 473
Title: Two Koreas: History, Society and Culture

Description:
Introduces the divided histories of North and South Korea and their contemporary legacies in regional and global contexts. Explores topics such as colonization, modernization, division, war, migration, gender and sexuality, human rights, popular and political cultures, and globalization in comparative perspectives. Examines historical narratives, journalism, museums, literature, and visual cultures.
**CULANTH481 - Living, Dying, Healing in Russia**

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<tr>
<td>CULANTH</td>
<td>481</td>
<td>Living, Dying, Healing in Russia</td>
</tr>
</tbody>
</table>

**Description**

Explores ways historical, cultural, political forces shape major moments of the life course and the stories told to make sense of them. Team taught by a professor of literature and a professor of anthropology, focus is on family life, sexuality, childbearing and its prevention; biomedical health care and alternative healing; survival in gulag (concentration camp) conditions; care for the dead and dying and their families. By examining compelling works from a range of genres—short story, ethnographic case study, memoir, and novel—students will learn analytical techniques from both fields, and hone interpretive and writing skills. Knowledge of Russian is not required.

**CULANTH490 - Advanced Special Topics in Cultural Anthropology**

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<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>CULANTH</td>
<td>490</td>
<td>Advanced Special Topics in Cultural Anthropology</td>
</tr>
</tbody>
</table>

**Description**

Selected topics in methodology, theory, or area.

**CULANTH490S - Special Topics**

<table>
<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
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<tbody>
<tr>
<td>CULANTH</td>
<td>490S</td>
<td>Special Topics</td>
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</tbody>
</table>

**Description**

Advanced Special Topics in Cultural Anthropology.

**CULANTH498S - Senior Seminar Distinction Program Sequence**

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<tr>
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<th>Catalog Number</th>
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</thead>
<tbody>
<tr>
<td>CULANTH</td>
<td>498S</td>
<td>Senior Seminar Distinction Program Sequence</td>
</tr>
</tbody>
</table>

**Description**

No credit for Cultural Anthropology 498S without satisfactory completion of Cultural Anthropology 499S. Students who wish to exit the Senior Seminar Distinction Program sequence after completion of 498S must petition the course instructor, their advisor, and the director of undergraduate studies. The student will be given course credit and a final grade provided the instructor, their advisor, and the director of undergraduate studies determine the student has done adequate work. Consent of director of undergraduate studies required.
CULANTH499S - Senior Seminar Distinction Program Sequence

Subject: CULANTH  
Catalog Number: 499S  
Title: Senior Seminar Distinction Program Sequence

Description
Continuation of Cultural Anthropology 498S and required for credit for 498S. Students who wish to exit the Senior Seminar Distinction Program sequence after completion of 498S must petition the course instructor, their advisor, and the director of undergraduate studies. The student will be given course credit and a final grade provided the instructor, the student’s advisor, and the director of undergraduate studies determine the student has done adequate work. Consent of director of undergraduate studies required.

CULANTH80S - Studies in Special Topics

Subject: CULANTH  
Catalog Number: 80S  
Title: Studies in Special Topics

Description
Opportunities for first-year students to engage with a specific issue in cultural anthropology, with emphasis on student writing. Topics vary each semester offered.

CULANTH89S - First-Year Seminar

Subject: CULANTH  
Catalog Number: 89S  
Title: First-Year Seminar

Description
Topics vary each semester offered.

DANCE101 - Introduction to Dance

Subject: DANCE  
Catalog Number: 101  
Title: Introduction to Dance

Description
Dance as a reflection of historical and current cultural values. Introduction to some of the major forms of world dance (for example, classical dances of Europe, Asia and Africa, and American modern dance); how dance forms illuminate and define gender, personal and group identity, political and religious status, aesthetic values, and the intentions of the dance-makers; dance as an educative force, a facilitator of cultural acquisition, and a reflection of cultural change; the function of dance in various cultural settings; how to look at dance, to analyze movement, and to read the text of dance structure.

DANCE105S - Dance Composition

Subject: DANCE  
Catalog Number: 105S  
Title: Dance Composition

Description
The basic elements of movement (time, space, weight, flow) and their choreographic applications explored through structured improvisation, short movement studies, viewing of videotaped dances, and selected readings. Experimentation with devices for movement manipulation and choreographic forms through longer movement studies. Prerequisite: a beginning level dance technique course (modern, ballet, jazz, or African) or consent of instructor.

DANCE110 - Elementary Modern Dance

Subject: DANCE  
Catalog Number: 110  
Title: Elementary Modern Dance

Description
Technical and artistic training in the modern dance idiom through technique, improvisation and composition. First steps in developing skill, clarity and motivational intent as well as strength and flexibility. No previous dance experience necessary.
DANCE116 - Alexander Technique for Musicians, Dancers, and Actors

Subject: DANCE
Catalog Number: 116
Title: Alexander Technique for Musicians, Dancers, and Actors

Description:
The Alexander Technique provides a structured method of self inquiry which has helped performing artists improve their skills for over 100 years. By uncovering and transforming previously unconscious movement patterns and mental habits, performers can significantly improve their skills by increasing freedom and ease of movement. All instrumentalists and singers with a strong interest and background in performance are welcome.

DANCE120 - Beginning Ballet

Subject: DANCE
Catalog Number: 120
Title: Beginning Ballet

Description:
Basic classical ballet technique, body alignment, vocabulary, and musicality for the absolute beginner. Barre and center exercises included.

DANCE122 - Intermediate Ballet

Subject: DANCE
Catalog Number: 122
Title: Intermediate Ballet

Description:
Barre work concentrating on body alignment and correct placement within the ballet vocabulary followed by center adagio and allegro sequences. Prerequisite: Dance 121 or equivalent.

DANCE125S - American Musicals

Subject: DANCE
Catalog Number: 125S
Title: American Musicals

Description:
What is it about musicals that made them a uniquely American theatrical form? In this course, we will investigate how musicals represent what it means to be American. Musical theatre history is American history, indebted to and reflective of critical histories of appropriation, capitalism, immigration, and popular entertainment. Musicals seduce us in song and dance; it is easy to ignore the substance beneath the sequins. We will study the texts and historical contexts of musicals over the past century, from Shuffle Along, and Oklahoma, to A Chorus Line, and Hamilton. Musicals reveal shifting notions of what 'American' means as they stage ability, ethnicity, gender, race, and sexuality.

DANCE130 - African Dance Technique I

Subject: DANCE
Catalog Number: 130
Title: African Dance Technique I

Description:
Introduction to African dance styles and related rhythmic structures from selected countries such as Guinea, Senegal, Nigeria and Cote d'Ivoire. Taught in the context of their social, occupational, and religious functions.

DANCE131 - Capoeira: Brazilian Dance/Martial Art

Subject: DANCE
Catalog Number: 131
Title: Capoeira: Brazilian Dance/Martial Art

Description:
Introduction to Capoeira, the dynamic art form that emerged in Brazil during the era of the Atlantic Slave Trade and blends music, ritual, acrobatic movement, and combat.
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<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>DANCE135 - Experimental Sculpture and Installation Art</strong></td>
<td>DANCE 135</td>
<td>Experimental Sculpture and Installation Art</td>
<td>This course explores ideas surrounding the creation of experimental sculpture. Employs non-traditional methods: 'readymades,' non-traditional materials, conceptual processes, digital interaction and fabrication techniques (rapid prototyping), mixed media including video, and projection technologies. Content of work driven by individual student interests—sustainability, the anthropocene, feminism, social and political commentary, and/or more formal, abstract sculptural relations. Instructor consent required.</td>
</tr>
<tr>
<td><strong>DANCE140 - Jazz Dance I</strong></td>
<td>DANCE 140</td>
<td>Jazz Dance I</td>
<td>No previous dance experience required.</td>
</tr>
<tr>
<td><strong>DANCE142 - Hip Hop I</strong></td>
<td>DANCE 142</td>
<td>Hip Hop I</td>
<td>Hip-Hop, an inner-city culture that has created its own art, language, fashion, music and dance styles. This is a beginning level of Hip Hop dance. Using dance as a time-line the course explores the history, development and core elements of hip-hop dance culture.</td>
</tr>
<tr>
<td><strong>DANCE143 - Hip Hop II</strong></td>
<td>DANCE 143</td>
<td>Hip Hop II</td>
<td>Hip-Hop, an inner-city culture that has created its own art, language, fashion, music and dance styles. This is the second level of Hip Hop dance and requires previous dance experience with the form. Using dance as a time-line the course explores the history, development and core elements of hip-hop dance culture.</td>
</tr>
<tr>
<td><strong>DANCE152 - Dance Improvisation</strong></td>
<td>DANCE 152</td>
<td>Dance Improvisation</td>
<td>Introductory dance studio course exploring states of presence, perception, awareness, and responsiveness to one's self and environment through movement improvisation. Utilizing techniques of improvisation across cultural traditions in dance, students experiment with music visualization, contact improvisation, sensory stimuli (visual, aural, kinesthetic) and steer embodied perceptions toward the creation of movement in the moment. The course aim is to practice and develop freedom in one’s personal movement vocabulary within and beyond the realm of dance. Students of all abilities and backgrounds are welcome. No formal dance experience required.</td>
</tr>
<tr>
<td><strong>DANCE165 - Let's Dance! Live Art and Performance</strong></td>
<td>DANCE 165</td>
<td>Let's Dance! Live Art and Performance</td>
<td>This introductory course offers an examination of the major movements in the history of concert and social dance, including ballet, tap, jazz, modern dance, musical theater, and particular cultural forms. Considerations of popular culture and reality competition dance programs; feminist foundations of modern dance; contemporary performance idioms that involve the presence of the body.</td>
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<td>Course Code</td>
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<tr>
<td>DANCE199FS</td>
<td>DANCE</td>
<td>199FS</td>
<td>Knowing Through Performance</td>
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<td>DANCE201S</td>
<td>DANCE</td>
<td>201S</td>
<td>Arts Entrepreneurship</td>
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<td>DANCE202S</td>
<td>DANCE</td>
<td>202S</td>
<td>Arts Policy, Leadership, and Engagement</td>
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<tr>
<td>DANCE203A</td>
<td>DANCE</td>
<td>203A</td>
<td>The Arts, Culture, and Performance of New York</td>
</tr>
</tbody>
</table>
**DANCE205S - Advanced Dance Composition**

Subject: DANCE  
Catalog Number: 205S  
Title: Advanced Dance Composition

**Description**
Focuses on developing your creative voice in movement and choreography. Open to dancers of any style. Continuation of the basic movement, choreographic devices and forms explored in Dance 105S. Explores the use of props, sets, lighting and costuming, and the relationship of music to dance. Choreographing and directing ensembles. Improvisation, choreographic tools, inter-disciplinary projects, site specific work, and lots of individual attention to guide students through the creative process. Prerequisite: Dance 105S.

**DANCE206S - Solo Performance**

Subject: DANCE  
Catalog Number: 206S  
Title: Solo Performance

**Description**
The makings of solo performance. Creation of personal presentation through journal writing, memory exploration, and personal interests. Exploration of text through voice work, storytelling, and choreography of the solo performer through movement, gesture, and props. Previous theater or dance experience plus instructor consent required.

**DANCE208S - Non-Profit Cultural Institutions**

Subject: DANCE  
Catalog Number: 208S  
Title: Non-Profit Cultural Institutions

**Description**
Non-profit cultural institutions are an integral part of arts communities at all levels: national, regional, local. Through readings, projects and service-learning, students gain overview of non-profit cultural organization formation, management, operational structures, governance challenges, board member responsibilities and situational ethics. Explores historical and present functions and social structures in which nonprofit tax-exempt organizations operate. Investigates how nonprofit cultural institutions have increasingly become a vehicle for fostering creativity in the arts and humanities. Students partner with local non-profit arts/cultural organizations to work on specific projects.

**DANCE210 - Intermediate Modern Dance**

Subject: DANCE  
Catalog Number: 210  
Title: Intermediate Modern Dance

**Description**
Increased complexity of movement sequences and greater emphasis on clarity of expression and quality of performance. Prerequisite: Dance 110 or equivalent dance training. Prerequisite: Dance 111 or equivalent.
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<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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<tbody>
<tr>
<td>DANCE</td>
<td>211</td>
<td>Musical Theater Workshop: Performance</td>
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<td>Description</td>
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<td>Students will develop the three primary skills of musical theater performance (acting, dancing, and singing) in this workshop. Students will also try their hand at choreography, direction, and dramaturgy as we collaboratively stage scenes and songs from musicals throughout the semester. We will analyze what makes musical theatre performance successful as we work to hone your own abilities and talents together. Each student will receive a mixture of individual and group coaching every week. Permission to enroll is granted by instructor consent following a successful audition into the mainstage production.</td>
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<tr>
<td>DANCE</td>
<td>219S</td>
<td>Production Management for Theater</td>
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<td>Description</td>
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<td>What does it mean to successfully manage an artistic endeavor? How does management affect whether or not a project is successful? How can artist managers be more sensitive and responsive to the needs of their fellow collaborators? This course explores theater from the perspective of the production manager. While our focus will be theater, we'll also discuss how to apply skills such as scheduling, budgeting, writing contracts, and personnel negotiation across the performing and cinematic arts.</td>
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<tr>
<td>DANCE</td>
<td>225S</td>
<td>Ballet Forces: Dancing the State</td>
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<td>Description</td>
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<td></td>
<td>Exploration of ballet as an art form, entangled in questions of commerce, race, aesthetics, embodied practice, creative achievement. Historical trends of theatrical dance, and fields of engagement that produced ballet as a practice are examined. Questions of pedagogy and access, qualities of performance across geographies and eras, biographical depictions of influential figures. Theoretical grounding established for how ballet arrives entangled in circles of enduring social influence.</td>
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<tr>
<td>DANCE</td>
<td>226S</td>
<td>Performing African Diaspora</td>
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<td>Description</td>
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<td>The Black cultural contributions of globally popular performance genres such as salsa, capoeira and kizomba often remain unrecognized. The objectives of this class are: 1) to understand the historical, cultural and political forces that created the African Diaspora and its rich tapestry of dances. 2) to question our assumptions that knowledge is only produced through the mind; knowledge is also produced and transmitted through moving bodies. To meet these objectives, the course will be a combination of seminar and studio: in seminar we will engage readings in anthropology, dance and performances studies about specific dances which we will then learn in studio.</td>
</tr>
<tr>
<td>DANCE</td>
<td>229</td>
<td>Stage Management</td>
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<td>Description</td>
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<td></td>
<td>This course will familiarize the student with techniques and skills required to be a smart, efficient and effective Stage Manager in a Theatrical Production. We will delve into the principles and processes of stage management through exploration of the tasks required of stage managers throughout the production process.</td>
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<tr>
<td>DANCE</td>
<td>230</td>
<td>African Dance Technique II</td>
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<td>Description</td>
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<td></td>
<td>Continuation of Dance 130. Dances from selected African ethnic groups providing increasingly complex movement sequences and rhythmic structures. Emphasis on greater technical proficiency, clarity of expression and quality of performance. Taught in the context of their social, occupational and religious functions. Prerequisite: Dance 130 or consent of instructor.</td>
</tr>
</tbody>
</table>
# DANCE235SL - Capoeira: Practice and Culture

**Subject**  
DANCE  

**Catalog Number**  
235SL  

**Title**  
Capoeira: Practice and Culture  

**Description**  
Lecture/lab course introducing the movement, music and culture of capoeira, an Afro-Brazilian martial art that combines dance, self-defense and acrobatics. Created by male African slaves in Brazil several hundred years ago, viewed as a social threat and outlawed in the 19th century, celebrated as an element of national identity in the 20th century, today capoeira is rapidly crossing national, racial and gender borders as it becomes a popular global practice. Studio classes twice a week focus on the basic movements, percussive music and call-and-response singing. Seminar once a week focuses on the historical, cultural and socio-political dynamics that shape capoeira in Brazil and beyond.

# DANCE240 - Jazz Dance II

**Subject**  
DANCE  

**Catalog Number**  
240  

**Title**  
Jazz Dance II  

**Description**  
Prerequisite: Dance 140 or equivalent.

# DANCE251AS - Duke in London: Arts

**Subject**  
DANCE  

**Catalog Number**  
251AS  

**Title**  
Duke in London: Arts  

**Description**  
This course surveys London as a site of dynamic cultural production, whose participation in the global marketplace of artistic commodities reveals the city's restlessly transnational, cosmopolitan character. Studying local institutions, students are introduced to the complex relationship among art, state, and the global cultural marketplace; studying a multiracial and multiethnic community, they become familiar with theories of globalization, neoliberalism, and cosmopolitanism, as well as migration and so-called national identity. Students also participate in excursions including dance, opera, and theatre productions and visits to museums and other sites of cultural importance.

# DANCE276S - Lighting Design

**Subject**  
DANCE  

**Catalog Number**  
276S  

**Title**  
Lighting Design  

**Description**  
Introduction to the process and practice of lighting design for the theater. Focus on text analysis, research, design process, instrumentation, control, color, design documents, and realization of designs in the theater. Includes the study of principles and practices, labs in design imagery, and projects in lighting design.
**DANCE280 - Individual Dance Program: Special Topics**

**Subject**  
DANCE

**Catalog Number**  
280

**Title**  
Individual Dance Program: Special Topics

**Description**  
An individualized program of study of dance technique from existing class sessions. Consent of instructor required.

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**DANCE284 - Ritual, Performance, and Religion**

**Subject**  
DANCE

**Catalog Number**  
284

**Title**  
Ritual, Performance, and Religion

**Description**  
Exposes students to theories of ritual and performance (Turner, Schechner, Grimes, Geertz, Paden) in religious and non-religious contexts; compares contexts as a way of understanding common structures and what differentiates the religious/non-religious. Guest lecturers (from religion, dance, theater, psychology, English, visual and media studies, cultural anthropology) expose students to a range of approaches to specific kinds of ritual and performance. Possibly involves both class and individual trips to local religious events and performances for field work exercises.

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**DANCE290 - Special Topics Lecture**

**Subject**  
DANCE

**Catalog Number**  
290

**Title**  
Special Topics Lecture

**Description**  
Content to be determined each semester.

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**DANCE290A - Special Topics in Dance Duke-Administered Study Abroad**

**Subject**  
DANCE

**Catalog Number**  
290A

**Title**  
Special Topics in Dance Duke-Administered Study Abroad

**Description**  
Topics differ each semester.

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**DANCE290S - Special Topics Seminar**

**Subject**  
DANCE

**Catalog Number**  
290S

**Title**  
Special Topics Seminar

**Description**  
Content to be determined each semester.

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**DANCE301 - Arts Activism & Everyday Technology**

**Subject**  
DANCE

**Catalog Number**  
301

**Title**  
Arts Activism & Everyday Technology

**Description**  
In the last decade, smartphones and social media have been utilized to expose societal inequity and injustice. This course explores the intersection of arts activism and digital activism, both of which sprout from a desire to effect change. In Arts Activism & Everyday Technology, students integrate their social media savvy and passion for exerting influence into a formalized generative art practice (using dance, film, photography, drama, music, visual art, creative writing, and digital media design) addressing a topical issue. Students study past and present artist-activists, research an area of interest and use their smartphones to create a culminating interdisciplinary digital exhibition.
DANCE302S - Writing about Performance

Subject: DANCE
Catalog Number: 302S
Title: Writing about Performance

Description
Inquiry into the concept of ‘performance’ broadly construed—not only as it refers to ‘staged’ concerts or plays, but also as social ritual and as self-presentation, appropriately situated in cultural context. Writing experiments aimed at capturing the ephemeral nature of live performance, with attention to how meaning is enacted through movement, sound, lighting, rhythm, voice, emotion, and audience interaction. Regular writer’s workshops and field trips to theater, dance, and musical performances. Students compose critical reviews and a research project on a performance genre, an artist’s approach, or other related topic of their choosing. Prerequisite: Writing 101.

DANCE306S - Dance for the Camera

Subject: DANCE
Catalog Number: 306S
Title: Dance for the Camera

Description
The choreographic and bodily experience essential to dance for the camera. Hands-on experience in videodance production through the exploration/production of several short individual and group videodance projects. Issues in creative and conceptual thinking, experimentation, pre/post video production, camera techniques, non-linear editing (Final Cut Pro), choreography for the camera. Viewings of seminal as well as experimental videodance works; discussions; readings; internet site visits; computer lab and dance studio/shooting location time; gallery/museum or video installation site visits. Prerequisite: Intermediate or above level of any dance technique, or Dance 105S.

DANCE308 - Performance and Technology: Composition Workshop

Subject: DANCE
Catalog Number: 308
Title: Performance and Technology: Composition Workshop

Description
Workshop exploration of technologies embedded in performance: robots, media, computer interface. Students create performance projects and discuss theoretical and historical implications of technologies in performance. Open to dancers, actors, musicians, spoken word artists and all those interested in technology and the arts. No previous experience or programming skills required.

DANCE309S - Dancing States of Mind: The Self, Social and Political Practice of Dance

Subject: DANCE
Catalog Number: 309S
Title: Dancing States of Mind: The Self, Social and Political Practice of Dance

Description
Practice-based studio work, discussion, and readings in current political discourse, System Theory, contemporary philosophy and cultural theory. Reveals the culturally constructed nature of dance in Western society—its manner of production, dissemination and aesthetics—and examines the consequences of ‘the cultured flesh’ as a mode of propaganda. The cultivation of students’ radically subjective creativity, artistic experimentation, awareness, perception and expression, in order to understand and challenge the status quo; and to integrate abstract concepts into one’s own physical existence and redefine assumptions by moving right through them.
DANCE 310 - Advanced Modern Dance

Subject: DANCE
Catalog Number: 310
Title: Advanced Modern Dance

Description: Technical and artistic training in the modern dance idiom at an advanced level. Increased complexity of movement sequences and emphasis on clarity of expression, musicality, and quality of performance. Prerequisite: Dance 210 or equivalent dance training. Prerequisite: Dance 210 or equivalent.

DANCE 316S - Unique Approaches to Dance Choreography

Subject: DANCE
Catalog Number: 316S
Title: Unique Approaches to Dance Choreography

Description: Course focusing on and analyzing the unique approaches to dance choreographies spanning late twentieth and twenty-first-century from world cultures. Discussions of choreographic approaches in their historical, political, racial, and aesthetic context. Readings will focus on creativity and choreography as a social phenomenon, as a form of racial and political activism, and as a medium of projecting gendered identity and the ever changing aesthetics. Discussions will also include postmodernism in dance and the impact of globalization on the traditional and regional aesthetics. When possible, guest artists will be invited to lead discussions.

DANCE 317 - The Body in Art in Early Modern Europe: Power and Limits of Corporeal Representations

Subject: DANCE
Catalog Number: 317
Title: The Body in Art in Early Modern Europe: Power and Limits of Corporeal Representations

Description: This course studies the artistic representations of the human body in many guises: aesthetic, political, social, cultural, and erotic. It analyses the different strategies artists deployed to develop rhetorics of the body both physical and emotional. It considers different media (including painting, sculpture, drawings, prints, architecture, and gardens) and major theoretical frameworks (including feminist theory, phenomenology, social theory and somaesthetics). This course considers the body dynamically through composition, as object of investigation, as locus of meaning and through social understanding. Lectures and discussions are complimented by corporeal performances and improvisations.

DANCE 318S - Movement in Question: Introduction to Critical Dance Studies

Subject: DANCE
Catalog Number: 318S
Title: Movement in Question: Introduction to Critical Dance Studies

Description: This writing-intensive seminar casts students as a research team engaging in multiple ways with the interdisciplinary field of critical dance studies. Students read and analyze foundational texts and theories, develop capacity to interpretively analyze movement, and practically engage in embodied activities that make gaps between textual representation and embodiment visible. This holistic approach throws movement into question and centralizes dance as a critical way of making the social world. Final Research Projects include conventional academic papers or choreographed performances that engage issues raised in the course. Zero dance experience required. All physical abilities welcomed.
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<tr>
<td>DANCE</td>
<td>320</td>
<td>Advanced Ballet</td>
</tr>
</tbody>
</table>

**DANCE320 - Advanced Ballet**

- **Subject**: DANCE
- **Catalog Number**: 320
- **Title**: Advanced Ballet

**Description**
Progression of Dance 220 with increased emphasis on line, style, and performance-level quality and technique. Diverse batterie, pirouettes, and tours included in allegro combinations. Prerequisite: Dance 220 or equivalent.

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<tbody>
<tr>
<td>DANCE</td>
<td>321</td>
<td>Pointe and Variations: Advanced Study of Pointe Work for Ballet</td>
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</tbody>
</table>

**DANCE321 - Pointe and Variations: Advanced Study of Pointe Work for Ballet**

- **Subject**: DANCE
- **Catalog Number**: 321
- **Title**: Pointe and Variations: Advanced Study of Pointe Work for Ballet

**Description**
Classical and contemporary pointe technique and variations. Refinement of the classical style and the exploration of contemporary studies en pointe in the ballet lexicon. Training in and analysis of the principles of classical and neoclassical variations and their historical and aesthetic context. Development of interpretative skills, enhancement of style and performance qualities through coaching and informal showings. Prerequisite: Dance 220 or Dance 320 or Dance 420 or permission of instructor.

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<th>Title</th>
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<tr>
<td>DANCE</td>
<td>325S</td>
<td>The Black Parades: African Diaspora Parade Culture and Radical Resistance</td>
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</table>

**DANCE325S - The Black Parades: African Diaspora Parade Culture and Radical Resistance**

- **Subject**: DANCE
- **Catalog Number**: 325S
- **Title**: The Black Parades: African Diaspora Parade Culture and Radical Resistance

**Description**
The Black Parades: African Diaspora Parade Culture and Radical Resistance explores African diaspora parades as the embodiment of political activism, cultural and social imagination, identity construction, and radical resistance in action. From dance, music, food, socio-political meaning, and cultural symbolism, we will examine Carnival, Oshún Festival in Nigeria and Philadelphia, Emancipation Day in Trinidad, Second Line in New Orleans, USA Juneteenth, Garifuna Settlement Day Belize, Black Pride in Africa and the USA, the 1968 Poor Peoples March, Home Coming Day Parades, West Indian Day Parade in NYC, Martin Luther King Jr. Day Parades, and the Harlem Hell Fighters Parade.

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<tr>
<td>DANCE</td>
<td>332</td>
<td>Black Theater Workshop</td>
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</table>

**DANCE332 - Black Theater Workshop**

- **Subject**: DANCE
- **Catalog Number**: 332
- **Title**: Black Theater Workshop

**Description**
Explore race and culture in America through texts of Black playwrights. Scene study by racially diverse class to engender feedback process. Juxtaposition of playwright’s race to societal standards of universal content; relevance of actor’s race to playwright’s intent; historical context of Black Arts ‘militant’ plays of the 1960s-70s. Workshop culminates in public performance.
DANCE335S - West African Rootholds in Dance

Description
Lecture and dance laboratory exploring three West African traditional dance forms and their relationship to religious and social life in Africa and the Diaspora. Continuity and transformation of physical texts as cultural heritage, examined historically and aesthetically. Guest lecturers, videos, research project. Two lab sections, one for students with prior training in African Dance, and one for students with no experience.

DANCE336 - Black Dance

Description
Exploration of composition and performance structures commonly described as black dance. Working with cultural criticism contemporary with emergent modes of black dance, assesses political motivations and aesthetic strategies of artists and writers working explicitly in this idiom. Considers possibility of black dance performed by people of First World, European, and Asian descent. Examines concert dance, social dance, religious dance.

DANCE337S - Black Dance: Jamaican Contexts

Description
Black Dance: Jamaican Contexts is a survey of one of the most beloved island nations through the religious, folkloric, and social dances from which Jamaican theatrical dance emerges. A hybrid of lectures, movement classes, and discussions, the course analyzes and interprets Jamaican dance’s aesthetic, philosophical, and historical foundations through a study of institutions, individuals, and artistic artifacts spanning the periods of slavery to the present. The course locates Jamaican dance as a creative product with the capacity to influence global culture, as evidenced in the proliferation and appropriation of Reggae and DanceHall.

DANCE338S - Ballet History: Black Presence

Description
Ballet History: Black Presence examines the exclusion of Black ballet artists from the historical canon. The course content spans from 1930 to 2020, investigating the events, individuals, institutions, and artistic artifacts involving Black artists, placing them into the narrative of ballet history. It focuses on the social, political, economic, and aesthetic factors that inform artistic production and canonical inclusion based on race and nationality, interrogating the perception that ballet is an exclusively European cultural artform. The course discusses the influence of West African, Caribbean, European, South American, and American Blacks on the development of the ballet profession.

DANCE347S - The Moving and Sounding Body

Description
This acting course offers a constellation of embodied techniques from the traditions of physical acting, laboratory theater, and devised performance. We will playfully investigate creative articulation of the poetic body and its voice as an integrated system using diverse texts, found objects, site-specific observations, and imagination. The course is intended to support acting performers as they develop strategies for a wider range of creative expression and character interpretation through sensorial awareness, embodied sound production, and transformative gesture for stage, film, and performance art.

DANCE356 - Dance and Dance Theater of Asia

Description
Asian dance and dance theater performance genres and the cultural aesthetics that inform them. Cultural traditions of China, Korean, Japan, India, Indonesia, Thailand and Cambodia. Religious, ritual, folk and royal court forms of artistic performance. The mythology, legends and symbolic interpretations that underlie the thematic core of these performance traditions; spiritual importance of disciplined training; the intercultural translation and adaptation of Asian performance disciplines to the West.
DANCE 368 - Gender in Dance and Theatre

Subject: DANCE  
Catalog Number: 368  
Title: Gender in Dance and Theatre

Description:
Ways in which gender and sexuality are conceptualized in selected performance cultures. Interprets these historically constituted social formations through an examination of the diverse cultural constructions of gender meanings, representations and ideologies as interpreted and expressed in dance and theatre. Symbolic meanings of gender in relation to forms of social life and theatrical experience. The Devadasi in India, the concept of the male embodied Onnagata, and the notion of the female embodied Otokoyaku in the dance-theatre of Japan.

DANCE 370S - The Choreographic Mind: Order, Disorder, Organization, Relations

Subject: DANCE  
Catalog Number: 370S  
Title: The Choreographic Mind: Order, Disorder, Organization, Relations

Description:
Practice-based studio work, discussions, and readings in current cultural theory, contemporary philosophy, and political discourse. Introduces choreography as a creative act of structuring movement; interrogates culturally dominant as well as subversive modes of ordering; examines the wider social and political context and consequences of various forms of artificially created structures. The students' radically subjective creativity, artistic experimentation, awareness, perception and expression is cultivated in order to understand and challenge the status quo and to create 'relational artefacts' through choreographic craft.

DANCE 371 - Artists in Healthcare: Collaborations and Complexities

Subject: DANCE  
Catalog Number: 371  
Title: Artists in Healthcare: Collaborations and Complexities

Description:
The economically over-burdened US health care system and extended life expectancies for older adults offer a unique opportunity for working artists—not arts therapists—to intervene in the rapidly expanding field of integrative art and health. Rather than study health outcomes as indicators of 'success,' we centralize creative practice as our axis of inquiry. Course readings, interviews, and field visits to a Durham-based intervention highlight power imbalances and cultural sensitivities in hospitals, clinical care, assisted living, and nonprofit community care contexts. Culminates in student driven case studies of local arts work and workarounds.

DANCE 375 - Music for Dancers

Subject: DANCE  
Catalog Number: 375  
Title: Music for Dancers

Description:
Exploration of the elements of music, music structures, and their relationship to movement and dance. Practical emphasis on rhythmic fundamentals, rhythm notation, musicality, mindful listening, and how they apply to choreography/composition and dance class. In-class movement, rhythm, and listening exercises, both solo and in groups, along with written and creative assignments, using drums, voice, body percussion and digital audio. The goal of this course is to provide musical training for dance/movement artists. Requirements: no musical training required to take the class, however, students should be able to create/choreograph/improvise movement phrases.
DANCE377S - Dance Science: An Evolutionary Approach

**Subject**  
DANCE

**Catalog Number**  
377S

**Title**  
Dance Science: An Evolutionary Approach

**Description**
Exploration of the origins of human dance through studies of non-human 'dance' and entrainment, representations of dancing figures in the archaeological record, and evolutionary changes in the human body that allow for the extraordinary flexibility of human dance. Lab based studies of evolutionary changes in the human body. Learn about dance injuries and how the brain processes observed movement, as well as many other areas in which dance and science intersect.

DANCE390 - Special Topics

**Subject**  
DANCE

**Catalog Number**  
390

**Title**  
Special Topics

**Description**
Content to be determined each semester.

DANCE390S - Special Topics

**Subject**  
DANCE

**Catalog Number**  
390S

**Title**  
Special Topics

**Description**
Content to be determined each semester.

DANCE391 - Independent Study

**Subject**  
DANCE

**Catalog Number**  
391

**Title**  
Independent Study

**Description**
Individual directed study in a field of special interest on a previously approved topic, under the supervision of a faculty member, resulting in an academic or artistic product. Consent of instructor and the director of undergraduate studies required.

DANCE393 - Research Independent Study

**Subject**  
DANCE

**Catalog Number**  
393

**Title**  
Research Independent Study

**Description**
Individual research in a field of special interest under the supervision of a faculty member, the central goal of which is a substantive paper or written report containing significant analysis and interpretation of a previously approved topic. Consent of instructor and director of undergraduate studies required.

DANCE394 - Research Independent Study

**Subject**  
DANCE

**Catalog Number**  
394

**Title**  
Research Independent Study

**Description**
See Dance 393. Consent of instructor and director of undergraduate studies required.
DANCE403S - Pedagogies of Dance

Subject: DANCE
Catalog Number: 403S
Title: Pedagogies of Dance

Description:
Preparation of serious, experienced dancers to teach dance technique, performance and other embodied pedagogies to adults/young adults in a college or community setting. Students will critically analyze pedagogical readings from a range of approaches/philosophical platforms. Contemporary analyses of embodied pedagogy will help interrogate questions of agency, power dynamics in the teacher/student relationship, and personal blind spots as characterized by bell hooks. Students will engage in teaching practice, self- and peer-critique, and create tools of self-analysis concerning their teaching and its effect. Prerequisites: DANCE 101 and one intermediate- or advanced-level dance technique course.

DANCE410 - Intensive Modern Dance

Subject: DANCE
Catalog Number: 410
Title: Intensive Modern Dance

Description:
Intensive modern dance training at the Intermediate and advanced levels. Prerequisite: Dance 310 or equivalent.

DANCE412 - Performance: Modern

Subject: DANCE
Catalog Number: 412
Title: Performance: Modern

Description:
The study of choreography and performance through participation in the mounting of a dance work from inception through rehearsal to performance. Separate enrollment in dance technique is encouraged. Consent of department required.

DANCE420 - Intensive Ballet

Subject: DANCE
Catalog Number: 420
Title: Intensive Ballet

Description:
Continuation of Dance 320. Daily training for the performing student at the advanced/professional level. Prerequisite: Dance 320 or equivalent.

DANCE422 - Performance: Ballet

Subject: DANCE
Catalog Number: 422
Title: Performance: Ballet

Description:
The study of choreography and performance through participation in the mounting of a dance work from inception through rehearsal to performance. Separate enrollment in dance technique is encouraged. Consent of department required.

DANCE432 - Performance: African

Subject: DANCE
Catalog Number: 432
Title: Performance: African

Description:
The study of choreography and performance through participation in the mounting of a dance work from inception through rehearsal to performance. Separate enrollment in dance technique is encouraged. Consent of instructor required.
DANCE435 - Experimental Sculpture and Installation Art

Subject  
DANCE

Catalog Number  
435

Title  
Experimental Sculpture and Installation Art

Description
This course explores ideas surrounding the creation of experimental sculpture. It employs non-traditional methods: 'readymades,' non-traditional materials, conceptual processes, digital interaction and fabrication techniques (rapid prototyping), mixed media including video, and projection technologies. Content of work driven by individual student interests, sustainability, the anthropocene, feminism, social and political commentary, and/or more formal, abstract sculptural relations. Instructor consent required.

DANCE442 - Performance: Jazz

Subject  
DANCE

Catalog Number  
442

Title  
Performance: Jazz

Description
Study of choreography and performance through participation in the mounting of a dance work in the jazz idiom from inception through rehearsal to performance. Separate enrollment in dance technique is encouraged. Consent of instructor required.

DANCE443 - Performance: Tap

Subject  
DANCE

Catalog Number  
443

Title  
Performance: Tap

Description
The study of choreography and performance through participation in the mounting of a dance work from inception through rehearsal to performance. Separate enrollment in a dance technique course encouraged. Consent of department required.

DANCE444 - Performance: Hip Hop

Subject  
DANCE

Catalog Number  
444

Title  
Performance: Hip Hop

Description
This is a performance course. Students audition the first week of classes. Selected students will receive a permission number to register. Students learn and create original choreography with the course instructor. All participants will perform in the Duke Dance Program semester concert with other Faculty, guest, and student works. Students attend this course twice a week until the concert date (TBA - April or November). Students work in the hip-hop dance idiom and explore the nuances and innovative concepts relating to hip-hop dance.

DANCE462 - Amendment - A Social Choreographic Work

Subject  
DANCE

Catalog Number  
462

Title  
Amendment - A Social Choreographic Work

Description
In times of a burning world, and the irreversible damage to our environment, the work 'Amendment' offers to reframe our relationship to 'the other.' The work will provide us with extraordinary experiences in movement to temporarily transcend the human/human, human/non-human divide into a relationship of reciprocal belonging. This is a rare opportunity to work with Duke Professor Michael Kliën on an experimental, immersive work of social choreography. Part of Bass Connections: Performing Embodied Communities.

DANCE472 - Performance: Dance Theater

Subject  
DANCE

Catalog Number  
472

Title  
Performance: Dance Theater

Description
The study of choreography and performance through participation in the mounting of a dance work from inception through rehearsal to performance. Separate enrollment in a dance technique course required. Consent of department required.
DANCE487S - Capstone Seminar: Research Methods in Dance Studies and Choreographic Performance

Subject: DANCE
Catalog Number: 487S
Title: Capstone Seminar: Research Methods in Dance Studies and Choreographic Performance

Description:
Methods used in dance theory, history, ethnography, education and choreography/practice. Interviewing and documentation; examination of issues concerning participatory experience and objectivity in ethnographic research. Students develop a research paper that culminates in an extensive individual project completed in this course, or, in the case of dance majors, in Dance 489T. Open only to junior/seniors. Recommended prerequisite: Dance 101, one additional course in dance history, theory, or world cultures of dance. Requires instructor consent.

DANCE490S - Special Topics in Dance

Subject: DANCE
Catalog Number: 490S
Title: Special Topics in Dance

Description:
Special Topics in Dance.

DANCE489T - Capstone: Senior Project

Subject: DANCE
Catalog Number: 489T
Title: Capstone: Senior Project

Description:
A research paper, choreographic project, or performance program with appropriate written documentation under dance faculty supervision. Open only to seniors earning a major in dance and with permission to seniors earning a minor in Dance. Consent of instructor required.

DANCE499S - Capstone Seminar: Distinction Project

Subject: DANCE
Catalog Number: 499S
Title: Capstone Seminar: Distinction Project

Description:
A substantial historical, analytical, empirical or theoretical paper of 30-50 pages in length, or a major choreographic or performance project with a written component of 15-25 pages in length that analyzes and elucidates the project's conceptual, thematic and technical aspects.

DANCE89S - First-Year Seminar

Subject: DANCE
Catalog Number: 89S
Title: First-Year Seminar

Description:
Topics vary each semester offered.

DECSCI101 - Fundamentals of Decision Science

Subject: DECSCI
Catalog Number: 101
Title: Fundamentals of Decision Science

Description:
This course is a question-driven introduction to the certificate and the fundamentals of how humans make decisions. The primary goal is to provide hands-on and problem-focused instruction designed to connect students to research as quickly as possible. Substantive topics include behavioral and experimental economics, consumer behavior and marketing research, game theory, medical decision making, neuroeconomics, and political psychology.
DECSCI201 - Discovering Game Theory: Social Complexity and Strategic Interdependence

Subject: DECSCI
Catalog Number: 201
Title: Discovering Game Theory: Social Complexity and Strategic Interdependence

Description
Strategy is all around you: in sports, the economy, law, politics, and your own social interactions. In this course, you will explore one of the foundational tools that social scientists use to analyze the complexity of strategic interactions: Game Theory. To do so, the course employs a highly interactive learning environment, in which you and your peers engage in strategic interactions that illustrate fundamental social dilemmas. In taking this course, you will gain a new analytical perspective into the complexity of social phenomena, and develop a solid foundation for additional course work in social science.

DECSCI213S - Paradoxes of Rational Choice

Subject: DECSCI
Catalog Number: 213S
Title: Paradoxes of Rational Choice

Description
In this course, we will delve into the philosophical foundations of rational choice theory and confront a broad range of decision theoretic puzzles and paradoxes. Along the way, we'll evaluate several of the most prominent philosophical theories of rational decision making and their relationships to topics in epistemology, causal inference and statistics.

DECSCI235 - Risk

Subject: DECSCI
Catalog Number: 235
Title: Risk

Description
Simply put, risk is 'the possibility of something bad happening.' Defined in this way, increased attentiveness to risk has the potential to be paralyzing because it is present in nearly every aspect of human existence. This course, organized by the Duke Center on Risk, capitalizes on this ubiquity by bringing together ideas and approaches from all corners of the university. A unifying perspective is the recognition that risk involves elements of both chance ('possibility') and value ('something bad'). Therefore, students will learn the languages of probability and economics within the cultural settings of public policy, law, engineering, business, and medicine.

DECSCI401S - Research in Decision Science

Subject: DECSCI
Catalog Number: 401S
Title: Research in Decision Science

Description
This seminar allows students to engage in original research in the area of individual decision-making. As part of the Decision Science program, the emphasis is on interdisciplinary research combining insights from disciplines that include behavioral economics, game theory, machine learning, neuroscience, political psychology, and statistics. Work completed in this seminar can lead to either a stand-alone research project or honors in the student's home major. Prerequisite: Decision Sciences 101.
DOCST101 - Traditions in Documentary Studies

Subject: DOCST  
Catalog Number: 101  
Title: Traditions in Documentary Studies

Description: Traditions of documentary work seen through an interdisciplinary perspective, with an emphasis on twentieth-century practice. Introduces students to a range of documentary idioms and voices, including the work of photographers, filmmakers, oral historians, folklorists, musicologists, radio documentarians, and writers. Stresses aesthetic, scholarly, and ethical considerations involved in representing other people and cultures.

DOCST101D - Traditions in Documentary Studies

Subject: DOCST  
Catalog Number: 101D  
Title: Traditions in Documentary Studies

Description: Traditions of documentary work seen through an interdisciplinary perspective, with an emphasis on twentieth-century practice. Introduces students to a range of documentary idioms and voices, including the work of photographers, filmmakers, oral historians, folklorists, musicologists, radio documentarians, and writers. Stresses aesthetic, scholarly, and ethical considerations involved in representing other people and cultures.

DOCST105S - The Documentary Experience: A Video Approach

Subject: DOCST  
Catalog Number: 105S  
Title: The Documentary Experience: A Video Approach

Description: A documentary approach to the study of local communities through video production projects assigned by the course instructor. Working closely with these groups, students explore issues or topics of concern to the community. Students complete an edited video as their final project. Not open to students who have taken this course as Film/Video/Digital 105S.

DOCST106FS - Documenting the Middle East: Community and Oral History

Subject: DOCST  
Catalog Number: 106FS  
Title: Documenting the Middle East Community and Oral History

Description: Studies the documentary record of the Middle East in photography, film, and oral history. From early studio photography to recent community and student production, considers documentary expression's meaning and function. Analyzes the role of digital humanities and social media in documentary research. Uses best practices of documentary work. Includes a service-learning, hands-on documentary component: recording diverse voices from Iraqi, Syrian, and Palestinian communities. Student-produced fieldwork from the class will be permanently housed at Duke’s Archive of Documentary Arts. Open only to students in the Focus Program. Department consent required.

DOCST107 - History of Documentary Film

Subject: DOCST  
Catalog Number: 107  
Title: History of Documentary Film

Description: Introduction to the history, theory, and styles of nonfiction film and video. Transformation in technologies and their influence on form, from actuality films to contemporary digital documentaries. Documentary's marginal status and surprising commercial appeal; the mixing of fiction and nonfiction strategies in cultural construction. Use of documentary as a tool for exploring individual identity, filmmaker/subject relationships, and fomenting political change.

DOCST107A - History of Documentary Film

Subject: DOCST  
Catalog Number: 107A  
Title: History of Documentary Film

Description: Introduction to the history, theory, and styles of nonfiction film and video. Transformation in technologies and their influence on form, from actuality films to contemporary digital documentaries. Documentary's marginal status and surprising commercial appeal; the mixing of fiction and nonfiction strategies in cultural construction. Use of documentary as a tool for exploring individual identity, filmmaker/subject relationships, and fomenting political change.
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<tr>
<th>Subject</th>
<th>Catalog Number</th>
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<tr>
<td>DOCST110S - Introduction to Oral History</td>
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<td>Introduction to Oral History</td>
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<td>Subject</td>
<td>Catalog Number</td>
<td>Title</td>
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<td>DOCST115S - Introduction to Black and White Photography</td>
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<td>Introduction to Black and White Photography</td>
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<tr>
<td>Introductory oral history fieldwork seminar. Oral history theory and methodology, including debates within the discipline. Components and problems of oral history interviewing as well as different kinds of oral history writing.</td>
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<td>Foundation class in photography utilizing black and white film and a wet darkroom. Shoot, process, and print individual student work throughout the semester. Emphasis on the documentary approach and a continual visual exploration of meaning and metaphor in the form of regular assignments, slide lectures of important historic and contemporary photographic work, and critiques of each other's work. No textbooks are required, though students will need to budget a comparable amount for supplies and equipment.</td>
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<td>An emphasis on digital photography, using the camera as a distinctive way of seeing and knowing. Class assignments accompanied by historical and theoretical readings, lectures, class discussions, and field trips. Final projects include thematic photographic series and an individual documentary essay.</td>
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<tr>
<td>Recording techniques and audio mixing on digital editing software for the production of audio (radio) documentaries. Various approaches to audio documentary work, from the journalistic to the personal; use of fieldwork to explore cultural differences. Stories told through audio, using National Public Radio-style form, focusing on a particular social concern such as war and peace, death and dying, civil rights.</td>
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<td>Description</td>
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<tr>
<td>History and development of documentary photography in Germany since the 19th century. Photography fieldwork projects focused on interpreting cultural life, public spaces, landscapes, and people in Berlin. Includes techniques and practice of color photography—composition, lighting, color correction, editing, and sequencing. Engagement with contemporary photography scene in Berlin through visits with area artists, museum visits, and mounting of exhibition of student work. Offered through the Duke in Berlin program.</td>
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<tr>
<td>Immersion in the dangerous and contentious recent history of youth activism in environmental and racial justice movements worldwide. Using oral history, archival research methods, and cultural production, students explore methods for researching documenting and creating narratives of youth social activism. Historical and contemporary youth campaigns explored in this course include those to protect land, soil, air and people from pollutants in Black, Indigenous, and Global South communities. All of these movements have expanded the legal, narrative, and practical understanding of environmental and human rights in US and global frameworks.</td>
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**DOCST190 - Special Topics in Documentary Studies**

Subject: DOCST  
Catalog Number: 190  
Title: Special Topics in Documentary Studies  
Description: Topics vary each semester.

**DOCST190FS - Focus Program Topics in Documentary Studies**

Subject: DOCST  
Catalog Number: 190FS  
Title: Focus Program Topics in Documentary Studies  
Description: Open only to students in the Focus Program. Topics vary each semester offered.

**DOCST190S - Special Topics in Documentary Studies**

Subject: DOCST  
Catalog Number: 190S  
Title: Special Topics in Documentary Studies  
Description: Topics vary each semester.

**DOCST191 - Independent Study**

Subject: DOCST  
Catalog Number: 191  
Title: Independent Study  
Description: Supervision and guidance of individual, documentary production-based topics. Consent of director of undergraduate studies required.

**DOCST192 - Independent Study**

Subject: DOCST  
Catalog Number: 192  
Title: Independent Study  
Description: Supervision and guidance of individual, documentary production-based topics. Consent of director of undergraduate studies required.

**DOCST193 - Research Independent Study**

Subject: DOCST  
Catalog Number: 193  
Title: Research Independent Study  
Description: Supervision and guidance of research-based, individual topics. Consent of director of undergraduate studies required.

**DOCST194 - Research Independent Study**

Subject: DOCST  
Catalog Number: 194  
Title: Research Independent Study  
Description: Supervision and guidance of research-based, individual topics. Consent of director of undergraduate studies required.

**DOCST202S - Children and the Experience of Illness**

Subject: DOCST  
Catalog Number: 202S  
Title: Children and the Experience of Illness  
Description: An exploration of how children cope with illness, incorporating the tools of documentary photography and writing. Students will work outside class with children who are ill and teach them how to use a camera, working toward an exhibit of photographs at the end of the semester. Permission required. Required participation in service-learning.
**DOCST206S - Medicine and the Vision of Documentary Photography**

**Subject**
DOCST

**Catalog Number**
206S

**Title**
Medicine and the Vision of Documentary Photography

**Description**
The intersection of healthcare and documentary photography. Explore work of established photographers engaged with healthcare topics. Produce semester-long documentary photography project and 5-10 page documentary essay on healthcare related topic. Students must have or quickly develop proficiency in the use of a digital SLR camera and Adobe Lightroom. Course materials include photographs, articles, and books. Class sessions combine critique of student work, discussion of course materials, and discussion of ethical questions involved in documentary representation of healthcare-related topics.

**DOCST208S - The Silent Film: An Introduction**

**Subject**
DOCST

**Catalog Number**
208S

**Title**
The Silent Film: An Introduction

**Description**
The first thirty-five years of cinema as an emerging art form and mode of communication. Aesthetic, technical, and cultural aspects of the medium will be considered in historical context, from nineteenth-century experiments to nascent narrative conventions and the first disruptive avant-garde movements. Focus is on close reading of relevant films.

**DOCST209FS - Digital Documentary Photography: Education, Childhood, and Growth**

**Subject**
DOCST

**Catalog Number**
209FS

**Title**
Digital Documentary Photography: Education, Childhood, and Growth

**Description**
Documentary photography as a tool for exploring public education in Durham. Learn digital techniques including camera function, Photoshop, ink-jet printing, audio capture and production of audio-visual slide shows. Discuss ethical issues that emerge as a result of digital photographic impermanence. Service-learning environment consisting of fieldwork photography in collaboration with community organization, culminating in an exhibit. This is a Focus Program Course for Knowledge in the Service of Society. Department consent is required.

**DOCST209S - Digital Documentary Photography: Education, Childhood, and Growth**

**Subject**
DOCST

**Catalog Number**
209S

**Title**
Digital Documentary Photography: Education, Childhood, and Growth

**Description**
Documentary photography as a tool for exploring public education in Durham. Learn digital techniques including camera function, Photoshop, ink-jet printing, audio capture and production of audio-visual slide shows. Discuss ethical issues that emerge as a result of digital photographic impermanence. Service-learning environment consisting of fieldwork photography in collaboration with community organization, culminating in an exhibit. Consent of instructor required.
DOCST215S - Documentary Photography and the Southern Culture Landscape

Subject: DOCST
Catalog Number: 215S
Title: Documentary Photography and the Southern Culture Landscape

Description: Emphasis on the tradition and practice of documentary photography as a way of seeing and interpreting cultural life. The techniques of color and black-and-white photography - exposure, development, and printing - diverse ways of representing the cultural landscape of the region through photographic imagery. The role issues such as objectivity, clarity, politics, memory, autobiography, and local culture play in the making and dissemination of photographs.

DOCST222S - The Photographic Portfolio

Subject: DOCST
Catalog Number: 222S
Title: The Photographic Portfolio

Description: Students actively seek specific photographic territory to explore and build a body of work. The resulting images are extensively worked for sequencing. Particular emphasis on the making of high quality prints. Semester culminates in the production of finished portfolios in three formats: a printed form, a digital form, and an exhibition or installation form. Each student's evolving body of work to be informed by relevant precedents from the history of photography. These are brought into discussions of the work as the semester progresses, with an emphasis on examining bodies of photographic work that communicate something larger than a single idea. Instructor consent required.

DOCST223S - Global Stories, Local Issues

Subject: DOCST
Catalog Number: 223S
Title: Global Stories, Local Issues

Description: What stories are there to tell about often overlooked objects and people and places? How can we research and share those stories with generosity and integrity? In every corner of our lives—the stickers on our computers, the plates at a local restaurant, the wood in our guitars—there is a story to be told that connects our individual experiences to broader, often global, phenomena. Participants will learn and use methods of ethnography and archival research to connect their experiences and their observations about a place, community, or thing to larger stories about culture and society, and they will practice writing about their research in engaging and broadly accessible ways.

DOCST224S - Children's Self Expression: Literacy Through Photography

Subject: DOCST
Catalog Number: 224S
Title: Children's Self Expression: Literacy Through Photography

Description: Children’s self-expression and education through writing, photography and documentary work. Focus on reading and critical interpretation of images. The history, philosophy, and methodology of Literacy Through Photography. Includes internship in an elementary or middle school classroom. Required participation in service-learning.
DOCST227S - Sociology through Photography

**Description**
Documentary photography used as a tool to see the world through a sociological lens. Photographs and the social construction of reality; generic components of social organization (codes of conduct, mechanisms of social control); power relations and social inequalities; and social identities (how they're formed in relation to structures, experiences, history and culture).

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DOCST230S - Small Town USA: Local Collaborations

**Description**
Theory and practice of documentary photography in a small-town context. Students working in collaboration with one nearby small town complete a documentary photographic study of one individual or group within that town. Includes analysis of the documentary tradition, particularly as it relates to locally situated work and to selected individual projects; building visual narrative, developing honest relationships with subjects, responsibility to subjects and their communities, and engaging with and portraying a community as an outsider. Photo elicitation and editing techniques. Consent of instructor required. Required participation in service-learning.

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DOCST236S - Color Photography: Fieldwork and Digital Color

**Description**
Field-based course examining color photography as a documentary tool. Students learn about aesthetic and technical foundations of color photography using recent digital technology. Class-conducted intensive examination of the work of historic and contemporary color documentary photographers. Advanced techniques in film scanning, Photoshop, and color pigment printing. Completion of semester-long color photographic project, and final project consisting of production of a series of color pigment prints.

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DOCST242S - Dance for the Camera

**Description**
The choreographic and bodily experience essential to dance for the camera. Hands on experience in videodance production through the exploration/production of several short individual and group videodance projects. Issues in creative and conceptual thinking, experimentation, pre/post video production, camera techniques, non-linear editing (Final Cut Pro), choreography for the camera. Viewings of seminal as well as experimental videodance works; discussions; readings; internet site visits; computer lab and dance studio/shooting location time; gallery/museum or video installation site visits. Prerequisite: Intermediate or above level of any dance technique, or Dance 105S.
DOCST246S - Feeding Diaspora: Global Food Stories and Audio Journalism

**Subject**
DOCST

**Catalog Number**
246S

**Title**
Feeding Diaspora: Global Food Stories and Audio Journalism

**Description**
Audio production-based course. Learn histories of global diaspora and their relationship to food and culture. Understand social, political and economic factors that shape global food production. Develop journalistic and storytelling skills including interview techniques, interpersonal and cross-cultural engagement with subjects, journalistic research, and narrative construction. Critical engagement with ethical considerations of representation central to journalism in a cross-cultural, diasporic context. Build audio-production skills including recording techniques and editing software. Produce broadcast-quality, full-length audio journalism piece on a global food story of student's choosing.

DOCST250S - The Photobook: History and Practice

**Subject**
DOCST

**Catalog Number**
250S

**Title**
The Photobook: History and Practice

**Description**
Cultural, intellectual and artistic history and uses of the book in photographic practice. Traces technical, conceptual, formal innovations that mark international history of photography books through lectures/hands-on examination of key books, including lesser known innovations and uses of photobook in Eastern Europe, the Soviet Union and Japan. Marries historical awareness with studio practice. Simultaneous immersion in production of images as well as collecting of archives from various cultures. Crafting of photobooks in several genres as students edit, print, scan, assemble materials. Seminar includes readings, discussions, short writings, field trips. Consent of instructor required.

DOCST264 - Introduction to Film Studies

**Subject**
DOCST

**Catalog Number**
264

**Title**
Introduction to Film Studies

**Description**
Basic film theory and history of motion picture technology. Introduction to experimental, documentary, and narrative forms of Third World, European, and United States cinemas.

DOCST268 - Religion and Film

**Subject**
DOCST

**Catalog Number**
268

**Title**
Religion and Film

**Description**
A study of the relationship between motion pictures and religion. Focus on the comparative portrayal of organized religions; expressions of religious life; and religious topics, such as God, evil and morality, in both Western and non-Western films in which contemporary artists and intellectuals explore the challenges of modernity.

DOCST270 - Contemporary Documentary Film: Filmmakers and the Full Frame Documentary Film Festival

**Subject**
DOCST

**Catalog Number**
270

**Title**
Contemporary Documentary Film: Filmmakers and the Full Frame Documentary Film Festival

**Description**
Integrated with the films and filmmakers of the Full Frame Documentary Film Festival. The art form, style, and technology of contemporary documentary films. Issues of autonomy and power, politics, and public policies. Analysis of outstanding films from around the world. Presentations and discussions by filmmakers.

DOCST272S - Documentary and Policy: How Documentary Influences Policy

**Subject**
DOCST

**Catalog Number**
272S

**Title**
Documentary and Policy: How Documentary Influences Policy

**Description**
Examines documentaries as catalysts for change in local, state, and federal laws and regulations, with special attention to relationships between film and organizations with political influence. Looks at how documentaries have altered public sentiment and political outcomes. Uses case studies of documentary films (essay-style, journalistic, information-driven films; narrative, story-driven films; propaganda; art films; and hybrids of all of the above). Explores the question of how a film achieves influence: for example, with a high-profile theatrical and/or television release, by utilization as an educational tool, or by 'going viral' to become part of a public conversation.
### DOCST273S - Filming Freedom Movements: Movies, Music, Monuments, Memory

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<tr>
<th>Subject</th>
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<tbody>
<tr>
<td>DOCST</td>
<td>273S</td>
<td>Filming Freedom Movements: Movies, Music, Monuments, Memory</td>
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</table>

**Description**

This class is a cross-disciplinary exploration of a series of questions about what societies choose to commemorate, what they stay silent about, what they try to repress, and how this changes over time. What impact does this have on public policy and cultural debate? Using a cross-cultural examination of four societies, we will draw on methods from the arts, art history, history, documentary, policy, cultural studies, critical race theory, sound studies, Indigenous studies, and feminist theory.

### DOCST274 - The Middle East Through Film

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<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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<tbody>
<tr>
<td>DOCST</td>
<td>274</td>
<td>The Middle East Through Film</td>
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</table>

**Description**

Film as access into the region through a series of direct as well as poetic connections woven across films viewed, filmmakers featured, lectures, discussions, and texts read. By means of the integration of course components and students' weekly responses, an understanding of the region is developed by way of inquiry into and rigorous engagement with cultural production. From feature length films to shorts, the breadth of the work we will engage with includes documentaries, dramas, and less traditional forms. A substantial midterm paper, and a final project to be in the form of one of three potential possibilities subject to approval of proposal: a paper, a talk, a short film.

### DOCST276S - Writing American Politics

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<th>Subject</th>
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<tbody>
<tr>
<td>DOCST</td>
<td>276S</td>
<td>Writing American Politics</td>
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</table>

**Description**

Reading and writing intensive seminar focused on documentary works that document and discuss US politics and political movements. Engage and analyze historical and contemporary documentary media on the Populist movement, the long civil rights movement, the modern women’s movement, Black Lives Matter, Moral Mondays, and other social movements, as well as US elections and significant figures in US politics. Emphasis on 20th century. Course materials include historical writings, journalism, memoir, fiction, music, and film. Guided research on a US political phenomenon resulting in a 20-page final paper.

### DOCST278S - Producing Docu-Fiction

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<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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<tbody>
<tr>
<td>DOCST</td>
<td>278S</td>
<td>Producing Docu-Fiction</td>
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</tbody>
</table>

**Description**

Investigation of hybrid, genre-defying films that question traditional definitions of documentary and fiction. Emphasis on experimental forms, documentary reenactment, mockumentary and dramatized ‘true stories.’ Exploration of both documentary and fiction production techniques, culminating in the production of a final video project.

### DOCST279S - Docu-Poetry: Real Life Truths Outside and Inside the Poetic Narrative

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<th>Subject</th>
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<th>Title</th>
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<tbody>
<tr>
<td>DOCST</td>
<td>279S</td>
<td>Docu-Poetry: Real Life Truths Outside and Inside the Poetic Narrative</td>
</tr>
</tbody>
</table>

**Description**

Investigates written and oral poetry as a mode of documentary storytelling. Engage with contemporary and historical poetry examining real-life, historical events. Investigate relationship between history, documentary, and poetry. Write poems based on research with multiple forms of archival source material and critical interpretation thereof.

### DOCST281S - Cinematography

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<th>Subject</th>
<th>Catalog Number</th>
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<tr>
<td>DOCST</td>
<td>281S</td>
<td>Cinematography</td>
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</table>

**Description**

In-depth investigation of cinematographic techniques and principles for motion picture production. Exercises in both film and high definition digital video. Emphasis on advanced lighting techniques, lensing, camera mobility, set operations and close analysis of master works of cinematography.
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<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
<th>Description</th>
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<tbody>
<tr>
<td>DOCST</td>
<td>282AS</td>
<td>Studies in the United States Culture Industries</td>
<td>A survey of the major professions in the arts, media, and entertainment industries, featuring prominent speakers from fields such as studio and independent film and television, screenwriting, directing, producing, financing, acting, artist representation, journalism, marketing, animation, and music. Students apply theory and analysis to projects currently in production, observing live tapings, rehearsals, and screenings. Real-world case studies to examine how and why stories chosen for production shape and are shaped by societal values and discourse, domestic and global economies, and the greater world of the arts and media. Only offered on Duke in LA program.</td>
</tr>
<tr>
<td>DOCST</td>
<td>282S</td>
<td>Studies in the United States Culture Industries</td>
<td>A survey of the major professions in the arts, media, and entertainment industries, featuring prominent speakers from fields such as studio and independent film and television, screenwriting, directing, producing, financing, acting, artist representation, journalism, marketing, animation, and music. Students apply theory and analysis to projects currently in production, observing live tapings, rehearsals, and screenings. Real-world case studies to examine how and why stories chosen for production shape and are shaped by societal values and discourse, domestic and global economies, and the greater world of the arts and media.</td>
</tr>
<tr>
<td>DOCST</td>
<td>285S</td>
<td>Visiting Filmmaker Master Courses: Special Topics</td>
<td>Intensive production courses with visiting filmmaker. Topics vary by semester. May be taken twice.</td>
</tr>
<tr>
<td>DOCST</td>
<td>288S</td>
<td>Editing for Film and Video</td>
<td>Theory and practice of film and video editing techniques. Exploration of traditional film cutting as well as digital non-linear editing. Exercises in narrative, documentary and experimental approaches to structuring moving image materials.</td>
</tr>
<tr>
<td>DOCST</td>
<td>290</td>
<td>Special Topics in Documentary Studies</td>
<td>Topics vary each semester.</td>
</tr>
<tr>
<td>DOCST</td>
<td>290A</td>
<td>Special Topics in Documentary Studies: Study Abroad</td>
<td>Documentary Studies course taught in Duke-administered study abroad programs. Topics vary by semester.</td>
</tr>
</tbody>
</table>
## DOCST290S - Special Topics in Documentary Studies

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<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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<tbody>
<tr>
<td>DOCST</td>
<td>290S</td>
<td>Special Topics in Documentary Studies</td>
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</table>

Description
Topics vary each semester.

## DOCST291 - Independent Study

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<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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<tbody>
<tr>
<td>DOCST</td>
<td>291</td>
<td>Independent Study</td>
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</table>

Description
Supervision and guidance of individual, documentary production-based topics. Consent of director of undergraduate studies required.

## DOCST292 - Independent Study

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<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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<tbody>
<tr>
<td>DOCST</td>
<td>292</td>
<td>Independent Study</td>
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</table>

Description
Supervision and guidance of individual, documentary production-based topics. Consent of director of undergraduate studies required.

## DOCST293 - Research Independent Study

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<th>Subject</th>
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<th>Title</th>
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<tbody>
<tr>
<td>DOCST</td>
<td>293</td>
<td>Research Independent Study</td>
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</table>

Description
Supervision and guidance of research-based, individual topics. Consent of director of undergraduate studies required.

## DOCST294 - Research Independent Study

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<th>Subject</th>
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<th>Title</th>
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<tbody>
<tr>
<td>DOCST</td>
<td>294</td>
<td>Research Independent Study</td>
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Description
Supervision and guidance of research-based, individual topics. Consent of director of undergraduate studies required.

## DOCST295S - Arts Entrepreneurship

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<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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<tbody>
<tr>
<td>DOCST</td>
<td>295S</td>
<td>Arts Entrepreneurship</td>
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</tbody>
</table>

Description
Student teams work on specific arts-based entrepreneurial projects. Teams comprised of students from different backgrounds (arts, engineering, economics, computer science). Goals include creating business plan and launching ventures in areas of the arts. Structure an adaptation of Fuqua Program for Entrepreneurs. Ideal projects have real/positive impact on society. Students learn to situate artistic creativity within projects that meet societal need. Students from any background welcome to apply for enrollment. Must have interest in arts or working with artists in entrepreneurial context. Admission by permission of instructors.
**DOCST303 - History of Photography, 1839 to the Present**

**Subject**
DOCST

**Catalog Number**
303

**Title**
History of Photography, 1839 to the Present

**Description**
Major artists and movements in the history of the photographic medium, including visual and critical traditions inherited and manipulated by photographers, the ways photography participated in nineteenth- and twentieth-century art movements as well as documentation and social change, and critical photographic discourse throughout this period. Topics include the invention of photography, 'Art' photography and documentary photography in the nineteenth century, pictorialism, 'straight' and purist photography, photography and modernist art movements (dada, surrealism, Bauhaus, Russian avant-garde), twentieth-century documentary, and photography of the 1950s, 1960s, 1970s, 1980s, and 1990s.

**DOCST313S - Non-Profit Cultural Institutions**

**Subject**
DOCST

**Catalog Number**
313S

**Title**
Non-Profit Cultural Institutions

**Description**
Non-profit cultural institutions are an integral part of arts communities at all levels: national, regional, local. Through readings, projects and service-learning, students gain overview of non-profit cultural organization formation, management, operational structures, governance challenges, board member responsibilities and situational ethics. Explores historical and present functions and social structures in which nonprofit tax-exempt organizations operate. Investigates how nonprofit cultural institutions have increasingly become a vehicle for fostering creativity in the arts and humanities. Students partner with local non-profit arts/cultural organizations to work on specific projects.

**DOCST315DS - Environmental Issues & the Documentary Arts**

**Subject**
DOCST

**Catalog Number**
315DS

**Title**
Environmental Issues & the Documentary Arts

**Description**
Survey how filmmakers, authors, photographers, and other artists have brought environmental issues to the public’s attention in the last century, and in some cases instigated profound societal and political change. Examine the nebulous distinctions between persuasion and propaganda, agenda and allegory, point of view and content. Evolve as a viewer of the environment and a maker of documentary art. Initiate your own projects to address and/or depict environmental issues in one form of a broad range of media.

**DOCST315S - Environmental Issues & the Documentary Arts**

**Subject**
DOCST

**Catalog Number**
315S

**Title**
Environmental Issues & the Documentary Arts

**Description**
Survey how filmmakers, authors, photographers, and other artists have brought environmental issues to the public’s attention in the last century, and in some cases instigated profound societal and political change. Examine the nebulous distinctions between persuasion and propaganda, agenda and allegory, point of view and content. Evolve as a viewer of the environment and a maker of documentary art. Initiate your own projects to address and/or depict environmental issues in one form of a broad range of media.
DOCST317S - Veterans Oral History Project

Subject: DOCST
Catalog Number: 317S
Title: Veterans Oral History Project

Description:
Explore methods of oral history, specifically focusing on interviewing U.S. military veterans who have served during times of conflict. Weekly readings concerning ethics of oral history work and the particulars of interviewing veterans. Learn techniques for conducting successful oral history interviews and master technical skills involving recording equipment. Conduct multiple interviews with veterans throughout the semester. Discuss interviews and transcriptions with classmates. Assignments include written responses and a final presentation on conducted interviews. Includes a service-learning component involving work in the community.

DOCST318S - Photo Workshop

Subject: DOCST
Catalog Number: 318S
Title: Photo Workshop

Description:
Examines historical and contemporary photographic artists for whom a particular photographic technique is essential to the creation of their work. Investigates strategies of intentional lighting. Explores techniques most suited to the documentation of individual student's chosen subject matter and create a cohesive body of work by semester's end employing that strategy. May use digital or analog equipment. No textbooks are required, though students will need to budget a comparable amount for supplies. Instructor consent required. Prerequisite (any one of): DOCST 115S, 119S; ARTSVIS 115S, 119S; VMS 115S; or equivalent experience.

DOCST322S - American Independent Cinema

Subject: DOCST
Catalog Number: 322S
Title: American Independent Cinema

Description:
Examination of the emergence, establishment, and transformations of American indie film. Addresses main genres, key films and prominent directors by looking at the aesthetic characteristics of indie films, as well as the social and institutional contexts (primarily its relationship to Hollywood cinema) that led to the creation and important impact of this filmmaking practice. Topics include Midnight Movies of the 70s, New American Cinema, Trash Cinema, Art Cinema, Black Indie Cinema, New Queer Cinema, Generation X, Smart Cinema, Neo Noir, and the Pulp Fiction success story.

DOCST323S - Motion Graphics for Film and Video

Subject: DOCST
Catalog Number: 323S
Title: Motion Graphics for Film and Video

Description:
An exploration of techniques and theoretical approaches to motion graphics, animation and post-production effects in film and video. Readings and screenings will lead to student-produced exercises through exposure to applications in the Adobe Creative Cloud and digital editing software.
DOCST326 - The South in Black and White

Subject: DOCST
Catalog Number: 326
Title: The South in Black and White

Description: Focus on present-day and historical documentary traditions in American South, with an emphasis on call and response between black and white cultures. The arts and humanities as embedded in particular histories and cultures found in the South, and as performed in music and theater; and portrayed in documentary films, civil rights photography, Southern literature, and historical and autobiographical writing. Includes historical texts, oral histories and testimonies of living persons, along with documentary films, photographs, and writings from people in Durham and elsewhere in the region.

DOCST326S - The South in Black and White

Subject: DOCST
Catalog Number: 326S
Title: The South in Black and White

Description: Seminar with focus on present-day and historical documentary traditions in American South, with an emphasis on call and response between black and white cultures. The arts and humanities as embedded in particular histories and cultures found in the South, and as performed in music and theater; and portrayed in documentary films, civil rights photography, Southern literature, and historical and autobiographical writing. Includes historical texts, oral histories and testimonies of living persons, along with documentary films, photographs, and writings from people in Durham and elsewhere in the region.

DOCST327S - Migrations

Subject: DOCST
Catalog Number: 327S
Title: Migrations

Description: Climate refugees, exiles of war, economic migrants, expatriates seeking new opportunities, along with others compelled to flee their current circumstances and look for a new life, are moving across borders. Combine these movers with the billions of religious pilgrims, adventure travelers, and tourists, and we find a movement of humanity en masse in greater numbers than ever in the history of humanity. Combining literature on pilgrimage with travel memoirs and essays on travel, films on the act of walking, and multimedia explorations of refugee journeys, immigrant life, and border crossings, this course seeks to make sense of our unprecedented era of migration.

DOCST329S - Historical Documentary Production

Subject: DOCST
Catalog Number: 329S
Title: Historical Documentary Production

Description: Course examines how archival footage and photographs are used in historical documentaries about struggles for social equity in America. Iconic films will be reviewed to assess editors' strategies for employing archival material in documentaries on the labor movement, civil rights movement, anti-Vietnam war movement, and early lesbian and gay rights movement. Students will then conduct research for film footage and photographs and learn practical steps needed to acquire rights to use the material. During the second half of the semester, students will be guided in the production and editing of their own short historical documentary.
DOCST331S - Documenting US Women's Health Post-Roe v. Wade

Subject
DOCST

Catalog Number
331S

Title
Documenting US Women's Health Post-Roe v. Wade

Description
The overturning of Roe v. Wade in June 2022 led to the deaths of two women in South Carolina. One woman died from sepsis following self-instrumentation, and the second died after giving birth to a healthy baby. She began to hemorrhage; hospital administrators were afraid that the 'D&C' she needed to survive was too close to the abortion procedure. A physician team at Duke University Hospitals, led by Dr. Beverly Clark, began to see similar cases in North Carolina. The aim of this course is to document—in real time—the political and ethical dimensions of the situation that healthcare providers now find themselves in as they attempt to provide women the nationwide medical 'standard of care.'

DOCST332S - Farmworkers in North Carolina: Roots of Poverty, Roots of Change

Subject
DOCST

Catalog Number
332S

Title
Farmworkers in North Carolina: Roots of Poverty, Roots of Change

Description
Focus on those who bring food to our tables, particularly those who labor in the fields of North Carolina and the Southeast. Students will learn about farm work from the plantation system and slavery to sharecropping and up to the migrant and seasonal farmworker population today. Study and analysis of media representations of farmworkers and agricultural issues as well as historical and contemporary documentary work and its contributions to farmworker advocacy. Includes a service-learning component involving work in the community.

DOCST338S - Media and Indigenous Experiences

Subject
DOCST

Catalog Number
338S

Title
Media and Indigenous Experiences

Description
This course examines the relationship between media and Indigenous Peoples in American history. Course content focuses on the following: First, critical analysis of representations of Indigenous Peoples, politics, issues, and cultures in historical and contemporary mainstream media, including television, Hollywood films, popular music, and news media. Second, the ways media has been used by Indigenous media producers as a social and political platform to engage the non-Indigenous American public on Indigenous issues. Environmental issues and land rights issues play a large role in content of media examined in this course.

DOCST344S - Our Culinary Cultures

Subject
DOCST

Catalog Number
344S

Title
Our Culinary Cultures

Description
Documentary approach to the world of food using fieldwork research. Topics of food and its preparation examined through deep stories of how food is raised, prepared, and presented in order to explore how the myriad ways in which what we eat reveal key biographical, economic, religious, and other truths about our cultures. Introduces students to the history of food writing and the concept of food in general as a nonverbal tool of communication. Photography, audio, and documentary writing employed.
**DOCST350S - Documenting Black Experiences**

**Subject**
DOCST

**Catalog Number**
350S

**Title**
Documenting Black Experiences

**Description**
Explores how Black experiences have been documented and how crucial stories woven from real life get told. Students engage wide ranging contemporary and historical materials, including nonfiction, memoir, fiction, documentary and dramatic film, theater, poetry and music. Our aspirations are historical, but with an understanding that academic history, though irreplaceable, barely touches the range of storytelling that makes Black lives not only matter but transform the spaces in which they unfold. Our explorations are political, but in the largest sense—how Black power comes from making higher truth a tool, a weapon and a way of being.

**DOCST353S - Sound for Film and Video**

**Subject**
DOCST

**Catalog Number**
353S

**Title**
Sound for Film and Video

**Description**
Theory and practice of sound recording techniques and strategies for film and video. Focus on sound/image relationship, sound design and sound acquisition. Screenings and readings will reinforce practice exercises.

**DOCST354S - Web Design and Narrative: Artists, Documentarians, Art Historians, and Entrepreneurs**

**Subject**
DOCST

**Catalog Number**
354S

**Title**
Web Design and Narrative: Artists, Documentarians, Art Historians, and Entrepreneurs

**Description**
Professional practices course for students in creative fields without a computer science background: for artists and documentarians to create robust web-based portfolios; for art historians to showcase curatorial and scholarly projects; for entrepreneurs to demonstrate ideas, concepts, and products to the public. Develop customized, individual websites using CMS platforms. Hone and workshop artistic/curatorial/product statements. Develop teaching philosophies, exhibition imagery, and video documentation of artistic, curatorial, or product talks. Publish a blog magazine on arts and innovation topics. Guest speakers visit the course on a regular basis to review the students’ work.

**DOCST356S - Long-form Journalism**

**Subject**
DOCST

**Catalog Number**
356S

**Title**
Long-form Journalism

**Description**
Storytelling techniques of magazine journalism; reporting and writing strategies; historical and contemporary writing for magazines in print and digital formats. Students develop experience in different kinds of magazine writing. Approved as a practicum course required for the Policy, Journalism and Media Studies certificate.
**DOCST357S - 16mm Film Production**

**Subject**
DOCST

**Catalog Number**
357S

**Title**
16mm Film Production

**Description**
Hands-on experience with 16mm motion picture film and photography. In-depth exploration of the techniques and aesthetics of film production, including basic screen writing, lighting, storytelling, and editing.

**DOCST358S - Understanding Mediation**

**Subject**
DOCST

**Catalog Number**
358S

**Title**
Understanding Mediation

**Description**
Examines experience as always mediated. How do text mediate expression, or language mediate subjectivity? How do images mediate power, or sounds mediate resistance? How does computation mediate agency, or networks mediate thought? But also, how do nations mediate globalization, or oil mediate energy? And how do bodies mediate liveness, or the environment mediate history? Moves from particular media forms and examples (language, literature, the fine and performing arts, audiovisual media, computational media) to focus on key theoretical concepts and debates of critical theory from twentieth and twenty-first centuries. Crosses national boundaries to understand mediation from global perspective.

**DOCST359A - Introduction to Global Los Angeles: An Interdisciplinary Survey (Service-Learning)**

**Subject**
DOCST

**Catalog Number**
359A

**Title**
Introduction to Global Los Angeles: An Interdisciplinary Survey (Service-Learning)

**Description**
This course explores the complexities of global Los Angeles by focusing on issues that especially impact its marginalized communities. For the service-learning component, students volunteer at least 20 hours during the semester at nonprofit organizations engaged in the pursuit of social justice. This experience provides an opportunity to observe, participate in and reflect on the day-to-day implementation of social action, policy and organizing initiatives. As part of the volunteer commitment and in lieu of a final paper, students produce a documentary media project that communicates goals identified by and in collaboration with the community partner.

**DOCST363S - The Autobiographical Impulse in Photography**

**Subject**
DOCST

**Catalog Number**
363S

**Title**
The Autobiographical Impulse in Photography

**Description**
Study the autobiographical impulse in photography. Study and discuss methods of sequencing images and how these choices affect the photographic narrative. Interrogate subjective and ethical implications of the editorial process. Create autobiographical photographs and narratives. Study and discuss autobiographical narrative in the work of photography’s most renowned practitioners – From Alfred Stieglitz and Vivian Maier to Lee Friedlander and Carrie Mae Weems.
**DOCST364S - Art of the Interview**

**Description**
An exploration of the role of the interview as a core feature of modern American journalism, with focus on its development as a tool of inquiry, a cultural form and news-making event. Students will study examples of media coverage and produce projects involving interviews.

**DOCST365S - The Documentary Turn: Southern Culture**

**Description**
Traces the convergence of traditional 20th c. documentary narrative (oral history, photography, film, and ethnography) with emergent 21st c. technologies (digital platforms, crowd-sourced communications, viral information) that expand and test definitions of documentary practice. Course looks for unexpected outcomes and future possibilities at the intersections of analog and digital practice. Focus is on the cultures of the American South with an understanding of that region as mapped within a global imaginary. Requirements include experimental documentary project that combines storytelling (visual/literary), performance (theater/dance/music) or investigative research (oral/archival).

**DOCST367S - Video Journalism**

**Description**
Theories and concepts of television broadcasting; writing and editing for electronic media; issues of production. Students will produce a Web portfolio. Approved as a practicum course for the Policy, Journalism and Media Studies certificate.

**DOCST368S - The View Camera: Black and White Large Format Photography**

**Description**
Advanced, production-based photography course introduces students to the 4 x 5 large format view camera and its role in the documentary tradition. Learn to operate a view camera and attendant processes and materials to develop black and white sheet film and make silver gelatin contact prints from 4 x 5 negatives. Begins with focus on black and white negatives and contact prints. After demonstration of proficiency, students may optionally work in color film. Students produce a final portfolio of prints from their work throughout the semester. Class meetings consist of lectures, demonstrations, darkroom work, and critique of both process and final images.
DOCST369 - Podcasting in A Changing Media Landscape: The Art, Craft and Ethics of An Emerging Medium

Subject        Catalog Number  Title
DOCST           369

Description
Podcasting has exploded in recent years, with hundreds of thousands of shows in production and more than a fifth of Americans listening to podcasts at least weekly. This course will provide a hands-on introduction to the craft of podcasting, combined with critical reflection on various podcast forms. Students will consider the role of podcasts in the changing media equation, including the role of podcasts in local news. They will gain practice with the basics of podcast creation and will apply these lessons by creating podcast episodes focusing on the people, places, and issues of Durham, NC.

DOCST370S - The Environment in Literature, Law, and Science

Subject        Catalog Number  Title
DOCST           370S

Description
This class explores changing concepts of 'environment' and 'nature' in lit, law & policy, & science. Using the Duke Campus Farm, the campus, & surrounding areas, we trace those changes across historical periods and cultures, culminating in a consideration of the dismantling of Black Durham (red lining, 147) & the emergence of the Environmental Justice Movement (in Warren County, NC). We explore how those concepts are constructed through science, law & policy, & cultural forms, how those concepts shape our lived experience, & how an understanding of that process might lead to more productive debates in science, law & policy, & ethics, and to constructive social and environmental change.

DOCST371 - News as a Moral Battleground

Subject        Catalog Number  Title
DOCST           371

Description
Ethical inquiry into journalism and its effect on public discourse. Issues include accuracy, transparency, conflicts of interest and fairness. Topics include coverage of national security, government secrecy, plagiarism/fabrication, and trade-offs of anonymous sourcing.

DOCST375S - Recycled Cinema

Subject        Catalog Number  Title
DOCST           375S

Description
Found footage filmmaking, cinematic appropriation, the use of archival materials in documentaries, and current day internet mashups. Covering early cinema, experimental and documentary cinema, television, and the internet. Key emphasis on practice based assignments with a concurrent focus on the historical impact of the field from seminal moments to the contemporary moment through films and readings on the subject. Prerequisite: 100-level or above Visual Arts course, or permission of instructor.

DOCST390 - Special Topics in Documentary Studies

Subject        Catalog Number  Title
DOCST           390

Description
Topics vary each semester.

DOCST390S - Special Topics in Documentary Studies

Subject        Catalog Number  Title
DOCST           390S

Description
Topics vary each semester.
### DOCST391 - Independent Study

**Subject** | **Catalog Number** | **Title**  
--- | --- | ---  
DOCST | 391 | Independent Study  
**Description**  
Supervision and guidance of individual, documentary production-based topics. Consent of director of undergraduate studies required.

### DOCST392 - Independent Study

**Subject** | **Catalog Number** | **Title**  
--- | --- | ---  
DOCST | 392 | Independent Study  
**Description**  
Supervision and guidance of individual, documentary production-based topics. Consent of director of undergraduate studies required.

### DOCST393 - Research Independent Study

**Subject** | **Catalog Number** | **Title**  
--- | --- | ---  
DOCST | 393 | Research Independent Study  
**Description**  
Supervision and guidance of research-based, individual topics. Consent of director of undergraduate studies required.

### DOCST394 - Research Independent Study

**Subject** | **Catalog Number** | **Title**  
--- | --- | ---  
DOCST | 394 | Research Independent Study  
**Description**  
Supervision and guidance of research-based, individual topics. Consent of director of undergraduate studies required.

### DOCST440S - Black Frame: African American Documentary Film

**Subject** | **Catalog Number** | **Title**  
--- | --- | ---  
DOCST | 440S | Black Frame: African American Documentary Film  
**Description**  
This course examines black documentary film by drawing on The Full Frame Archive Film Collection. The Full Frame Documentary Film Festival is the largest film festival in the United States entirely devoted to documentary film. Students enrolled in this class will read canonic texts on the black documentary film, study camera techniques, explore the history of the Full Frame Festival, critique the role of race in social justice filmmaking and interact with documentary filmmakers.

### DOCST451S - Filming Art

**Subject** | **Catalog Number** | **Title**  
--- | --- | ---  
DOCST | 451S | Filming Art  
**Description**  
Practice-based production course examining the filmic realization and visualization of the artistic process. Screenings of bio-pics, documentaries and experimental films focusing on artists and various art forms complement readings and hands on production exercises that will prepare students to undertake their own short video portrait of an artist or work of art.
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<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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<tbody>
<tr>
<td>DOCST</td>
<td>453S</td>
<td>Cinematography II</td>
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<tr>
<td></td>
<td></td>
<td>Description: Course explores the approaches, strategies,</td>
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<td>motivations, and creative processes that inform</td>
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<td></td>
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<td>cinematography. Elements of cinematic style, visual</td>
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<td></td>
<td></td>
<td>imagination, and storytelling are discussed and</td>
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<td>explored through exercises. Students learn the</td>
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<td>relationships and responsibilities involved in the</td>
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<td>art, and are guided in the execution of the various</td>
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<td>canonical and extraordinary working methods involved</td>
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<td>in traditional, experimental, and modern</td>
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<td>cinematography. Suggested prerequisite: CINE 355S.</td>
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<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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<tbody>
<tr>
<td>DOCST</td>
<td>476S</td>
<td>Archiving and Visualizing Asia: Politics and Poetics of</td>
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<td></td>
<td>Knowledge Production</td>
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<td></td>
<td></td>
<td>Description: Engages students in the practices and</td>
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<td></td>
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<td>theories of archiving, documenting and curating</td>
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<td>marginal histories. Hands-on research in the archives</td>
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<td></td>
<td>of Duke’s Rubenstein Special Collections and elsewhere.</td>
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<td>Examines histories of movements and encounters between</td>
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<td>the ‘West’ and ‘Asia.’ Teaches original archival</td>
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<tr>
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<td>research and documentary methods through guided</td>
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<td></td>
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<td>excavations in digital, audiovisual, and material</td>
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<td>resources. Directed readings and special guest lectures</td>
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<td>guide students on how to think critically on the</td>
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<td>theories and praxis of knowledge production, collection,</td>
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<td>documentation, circulation, and consumption. Students</td>
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<td>curate projects for final research assignment.</td>
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<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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<tbody>
<tr>
<td>DOCST</td>
<td>480S</td>
<td>Capstone Seminar in Documentary Studies</td>
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<tr>
<td></td>
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<td>Description: Immersion in fieldwork-based inquiry and</td>
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<td>in-depth projects that serve as Certificate in</td>
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<td>Documentary Studies capstone experiences for students.</td>
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<td>Methods of documentary fieldwork, including participant</td>
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<td>observation, and modes of arts and humanities</td>
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<td>interpretation through a variety of mediums (including</td>
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<td>papers, film, photography exhibits, radio pieces, and</td>
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<td>performances). Consent of instructor and director of</td>
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<td>undergraduate studies required. Prerequisite:</td>
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<td>Documentary Studies 101 and four Documentary Studies</td>
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<td>electives.</td>
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<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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<tbody>
<tr>
<td>DOCST</td>
<td>490</td>
<td>Special Topics in Documentary Studies</td>
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<td></td>
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<td>Description: Topics vary each semester.</td>
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<tr>
<th>Subject</th>
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<th>Title</th>
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<tbody>
<tr>
<td>DOCST</td>
<td>490S</td>
<td>Special Topics in Documentary Studies</td>
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<tr>
<td></td>
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<td>Description: Topics vary each semester.</td>
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<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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<tbody>
<tr>
<td>DOCST</td>
<td>491</td>
<td>Independent Study</td>
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<td>Description: Supervision and guidance of individual,</td>
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<td>documentary production-based topics at an advanced level</td>
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<td>Consent of director of undergraduate studies required.</td>
</tr>
</tbody>
</table>
DOCST492 - Independent Study
Subject: DOCST
Catalog Number: 492
Title: Independent Study
Description:
Supervision and guidance of individual, documentary production-based topics at an advanced level. Consent of director of undergraduate studies required.

DOCST493 - Research Independent Study
Subject: DOCST
Catalog Number: 493
Title: Research Independent Study
Description:
Supervision and guidance of individual, research-based topics at an advanced level. Consent of director of undergraduate studies required.

DOCST494 - Research Independent Study
Subject: DOCST
Catalog Number: 494
Title: Research Independent Study
Description:
Supervision and guidance of individual, research-based topics at an advanced level. Consent of director of undergraduate studies required.

DOCST80S - Studies in Special Topics
Subject: DOCST
Catalog Number: 80S
Title: Studies in Special Topics
Description:
Opportunities for first-year students to engage with a specific issue in documentary studies, with emphasis on student writing. Topics vary each semester offered.

EAS190S - Special Topics
Subject: EAS
Catalog Number: 190S
Title: Special Topics
Description:
Opportunities to engage with a specific topic in East Asian Studies.

ECE110L - Fundamentals of Electrical and Computer Engineering
Subject: ECE
Catalog Number: 110L
Title: Fundamentals of Electrical and Computer Engineering
Description:
Students learn core ECE concepts, providing a foundation on which subsequent courses build. Concepts include techniques for analyzing linear circuits, semiconductor and photonic devices, frequency representation, filtering, combinational and sequential logic. Central to the course is an extensive design challenge that requires students to integrate knowledge across topics while honing practical design and project management skills. Course culminates in an exciting competition in which teams of robots race to overcome challenging obstacles using sensor data acquisition and processing. Prerequisite/corequisite: (Engineering 103L or Computer Science 201) and (Mathematics 112L or 22 or equivalent).

ECE110L9 - Fundamentals of Electrical and Computer Engineering - Lab
Subject: ECE
Catalog Number: 110L9
Title: Fundamentals of Electrical and Computer Engineering - Lab
Description:
Students learn core ECE concepts, providing a foundation on which subsequent courses build. Concepts include techniques for analyzing linear circuits, semiconductor and photonic devices, frequency representation, filtering, combinational and sequential logic. Central to the course is an extensive design challenge that requires students to integrate knowledge across topics while honing practical design and project management skills. Course culminates in an exciting competition in which teams of robots race to overcome challenging obstacles using sensor data acquisition and processing. Prerequisite/corequisite: (Engineering 103L or Computer Science 201) and (Mathematics 112L or 22 or equivalent).
### ECE230L - Introduction to Microelectronic Devices and Circuits

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<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>ECE</td>
<td>230L</td>
<td>Introduction to Microelectronic Devices and Circuits</td>
</tr>
</tbody>
</table>

**Description**
Introduction to semiconductor materials and their corresponding electronic devices and circuits. In lab, students will perform photolithography and characterize devices and circuits. Lecture will cover: underlying physics of semiconductor materials; operation of semiconductor devices, including diodes and transistors (MOSFETs); and application of MOSFETs into digital circuits. Students will understand basic operation of semiconductor devices in a way that is foundational for the expansive semiconductor industry. Prerequisite: (Engineering 103L or Computer Science 201) and (Physics 152L or 26) and (Electrical and Computer Engineering 110L or Biomedical Engineering 253L).

### ECE230L9 - Introduction to Microelectronic Devices and Circuits-Lab

<table>
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<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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<tbody>
<tr>
<td>ECE</td>
<td>230L9</td>
<td>Introduction to Microelectronic Devices and Circuits-Lab</td>
</tr>
</tbody>
</table>

**Description**
Introduction to semiconductor materials and their corresponding electronic devices and circuits. In lab, students will perform photolithography and characterize devices and circuits. Lecture will cover: underlying physics of semiconductor materials; operation of semiconductor devices, including diodes and transistors (MOSFETs); and application of MOSFETs into digital circuits. Students will understand basic operation of semiconductor devices in a way that is foundational for the expansive semiconductor industry. Prerequisite: (Engineering 103L or Computer Science 201) and (Physics 152L or 26) and (Electrical and Computer Engineering 110L or Biomedical Engineering 253L).

### ECE250D - Computer Architecture

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<tr>
<th>Subject</th>
<th>Catalog Number</th>
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<tbody>
<tr>
<td>ECE</td>
<td>250D</td>
<td>Computer Architecture</td>
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</table>

**Description**
Computer structure, assembly language, instruction execution, addressing techniques, and digital representation of data. Computer system organization, logic design, microprogramming, cache and memory systems, and input/output interfaces. Prerequisite: Computer Science 201.

### ECE270DL - Fields and Waves: Fundamentals of Information Propagation

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<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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<tbody>
<tr>
<td>ECE</td>
<td>270DL</td>
<td>Fields and Waves: Fundamentals of Information Propagation</td>
</tr>
</tbody>
</table>

**Description**
Introduces the concept of fields - a mathematical description of physical quantities that vary from place to place (and potentially from time to time) - and explores the mathematical & physical reasons that oscillatory behavior is so ubiquitous across engineering and physics. Introduces mathematical foundations, followed by specific examples in electrical circuits, electromagnetic waves, quantum mechanics, & acoustics as well as the connection to Fourier analysis methods. Intended to facilitate subsequent study in any area involving wave phenomena, including analog & microwave circuits, electromagnetics, optics, & quantum mechanics. Prerequisite: Physics 152L, Math 212 or 219 or 222, & ECE 110L.
ECE270L9 - Fields and Waves: Fundamentals of Information Propagation (Lab)

Subject: ECE  
Catalog Number: 270L9  
Title: Fields and Waves: Fundamentals of Information Propagation (Lab)

Description
Introduces the concept of fields—a mathematical description of physical quantities that vary from place to place (and potentially from time to time)—and explores the mathematical and physical reasons that oscillatory behavior is so ubiquitous across engineering and physics. Introduces the mathematical foundations, followed by specific examples in electrical circuits, electromagnetic waves, quantum mechanics, and acoustics as well as the connection to Fourier analysis methods. Intended to facilitate subsequent study in any area involving wave phenomena, including analog and microwave circuits, electromagnetics, optics, and quantum mechanics. Prerequisite: Physics 152L or 26, Mathematics 212 or 222, and ECE 110L.

ECE280L - Introduction to Signals and Systems

Subject: ECE  
Catalog Number: 280L  
Title: Introduction to Signals and Systems

Description
Introduction to signals, signal properties, systems, and system properties. Time and frequency domain analysis of signals and systems. Exploration of filtering, sampling, communication systems, image processing, and other real-world applications. Laboratory projects using signal processing tools to investigate real world scenarios. Computational analysis of one and two dimensional signals and systems. Prerequisite: (Engineering 103L or Computer Science 201) and Electrical and Computer Engineering 110L.

ECE280L9 - Signals and Systems - Lab

Subject: ECE  
Catalog Number: 280L9  
Title: Signals and Systems - Lab

Description
Continuous and discrete signal representation and classification; system classification and response; transfer functions. Fourier series; Fourier, Laplace, and z transforms. Applications to Integrated Sensing and Information Processing; networks, modulation, sampling, filtering, and digital signal processing. Laboratory projects using digital signal processing hardware and microcontrollers. Computational solutions of problems using Matlab and Maple. Prerequisite: (Engineering 103L or Computer Science 201) and (Electrical and Computer Engineering 110L or Biomedical Engineering 253L).

ECE290 - Special Topics in Electrical and Computer Engineering

Subject: ECE  
Catalog Number: 290  
Title: Special Topics in Electrical and Computer Engineering

Description
Study arranged on a special electrical and computer engineering topic in which the faculty has particular interest and competence as a result of research and professional activities. Instructor consent required.

ECE291 - Projects in Electrical and Computer Engineering

Subject: ECE  
Catalog Number: 291  
Title: Projects in Electrical and Computer Engineering

Description
Project arranged on a special topic by an instructor with related interests and expertise. For sophomore students. Consent of instructor and director of undergraduate studies required.

ECE292 - Projects in Electrical and Computer Engineering

Subject: ECE  
Catalog Number: 292  
Title: Projects in Electrical and Computer Engineering

Description
Project arranged on a special topic by an instructor with related interests and expertise. For sophomore students. Consent of instructor and director of undergraduate studies required.
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<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
<th>Description</th>
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<tbody>
<tr>
<td>ECE</td>
<td>330L</td>
<td>Fundamentals of Microelectronic Devices</td>
<td>Fundamentals of semiconductor device physics (semiconductor technology, dopants and carrier concentrations, carrier drift and diffusion, semiconductor equations, semiconductor device models). Principles of semiconductor device analysis (current-voltage and capacitance-voltage characteristics). Static, small-signal, and dynamic operation of semiconductor contacts, PN-junction diodes, MOS capacitors, MOS field-effect transistors (MOSFETs), and bipolar junction transistors (BJTs). SPICE models and parameter extraction. Fabrication and electrical characterization of MOS capacitors in the Shared Materials Instrumentation Facility (SMIF). Prerequisite: ECE 230L.</td>
</tr>
<tr>
<td>ECE</td>
<td>331L</td>
<td>Fundamentals of Microelectronic Circuits</td>
<td>Analysis and design of electronic circuits in bipolar and MOS technologies, with emphasis on both large-signal and small-signal methods. Circuits for logic gates, latches, and memories. Single-stage and multistage amplifiers and op amps. Circuits with feedback, including stability and frequency response considerations. Analog and mixed analog/digital circuit applications. Extensive use of SPICE for circuit simulation. Prerequisite: Electrical and Computer Engineering 230L.</td>
</tr>
<tr>
<td>ECE</td>
<td>340L</td>
<td>Optics and Photonics</td>
<td>Ray optics, wave optics, beam optics, resonators, atom-photons, interaction, interference, diffraction, polarization, lasers, light detection, electromagnetic optics. Laboratory experiments apply concepts in basic optics. Prerequisite: Electrical and Computer Engineering 270L or equivalent.</td>
</tr>
<tr>
<td>ECE</td>
<td>341L</td>
<td>Solar Cells</td>
<td>A broad overview of solar cells, including solar radiation, device theory, materials options, device fabrication and characterization, and system-level issues. Students participate in hands-on laboratory exercises related to the fabrication and characterization of organic, photovoltaic solar cells. Prerequisite: Physics 152L or equivalent.</td>
</tr>
<tr>
<td>ECE</td>
<td>350L</td>
<td>Digital Systems</td>
<td>Design and implementation of combinational and sequential digital systems with special attention to digital computers. The use of computer-aided design tools, hardware description languages, and programmable logic chips to facilitate larger and higher performance designs will be stressed. Laboratory exercises and group design projects will reinforce the various design techniques discussed in class. Prerequisite: Electrical and Computer Engineering 250D or Computer Science 250.</td>
</tr>
<tr>
<td>ECE</td>
<td>353</td>
<td>Introduction to Operating Systems</td>
<td>Basic concepts and principles of multiprogrammed operating systems. Processes, interprocess communication, CPU scheduling, mutual exclusion, deadlocks, memory management, I/O devices, file systems, protection mechanisms. Also taught as Electrical and Computer Engineering 353. Prerequisites: Computer Science 201; and either of Computer Science 210D, Computer Science 250D or Electrical and Computer Engineering 250D.</td>
</tr>
</tbody>
</table>
ECE356 - Computer Network Architecture

Subject: ECE  
Catalog Number: 356  
Title: Computer Network Architecture

Description: Introduces students to the fundamentals of computer networks. Focus on layered architecture of the network protocol stack. Case studies drawn from the Internet, combined with practical programming exercises. Concepts include the Internet architecture, HTTP, DNS, P2P, Sockets, TCP/IP, BGP, routing protocols, and wireless/mobile networking and their applications such as how to achieve reliable/secure communications over channels, how to find a good path through a network, how to share network resources among competing entities, how to find an object in the network, and how to build network applications. Prerequisite: ECE 250D, CompSci 210D or CompSci 250D.

ECE364 - Performance and Technology: Composition Workshop

Subject: ECE  
Catalog Number: 364  
Title: Performance and Technology: Composition Workshop

Description: Workshop exploration of technologies embedded in performance: robots, media, computer interface. Students create performance projects and discuss theoretical and historical implications of technologies in performance. Open to dancers, actors, musicians, spoken word artists and all those interested in technology and the arts. No previous experience or programming skills required.

ECE365 - Rainforest Engineering

Subject: ECE  
Catalog Number: 365  
Title: Rainforest Engineering

Description: An open-format project-based class for student team design with a focus on rainforests and related environments. Engages students in cross-disciplinary team challenges that teach them to work together with other students of differing backgrounds and skills. Design challenges are similar to the XPRIZE contests, or the NAE Grand Challenges. Prerequisite: Electrical and Computer Engineering 230L or 250D or 270DL or 280L or Mechanical Engineering 221L or Engineering 244L or Environment 102.

ECE370D - Intermediate Electromagnetic Theory

Subject: ECE  
Catalog Number: 370D  
Title: Intermediate Electromagnetic Theory

Description: Fundamentals of electrostatic and magnetostatic fields, including fields in matter, and magnetostatic forces. Boundary value problems, Maxwell's Equations, and propagation of electromagnetic waves. Fundamentals and application of transmission lines, waveguides, and antennas. Prerequisite: Electrical and Computer Engineering 270DL.

ECE380 - Introduction to Random Signals and Noise

Subject: ECE  
Catalog Number: 380  
Title: Introduction to Random Signals and Noise

Description: Introduction to probability and random processes with example applications to processing data with uncertainty. Probability, conditional probability, discrete & continuous random variables, expected values, characteristic functions, multiple random variables. Intro to random processes, random discrete-time signals, power spectrum, autocorrelation, analysis of linear systems driven by wide-sense stationary random processes. Gaussian random processes, band limited white Gaussian noise. Intro to binary hypothesis testing, Bayesian signal detection, applications involving uncertain & random signals & noise. Prerequisite: ECE 280L, Math 212 or 219.

ECE381 - Fundamentals of Digital Signal Processing

Subject: ECE  
Catalog Number: 381  
Title: Fundamentals of Digital Signal Processing

Description: An introduction to theory and applications of digital signal processing. Concepts, analytical tools and design techniques to process signals in digital form. Signal sampling and reconstruction, discrete-time transforms including the z-transform, discrete-time Fourier transform, and discrete Fourier transform. Discrete systems including the analysis and design of FIR and IIR filters. Introduction to applications of digital signal processing such as image processing, and optimal detection of signals in noise. Discrete system simulations using MATLAB. Prerequisite: Electrical and Computer Engineering 280L.
### ECE382L - Control of Dynamic Systems

**Subject:** ECE  
**Catalog Number:** 382L  
**Title:** Control of Dynamic Systems  

**Description:** Model dynamic systems, characterize time and frequency domain response with respect to particular inputs. Characterize systems in terms of rise-time, settling-time, bandwidth. Identify the difference between stable and unstable system. Apply feedback control to modify response of dynamic systems. Develop methods of designing compensators for single-input, single-output, and multiple-input, multiple-output dynamic systems. Introduces optimal control theory, the linear quadratic regulator problem, the linear quadratic Gaussian problem. Gain a physical understanding of role of feedback control in modifying the dynamics of a system. Prerequisite: (Engineering 224L or ECE 280L) and Mathematics 216. Not open to students who have taken ECE 382.

### ECE383 - Introduction to Robotics and Automation

**Subject:** ECE  
**Catalog Number:** 383  
**Title:** Introduction to Robotics and Automation  

**Description:** Fundamental notions in robotics, basic configurations of manipulator arm design, coordinate transformations, control functions, and robot programming. Applications of artificial intelligence, machine vision, force/torque, touch and other sensory subsystems. Design for automatic assembly concepts, tools, and techniques. Application of automated and robotic assembly costs, benefits, and economic justification. Selected laboratory and programming assignments. Prerequisites: ECE 280L or EGR 224L.

### ECE384LA - Sound in the Sea: Introduction to Marine Bioacoustics

**Subject:** ECE  
**Catalog Number:** 384LA  
**Title:** Sound in the Sea: Introduction to Marine Bioacoustics  

**Description:** Fundamentals of marine bioacoustics with a focus on current literature and conservation issues. Topics include: introduction to acoustics; acoustic analysis methods and quantitative tools; production and recording of sound; ocean noise; propagation theory; active and passive acoustics; hearing, sound production and communication in marine organisms, potential impacts of anthropogenic noise; and regulation of marine sound. Labs will focus on methodologies used for generating, recording and analyzing marine sounds. Taught in Beaufort at Duke Marine Lab. Prerequisite: AP Biology, introductory biology, or consent of instructor; Physics 141L or 164L (or equivalent Physics courses) or consent of instructor.

### ECE391 - Projects in Electrical and Computer Engineering

**Subject:** ECE  
**Catalog Number:** 391  
**Title:** Projects in Electrical and Computer Engineering  

**Description:** Project arranged on a special topic by an instructor with related interests and expertise. For junior students. Consent of instructor and director of undergraduate studies required.
ECE392 - Projects in Electrical and Computer Engineering
Subject: ECE
Catalog Number: 392
Title: Projects in Electrical and Computer Engineering

Description
Project arranged on a special topic by an instructor with related interests and expertise. For junior students. Consent of instructor and director of undergraduate studies required.

ECE420 - Introduction to Quantum Engineering
Subject: ECE
Catalog Number: 420
Title: Introduction to Quantum Engineering

Description
Quantum mechanics was discovered at the beginning of the 20th century and has had a profound effect on the development of modern technology. This course is about the potential for quantum technologies in the 21st century. The focus of the course this semester will be a survey of quantum computation, a field that promises to revolutionize the way we compute by using the dynamics of quantum mechanics. Topics include quantum circuits, introduction to quantum algorithms, hardware, and architectures. Prerequisite: ECE 270DL and ECE 280L and one of (Math 216, 218D-1, 218D-2, or 221). Not open to students who have taken ECE 520.

ECE431 - Power Electronic Circuits for Energy Conversion
Subject: ECE
Catalog Number: 431
Title: Power Electronic Circuits for Energy Conversion

Description
Efficient conversion of electrical energy is critical for electric and hybrid vehicles, wind and solar energy, power grids, computers, medical devices, and portables. This course teaches analysis and design of power electronic circuits for energy conversion, including circuit operation (converter topologies, steady-state modeling, switch realization), converter control (ac modeling, small-signal transfer functions, feedback), and magnetics (inductors, transformers). The course shares lectures with ECE/Energy Engineering 531, but has fewer assignments. Prerequisite: ECE 230L or Engineering 224L or graduate student standing. Not open to students who have taken ECE 531 or Energy Engineering 531.

ECE449 - Sensors and Sensor Interface Design
Subject: ECE
Catalog Number: 449
Title: Sensors and Sensor Interface Design

Description
Teams design board-level sensing system that achieves stated specifications. Analog, digital, wireless, optical & fluidic components. Resource planning/management, project budgeting, study of component specs & characteristics, vendor interaction, circuit schematic design & simulation, board layout, submission to foundry, component solder assembly, system test, comparison to design specs. Cost, economic viability, ethical & environmental issues, manufacturability considered. Prerequisite: ECE 230L, 250D, 270DL, and 280L & MATH 353 & (MATH 230 or ECE 555 or ECE 380 or STA 240L or EGR 238L or MATH 238L or MATH 340) & PHYS 152L & CHEM 101DL & one of (ECE 330L or ECE 331L or ECE 340L or ECE 350L).
ECE458 - Engineering Software for Maintainability

Subject: ECE  
Catalog Number: 458  
Title: Engineering Software for Maintainability

Description: Students will refine their ability to engineer software, with a focus on maintainability. Teams complete a large programming project whose requirements undergo evolutions during the semester. Prior to each evolution, teams submit not only their code for the current requirements, but also a written document analyzing their current design and reflecting on how past design choices impacted their most recent work. Teams must consider appropriate engineering standards and realistic constraints. Prerequisite: ECE 230L, 250D, 270DL, and 280L and (Computer Science 308 or 307D) and (Mathematics 353 or 356) and (Statistical Science 130L or Mathematics 230 or ECE 555 or ECE 380 or Statistical Science 240L or EGR 238L or Mathematics 340) and (Physics 152L or 26) and (Chemistry 101DL or 20 or 21).

ECE459 - Introduction to Embedded Systems

Subject: ECE  
Catalog Number: 459  
Title: Introduction to Embedded Systems

Description: An introduction to hardware/software codesign of embedded computer systems. Structured programming techniques for high and low level programs. Hardware interfacing strategies for sensors, actuators, and displays. Detailed study of Motorola 68HC11 and 68HC12 microcomputers as applied to embedded system development. Hardware and simulation laboratory exercises with 68HC11 and 68HC12 development boards. Major design project. Prerequisite: ECE 230L and 250D and 270DL and 280L and (ECE 350L, 331L, or 330L) and (Mathematics 353 or 356) and (Physics 152L or 26) and (Chemistry 101DL, 20, or 21) and (Statistical Science 130, Mathematics 230, ECE 555, ECE 380, Statistical Science 240L, Engineering 238L, or Mathematics 340).

ECE461 - Ocean Engineering

Subject: ECE  
Catalog Number: 461  
Title: Ocean Engineering

Description: A challenging Ocean Engineering project will be undertaken in this class. Past examples include participation in a national XPRIZE contest to build an Ocean Sensor. Students define project scope and form task-oriented sub-teams to make significant progress toward overall class project goal. Students are expected to spend several hours per week outside of class working on the team projects. Students will need to be in teams that can all meet for at least couple of hours at the same time each week. Prerequisite: one of ECE 230L, ECE 250D, ECE 270DL, ECE 280L, Mechanical Engineering 221L, Engineering 244L, or Environment 102.

ECE469 - Wearable and Ubiquitous Computing Systems Design

Subject: ECE  
Catalog Number: 469  
Title: Wearable and Ubiquitous Computing Systems Design

Description: Design, implement, and evaluate wearable and ubiquitous computing systems. Topics include challenges and constraints in wearable and ubiquitous computing, input/output devices, human-computer interaction, embedded systems, prototyping, machine learning with focus on activity and affect recognition, applications with focus on healthcare, ethics, and social impact; project management and planning as students work on a semester-long team-based multidisciplinary project. Prerequisite: ECE 350L, ECE 230L, 250D, 270DL, and 280L and (Math 353 or 356) and (Math 230 or ECE 555 or ECE 380 or StatSci 240L or EGR 238L or Math 340) and (Physics 152L or 26) and (Chem 101DL or 20 or 21).
ECE480 - Applied Probability for Statistical Learning

Subject: ECE
Catalog Number: 480
Title: Applied Probability for Statistical Learning

Description:
This course discusses topics in Bayesian probability and its application to foundations of statistical learning. The primary objectives of the course are to provide a mathematically rigorous foundation in Bayesian probability and inference, develop strong intuition for Bayesian constructs, provide a foundation in statistical learning, and to show how Bayesian methods are fundamental to a variety of modern statistical learning techniques. Topics include probabilistic reasoning, Bayesian inference, linear models, mixture models, and model selection.
Prerequisite: (Mathematics 216, 218, or 221) and (Statistical Science 130L, Statistical Science 240L, Mathematics 230, Mathematics 340, ECE 380, ECE 555, or EGR 238L) and (EGR 103L, Computer Science 101L, or Computer Science 201).

ECE485 - Digital Audio and Acoustic Signal Processing

Subject: ECE
Catalog Number: 485
Title: Digital Audio and Acoustic Signal Processing

Description:
Fundamental concepts, theory & practice of digital audio and acoustic signal processing. Concerning the process of transducing, digitizing, filtering, transforming, coding, storing, manipulating, transmitting, distributing, analyzing & reproducing high quality music and other acoustic signals. Topics: signal quantization, discrete-time signal analysis, audio digital filtering and equalization, hearing for audio applications, audio perceptual encoding (e.g. MP3), time and pitch-scale modification, room acoustics, audio spatial effects, 3-D audio rendition, basic microphone array processing. Prerequisite: ECE 280L and one of (Statistical Science 130L or Statistical Science 240L or Mathematics 230 or Mathematics 340 or ECE 380 or ECE 555 or Engineering 238L).

ECE483 - Introduction to Digital Communication Systems

Subject: ECE
Catalog Number: 483
Title: Introduction to Digital Communication Systems

Description:
Introduction to the design and analysis of modern digital communication systems. Communication channel characterization. Baseband and passband modulation techniques. Optimal demodulation techniques with performance comparisons. Key information-theoretic concepts including entropy and channel capacity. Channel coding techniques based on block, convolutional and Trellis codes. Equalization techniques. Applications to design of digital telephone modems, compact discs and digital wireless communication systems.
Prerequisite: ECE 280L and one of (Statistical Science 130L or Statistical Science 240L or Mathematics 230 or Mathematics 340 or ECE 380 or ECE 555 or Engineering 238L).

ECE487 - System Design for Machine Learning and Signal Processing

Subject: ECE
Catalog Number: 487
Title: System Design for Machine Learning and Signal Processing

Description:
Small groups work through design process for a machine learning &/or signal processing system. Brainstorming ideas, reviewing modern techniques in ML & SP, choosing & implementing projects. Use of modern collaboration tools & techniques that allow agile collaborative group design & development, consideration of resources, delivery of written & oral presentations, consideration of appropriate engineering standards & realistic constraints. Prerequisites: ECE 230L & 250D & 270DL & 280L & (MATH 353 or 356) & (STA 130 or 240L, MATH 230, 238L or 340, ECE 380 or 555 or EGR 238L) & (PHYSICS 26 or 152L) & (CHEM 101DL, 20 or 21) & two of (ECE 381, 382L, 383, 480, 483, 485, 488, 580, 588, 681, 682D, 685D or 687D).
**ECE488 - Digital Image and Multidimensional Processing**

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<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>ECE</td>
<td>488</td>
<td>Digital Image and Multidimensional Processing</td>
</tr>
</tbody>
</table>

**Description**

Introduction to the theory and methods of digital image and video sampling, denoising, coding, reconstruction, and analysis. Both linear methods (such as 2- and 3-D Fourier analysis) and non-linear methods (such as wavelet analysis). Key topics include segmentation, interpolation, registration, noise removal, edge enhancement, halftoning, and feature extraction. While this course covers techniques used in a wide variety of contexts, it places a strong emphasis on medical imaging applications.

Prerequisite: Electrical and Computer Engineering 280L.

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**ECE489 - Advanced Robot System Design**

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<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>ECE</td>
<td>489</td>
<td>Advanced Robot System Design</td>
</tr>
</tbody>
</table>

**Description**

Teams of students will design, implement, and integrate a robotic system to perform intelligent physical tasks. Example tasks might include navigation, coordinated movement, or object manipulation, among others. Perception, control, and artificial intelligence software will be applied to operate sensing and actuation hardware. Robot middleware for distributed system integration. Simulation prototyping, unit testing, and metrics for performance evaluation. Major design project. Prerequisite: ECE 230L, 250D, 270DL, 280L, and 383 and (ECE 353/Computer Science 310 or ECE 356/Computer Science 356 or ECE 382L) and (Mathematics 353 or 356) and (Statistical Science 130L or Mathematics 230 or ECE 555 or ECE 380 or Statistical Science 240L or EGR 238L or Mathematics 340) and (Physics 152L or 26) and (Chemistry 101DL or 20 or 21).

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**ECE490D - Special Topics in Electrical and Computer Engineering**

<table>
<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>ECE</td>
<td>490D</td>
<td>Special Topics in Electrical and Computer Engineering</td>
</tr>
</tbody>
</table>

**Description**

Study arranged on a special electrical and computer engineering topic in which the faculty has particular interest and competence as a result of research and professional activities. Instructor consent required.

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**ECE490L - Special Topics in Electrical and Computer Engineering**

<table>
<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECE</td>
<td>490L</td>
<td>Special Topics in Electrical and Computer Engineering</td>
</tr>
</tbody>
</table>

**Description**

Study arranged on a special electrical and computer engineering topic in which the faculty has particular interest and competence as a result of research and professional activities. Instructor consent required.

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**ECE493 - Projects in Electrical and Computer Engineering**

<table>
<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECE</td>
<td>493</td>
<td>Projects in Electrical and Computer Engineering</td>
</tr>
</tbody>
</table>

**Description**

Project arranged on a special topic by an instructor with related interests and expertise. For senior students. Consent of instructor and director of undergraduate studies required.

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**ECE494 - Projects in Electrical and Computer Engineering**

<table>
<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>ECE</td>
<td>494</td>
<td>Projects in Electrical and Computer Engineering</td>
</tr>
</tbody>
</table>

**Description**

Project arranged on a special topic by an instructor with related interests and expertise. For senior students. Consent of instructor and director of undergraduate studies required.
<table>
<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECE</td>
<td>495</td>
<td>Special Topics in Electrical and Computer Engineering</td>
<td>Study of selected topics in electrical engineering tailored to fit the requirements of a small group. Consent of instructor and director of undergraduate studies required.</td>
</tr>
<tr>
<td>ECE</td>
<td>496</td>
<td>Special Topics in Electrical and Computer Engineering</td>
<td>Study of selected topics in electrical engineering tailored to fit the requirements of a small group. Consent of instructor and director of undergraduate studies required.</td>
</tr>
<tr>
<td>ECON</td>
<td>101</td>
<td>Economic Principles</td>
<td>Basic microeconomic concepts such as demand and supply, market structures, pricing and equilibrium. Conditions for market efficiency, and approaches to addressing market failures from externalities, asymmetric information and market power. Tensions between efficiency and equity. Macroeconomic concepts such as inflation, unemployment, trade, economic growth and development. Different perspectives on issues of monetary and fiscal policy. Emphasis on public policy issues and the logic behind the economic way of thinking. Open to all students.</td>
</tr>
<tr>
<td>ECON</td>
<td>101D</td>
<td>Economic Principles</td>
<td>Basic microeconomic concepts such as demand and supply, market structures, pricing and equilibrium. Conditions for market efficiency, and approaches to addressing market failures from externalities, asymmetric information and market power. Tensions between efficiency and equity. Macroeconomic concepts such as inflation, unemployment, trade, economic growth and development. Different perspectives on issues of monetary and fiscal policy. Emphasis on public policy issues and the logic behind the economic way of thinking. Open to all students.</td>
</tr>
<tr>
<td>ECON</td>
<td>104D</td>
<td>Statistical Foundations of Econometrics and Data Science</td>
<td>Rigorous introduction to statistical concepts that underpin econometrics. Course emphasizes conceptual understanding, uses mathematics to illustrate ideas, and applies ideas to examples from economics broadly construed. Students analyze data to reinforce understanding. Topics include experimental and non-experimental research designs; modern approaches to summarizing data; random variables, probability, expectations, density and distribution functions; sampling; estimation; inference and hypothesis testing; introduction to linear regression. First course in two-semester econometrics sequence. Prerequisite: Mathematics 21, 106L, 111L, 112L, 121, 122, 122L, 202, 202D, 212, or 222.</td>
</tr>
<tr>
<td>ECON</td>
<td>112FS</td>
<td>Globalization and Corporate Citizenship</td>
<td>Are corporations citizens? And if so who defines their rights and responsibilities? To whom are they obligated? This course will critically examine the origins and diffusion of increasingly prevalent notions of corporate citizenship and corporate social responsibility from an anthropological perspective. Particular emphasis will be upon corporate environmental and conservation policies in East Africa and the United States. Open only to students in the Focus Program. Director of undergraduate studies consent required.</td>
</tr>
</tbody>
</table>
ECON113FS - Thinking Through Models
Subject: ECON  
Catalog Number: 113FS  
Title: Thinking Through Models  
Description: Models of agents, behaviors, mechanisms and markets are essential to the way economists think about and describe the world. This course examines several of the models that have been most crucial to the development of economic thought from the early nineteenth century through to the present. Students will learn to understand how economists have used models as tools of inquiry and prediction, assess the functional elements of these models and consider how accurately they map on to the empirical phenomena they describe. Open only to students in the Focus Program.

ECON119 - Introduction to Political Economy
Subject: ECON  
Catalog Number: 119  
Title: Introduction to Political Economy  
Description: Introduction to history of political economy. Three components: (1) history of economic thought as outgrowth of moral philosophy; (2) microeconomics and price theory; (3) macroeconomics and monetary policy. Intended as an economics course for non-majors. No prerequisite except high school mathematics. Does not count toward Economics major or minor.

ECON119D - Introduction to Political Economy
Subject: ECON  
Catalog Number: 119D  
Title: Introduction to Political Economy  
Description: Introduction to history of political economy. Three components: (1) history of economic thought as outgrowth of moral philosophy; (2) microeconomics and price theory; (3) macroeconomics and monetary policy. Intended as an economics course for non-majors. No prerequisite except high school mathematics. Does not count toward Economics major or minor.

ECON174 - Financial Accounting
Subject: ECON  
Catalog Number: 174  
Title: Financial Accounting  
Description: Introductory course in financial accounting. How and why information is created and communicated. Purposes of financial accounting. Bookkeeping for basic business transactions that map into the statements. Analyze corporate reports. Interpret key financial information. Course is designed for students with little or no background in accounting. Does not count for economics major or minor requirements.

ECON182FS - Beyond Denial - A Thriving Future
Subject: ECON  
Catalog Number: 182FS  
Title: Beyond Denial - A Thriving Future  
Description: Part of the Focus cluster "It's Not Too Late to Build a Better World," requires permission. What are the roots of the climate crisis or unparalleled inequality? This course explores big ideas as well as specific models that envision a radically different future, one that provides for the common good within our given biophysical limits, including discourses such as post-growth, wellbeing, and care economics; eco-feminism; eco-anarchism; decolonization; ecological justice; and commoning. A reading and discussion intensive course that uses an interdisciplinary approach and includes elements of research, individual and group presentations, as well as a writing requirement.

ECON190 - Selected Topics In Economics
Subject: ECON  
Catalog Number: 190  
Title: Selected Topics In Economics  
Description: Topics vary by semester.
<table>
<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECON</td>
<td>190A</td>
<td>Duke Administered Study Abroad: Special Topics in Economics</td>
<td>Topics differ by section.</td>
</tr>
<tr>
<td></td>
<td>190AS</td>
<td>Duke Administered Study Abroad: Special Topics in Economics</td>
<td>Topics differ by section.</td>
</tr>
<tr>
<td>ECON</td>
<td>190FS</td>
<td>Focus Program Topics in Economics</td>
<td>Open only to students in the Focus Program. Topics vary each semester offered.</td>
</tr>
<tr>
<td></td>
<td>190S</td>
<td>Selected Topics in Economics</td>
<td>Topics differ by section. Check individual semester offerings for prerequisites.</td>
</tr>
<tr>
<td>ECON</td>
<td>190S-1</td>
<td>Selected Topics In Economics</td>
<td>Topics differ by section. Check individual semester offerings for prerequisites.</td>
</tr>
<tr>
<td></td>
<td>201</td>
<td>Intermediate Microeconomics I</td>
<td>Preferences and technologies and their relation to demand, supply and competitive equilibrium. The basic math behind constrained optimization. Income and substitution effects and their relation to demand and marginal willingness to pay. Cost functions and profit maximization. Policy and civil society approaches to market failures from externalities, asymmetric information and market power. Introduction to game theory and applications to market structures. Tension between efficiency and equity. Prerequisite: (Economics 21 and 22) or (Economics 101 or 101D) and either (Mathematics 105L and 106L) or (Mathematics 21, 111L, 112L, 121, 122, 122L, 202, 212, or a higher level math course).</td>
</tr>
</tbody>
</table>
ECON201D - Intermediate Microeconomics I

**Subject**
ECON

**Catalog Number**
201D

**Title**
Intermediate Microeconomics I

**Description**
Preferences and technologies and their relation to demand, supply, and competitive equilibrium. The basic math behind constrained optimization. Income and substitution effects and their relation to demand and marginal willingness to pay. Cost functions and profit maximization. Policy and civil society approach to market failures from externalities, asymmetric information, and market power. Introduction to game theory and applications to market structures. The tension between efficiency and equity. Prerequisite: (Economics 101 or 101D) and either (Mathematics 105L and 106L) or (Mathematics 21, 111L, 112L, 121, 122, 122L, 202, 212, or a higher level math course).

ECON204D - Econometrics and Data Science

**Subject**
ECON

**Catalog Number**
204D

**Title**
Econometrics and Data Science

**Description**
This course develops critical-thinking skills necessary to analyze and interpret real world data using modern data science and econometric methods. Students learn to be consumers and producers of empirical research in the sciences. Develop sophisticated understanding of both theoretical underpinnings and challenges in implementation of empirical methods to effectively evaluate quality of evidence and validity of causal inferences. Applications are primarily drawn from economic studies of individuals, firms and markets. Prerequisite: (ECON 21 and 22, ECON 23 and 24, ECON 101, ECON 101D, or ECON 201D) and (ECON 104D or STA 230/MATH 230, STA 231/MATH 340, or STA 432/MATH 343).

ECON205D - Intermediate Microeconomics II

**Subject**
ECON

**Catalog Number**
205D

**Title**
Intermediate Microeconomics II

**Description**
Calculus-based generalization of the theory of demand and supply developed in Economics 201D. Individual behavior in environments of risk and uncertainty. Introduction to game theory and strategic interaction. Adverse selection, moral hazard, non-competitive market structures, externalities, public goods. Prerequisite: Economics 201D; Mathematics 202, 212, 222, or any higher-level mathematics course with Mathematics 212 as a prerequisite.

ECON21 - Principles of Microeconomics

**Subject**
ECON

**Catalog Number**
21

**Title**
Principles of Microeconomics

**Description**
This is the equivalent for Principles of Microeconomics from Advanced Placement on the basis of a score of 4 or 5 on the Advanced Placement Microeconomics exam, or credit for a sufficient score on a Duke-recognized international examination such as the International Baccalaureate. Only Economics 21 and Economics 22 together substitute for Economics 101.
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<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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<tbody>
<tr>
<td>ECON</td>
<td>210D</td>
<td>Intermediate Macroeconomics</td>
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</table>

**Description**

Intermediate level treatment of macroeconomic models, fiscal and monetary policy, inflation, unemployment, economic growth. Prerequisite: Economics 201D.

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<th>Subject</th>
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<th>Title</th>
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<tbody>
<tr>
<td>ECON</td>
<td>212</td>
<td>Engineering Systems Optimization and Economics</td>
</tr>
</tbody>
</table>

**Description**

Introduction to mathematical optimization, engineering economic analysis, and other decision analysis tools used to evaluate and design engineering systems. Application of linear and nonlinear programming, dynamic programming, expert systems, simulation and heuristic methods to engineering systems design problems. Applications discussed include: production plant scheduling, water resources planning, design and analysis, vehicle routing, resource allocation, repair and rehabilitation scheduling and economic analysis of engineering design alternatives. Pratt students may not use this course toward the SS/H degree requirement. Corequisite: Mathematics 216.

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<th>Title</th>
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<tr>
<td>ECON</td>
<td>213</td>
<td>Follow the Ruble: Money in Russian Literature and Culture</td>
</tr>
</tbody>
</table>

**Description**

Reading Russian literature through the lens of economics. Money as a driving plot principle in fiction from the 1600s to the present day. The profit motive underlying Russian artistic depictions of criminality. Gamblers, rogues, smugglers, thieves, tycoons, oligarchs, and 'New Russian' entrepreneurs as protagonists. Swindling and black marketeering as the underside of an economic system that condemns capitalism and the 'middle man.' Financial dealings as a battlefield between Russian and Western cultural values. Students are encouraged to do course projects applying economic analytical models to literary texts and films.

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<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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<tr>
<td>ECON</td>
<td>22</td>
<td>Principles of Macroeconomics</td>
</tr>
</tbody>
</table>

**Description**

This is the equivalent for Principles of Macroeconomics from Advanced Placement on the basis of a score of 4 or 5 on the Advanced Placement Macroeconomics exam, or credit for a sufficient score on a Duke-recognized international examination such as the International Baccalaureate. Only Economics 21 and Economics 22 together substitute for Economics 101.

**Description**
Why do economics departments teach the theories they teach today? And how do these theories impact the real world? This course surveys the historical development of the economics discipline with a focus on those schools of thought that contested what is now mainstream economics. After a brief history of neoclassical economics, we will examine a few of its challengers: institutional economics, Keynesianism, and behavioral economics. We will discuss how their theories differ from neoclassicism, and their influence on US economic policy at several moments in the twentieth century. Course focuses on understanding theory by reading works by influential economists throughout the history of economics.

ECON225S - Liberalism and its Critics

**Subject**  ECON  
**Catalog Number**  225S  
**Title**  Liberalism and its Critics

**Description**
Examines development of liberalism within political philosophy and economics, and alternatives as articulated by conservative, progressive and socialist critics. Course examines doctrines themselves and place within historical context in which they emerged. Liberal tradition represented by such thinkers as Locke, Hume, Smith, Paine, Constant, J. S. Mill, Hayek and Friedman. Conservative critics will include such writers as Burke, de Maistre, Papal Encyclicals, Carlyle, Meyer, Kirk, Scruton, and Deneen. Socialist and progressive critics will include Saint Simon, Marx and Engels, Sidney and Beatrice Webb, Veblen, Lange, Laski, and Marcuse. Course is part of ‘Transformative Ideas’ curriculum.

ECON227 - Internet, Technology, and Capitalism

**Subject**  ECON  
**Catalog Number**  227  
**Title**  Internet, Technology, and Capitalism

**Description**
This course will explore the role of the internet and new technologies in our society. We will examine the history of the rise of the computer age, and then cover questions that include surveillance and algorithmic targeting; cybercommerce and crypto; AI and robots; social media and celebrity; labor rights and profit-making; and the changing nature of daily life in a wireless world. There will be several guest speakers as well as readings, films, and other content.

ECON23 - Principles of Microeconomics

**Subject**  ECON  
**Catalog Number**  23  
**Title**  Principles of Microeconomics

**Description**
This is the equivalent for Principles of Microeconomics taken at another school or Duke-In Program. Only Econ 23 and Econ 24 together substitute for Econ 101.
ECON235 - Risk

Subject: ECON  
Catalog Number: 235  
Title: Risk  

Description
Simply put, risk is ‘the possibility of something bad happening.’ Defined in this way, increased attentiveness to risk has the potential to be paralyzing because it is present in nearly every aspect of human existence. This course, organized by the Duke Center on Risk, capitalizes on this ubiquity by bringing together ideas and approaches from all corners of the university. A unifying perspective is the recognition that risk involves elements of both chance (‘possibility’) and value (‘something bad’). Therefore, students will learn the languages of probability and economics within the cultural settings of public policy, law, engineering, business, and medicine.

ECON24 - Principles of Macroeconomics

Subject: ECON  
Catalog Number: 24  
Title: Principles of Macroeconomics  

Description
This is the equivalent for Principles of Macroeconomics taken at another school or Duke-In Program. Only Econ 23 and Econ 24 together substitute for Econ 101.

ECON241D - From Machine Learning to Ethnography: Puzzles and Approaches to International Development

Subject: ECON  
Catalog Number: 241D  
Title: From Machine Learning to Ethnography: Puzzles and Approaches to International Development  

Description
This is an introductory course in applied social science that examines policy issues in developing countries, with a focus on applied research and statistical methods. The objectives of the course are threefold: 1) to introduce students to a range of topics and puzzles in international development; 2) to introduce the broad range of research methods that social scientists use to rigorously study development; and 3) to apply those tools to topics and data that you care about.

ECON246S - Arts Policy, Leadership, and Engagement

Subject: ECON  
Catalog Number: 246S  
Title: Arts Policy, Leadership, and Engagement  

Description
This community-engaged course provides an introduction to contemporary issues in US arts policy and cultural sector leadership across four broad themes: creative institutions; cultural equity and accessibility; creative placemaking/community development; and the creative economy. In addition to policy questions in these areas, we examine leadership practices in arts organizations and cultural institutions, with particular attention to the kinds of leadership the arts require in a post-2020 world. Students will work in teams on a semester-long collaborative project with an arts policy organization and experience the arts in practice through attendance at performances and exhibitions.
### ECON247S - Non-Profit Cultural Institutions

**Subject**: ECON  
**Catalog Number**: 247S  
**Title**: Non-Profit Cultural Institutions  

**Description**  
Non-profit cultural institutions are an integral part of arts communities at all levels: national, regional, local. Through readings, projects and service-learning, students gain overview of non-profit cultural organization formation, management, operational structures, governance challenges, board member responsibilities and situational ethics. Explores historical and present functions and social structures in which nonprofit tax-exempt organizations operate. Investigates how non-profit cultural institutions have increasingly become a vehicle for fostering creativity in the arts and humanities. Students partner with local non-profit arts/cultural organizations to work on specific projects.

### ECON247S - Shakespeare & Financial Markets: Why This Time is Never Different

**Subject**: ECON  
**Catalog Number**: 255S  
**Title**: Shakespeare & Financial Markets: Why This Time is Never Different  

**Description**  
Course discusses how lessons from Shakespeare’s plays can provide insight into human behavior in today’s financial markets. Plays will include Hamlet, Julius Caesar, Twelfth Night, and others. Lessons about policy errors, cultural and political dislocation, regime changes, demographic conflicts, etc. in current financial and macroeconomic environments. Discussion will include human biases in decision-making, and how these transcend cultural and historic boundaries. An important component of this class is understanding how to integrate themes from classical literature to better understand current socioeconomic trends.

### ECON254 - Personal Finance

**Subject**: ECON  
**Catalog Number**: 254  
**Title**: Personal Finance  

**Description**  
Course covers fundamentals of personal financial management: how to create and stay within a budget; how debit and credit cards work; how to borrow, manage, and pay off student debt; how to build a credit history to obtain the best possible rates on future loans (such as mortgages); best practices for cybersecurity; how to manage taxes; and how to invest for the future. Typical irrational behaviors common to financial decision-making such as prospect theory and framing errors will be introduced, and strategies to avoid them discussed. Changing dynamics of the financial services industry as a result of ongoing disruptive innovation (‘FinTech’) are also addressed.

### ECON256 - Practical Financial Markets

**Subject**: ECON  
**Catalog Number**: 256  
**Title**: Practical Financial Markets  

**Description**  
Familiarizes students with the practical, hands-on tools and knowledge required for careers in the financial markets. Topics covered include: securities markets; corporate valuation techniques including DCF, Comp, Precedent Transactions, LBO and IPO models; equity research methodologies; asset allocation and risk-return analytics; current market news and events; regulation; ethics; contemporary finance/business issues as applicable. Open only to sophomores.
<table>
<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECON</td>
<td>260A</td>
<td>Economics of a United Europe</td>
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<tr>
<td></td>
<td></td>
<td><strong>Description</strong></td>
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<tr>
<td></td>
<td></td>
<td>Implications of a common monetary policy, common welfare standards, unemployment, and migration in the European Union. (Taught only in the Duke-in-Berlin Program.)</td>
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<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>ECON</td>
<td>270</td>
<td>Life Within Capitalism: A History of its Values, Measures and Struggles</td>
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<tr>
<td></td>
<td></td>
<td><strong>Description</strong></td>
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<tr>
<td></td>
<td></td>
<td>Examination of how capitalism has profoundly shaped people’s ethical values, with focus on United States. Investigates central developments behind history of capitalism; explores key struggles that led to formation of capitalist logic (choices, values, goals); traces impact of capitalist goals and measures on ethical values and choices; examines discussions about possible future developments within capitalism.</td>
</tr>
</tbody>
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<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>ECON</td>
<td>273</td>
<td>Amazon.com and the Cybereconomy</td>
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<tr>
<td></td>
<td></td>
<td><strong>Description</strong></td>
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<td></td>
<td></td>
<td>This course will introduce students to the complexities and controversies around the meteoric growth of the digital economy, with a focus on the biggest company of them all, Amazon. We will examine questions that range from labor conditions and consumerism to data harvesting, algorithmic marketing, and monopoly concerns. By drawing on insights from cultural anthropology, economics, history, and other disciplines, the course will give students a new understanding of how e-commerce is changing the structure of our economy, society, and everyday lives. Students will do an individual research project on some aspect of Amazon for a final project.</td>
</tr>
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<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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<tbody>
<tr>
<td>ECON</td>
<td>274</td>
<td>Advanced Financial and Managerial Accounting</td>
</tr>
<tr>
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<td></td>
<td><strong>Description</strong></td>
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<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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<tbody>
<tr>
<td>ECON</td>
<td>281A</td>
<td>Building and Sustaining a Successful Enterprise</td>
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<td></td>
<td></td>
<td><strong>Description</strong></td>
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<tr>
<td></td>
<td></td>
<td>In this Duke in Silicon Valley course, students will develop an understanding of the resources, skills, and planning required to launch a new product or service. Through lectures, case studies, and visiting talks, the course addresses critical factors such as: ideation, competition and competitive advantage, financing requirements, corporate culture, product positioning, customer identification, and market segmentation. Director of undergraduate studies consent required.</td>
</tr>
</tbody>
</table>

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<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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<tr>
<td>ECON</td>
<td>281</td>
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</tr>
</tbody>
</table>
### ECON285 - Denial, Faith, Reason: Sustainability and Survival

<table>
<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECON</td>
<td>285</td>
<td>Denial, Faith, Reason: Sustainability and Survival</td>
</tr>
</tbody>
</table>

**Description**
This course investigates both the theory and history of the concept of sustainability, and explores its various economic and political manifestations over time. What are the historical roots of the sustainability debate? What aspects of life do various concepts of sustainability entail, and how do they inform modern ethics? What, in the end, does the history of political economics teach us about the possibility of sustainable development?

### ECON290 - Selected Topics In Economics

<table>
<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECON</td>
<td>290</td>
<td>Selected Topics In Economics</td>
</tr>
</tbody>
</table>

**Description**
Topics vary each semester offered.

### ECON290-1 - Selected Topics In Economics

<table>
<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECON</td>
<td>290-1</td>
<td>Selected Topics In Economics</td>
</tr>
</tbody>
</table>

**Description**
Topics vary each semester offered.

### ECON290A - Duke-Administered Study Abroad: Special Topics in Economics

<table>
<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECON</td>
<td>290A</td>
<td>Duke-Administered Study Abroad: Special Topics in Economics</td>
</tr>
</tbody>
</table>

**Description**
Topics differ by section. Check individual semester offerings for prerequisites.

### ECON290AS - Duke-Administered Study Abroad: Special Topics in Economics

<table>
<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECON</td>
<td>290AS</td>
<td>Duke-Administered Study Abroad: Special Topics in Economics</td>
</tr>
</tbody>
</table>

**Description**
Topics differ by section. Check individual semester offerings for prerequisites.

### ECON290S - Selected Topics In Economics

<table>
<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>ECON</td>
<td>290S</td>
<td>Selected Topics In Economics</td>
</tr>
</tbody>
</table>

**Description**
Topics vary each semester offered.
<table>
<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECON295</td>
<td>295</td>
<td>Intellectual Property and Innovation: Law, Policy &amp;</td>
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<tr>
<td></td>
<td></td>
<td>Entrepreneurship</td>
</tr>
</tbody>
</table>

**Description**

Course examines the tightly linked roles of intellectual property law and innovation in the 21st century global economy; offers an overview of the use of intellectual property in business, law and public policy, as well as in-depth coverage of current controversies impacting the future of the global information economy: gene patents; online piracy; music sampling; open source business models; access to medicines; and the impact of the 3D printing revolution. Besides overviews of trends in intellectual property law, research and development strategies, university technology transfer, and government and private sector investment, examine case studies of specific innovators, companies, places.

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<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>ECON303A</td>
<td>303A</td>
<td>Political Philosophy of Globalization</td>
</tr>
</tbody>
</table>

**Description**

Examination of the claim made for and against the expansion of free exchange on economic, political, and cultural institutions and conditions, from the perspectives of competing ethical theories and political philosophies. Taught only in the Duke in Geneva Summer Study Abroad program.

<table>
<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>ECON305</td>
<td>305</td>
<td>History of International Financial and Monetary Crises</td>
</tr>
</tbody>
</table>

**Description**

Course examines monetary/financial crises plaguing world since 16th century. Analyzes origin, unfolding, and impact of crises, debates generated by them, and formulation/implementation of policy measures. Attention to international implications/connections on European/Asian money supply, banking/credit systems; reaction to South Sea Bubble and John Law Credit Systems in numerous European nations; experiments with paper money in America; rise/demise of gold standard in 19th/20th century; currency and exchange rate problems of last three decades. Case studies will be selected and assigned according to participants' interests. Prerequisite: Economics 201D and 210D.

<table>
<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>ECON306</td>
<td>306</td>
<td>Economic History and Modernization of the Islamic Middle East</td>
</tr>
</tbody>
</table>

**Description**

Economic development of the Middle East from the rise of Islam to the present. Transformation of the region from an economically advanced area into part of the underdeveloped world. Role of religion in economic successes and failures. Obstacles to development today. Topics: Islamic economic institutions, economic roles of Islamic law, innovation and change, political economy of modernization, interactions with other regions, economic consequences of Islamism. Prerequisite: Economics 101 or 21 and 22 or instructor consent.
<table>
<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECON</td>
<td>307</td>
<td>Understanding Financial Bubbles and Crises</td>
<td>Examines the similarities/differences of historical financial crises from “Tulipmania” through the Great Recession to better understand our current economic environment. Explores the regulatory changes that are enacted post-crisis and determines factors that might prevent future economic bubbles/crises. Class includes guest speakers from the NY financial community who experienced recent crises from 1987 Black Monday Crash through Credit Crisis of 2008 to provide an inside view and feel of the markets during those periods. Prerequisite: Economics 201D.</td>
</tr>
<tr>
<td>ECON</td>
<td>307A</td>
<td>Understanding Financial Bubbles and Crises</td>
<td>This course, offered on the Duke in London Finance summer program, examines the similarities/differences of historical financial crises, from “Tulipmania” through the Great Recession of 2008, to better understand our current economic environment. The class explores the regulatory changes that are enacted post-crisis and determines factors that might prevent future economic bubbles/crises. Class includes guest speakers from the London financial community to provide an inside view and feel of the markets during those periods as well as current topics in the financial arena. Prerequisite: Economics 101.</td>
</tr>
<tr>
<td>ECON</td>
<td>309</td>
<td>Anthropology of Money</td>
<td>We will explore the history and theory of money – what it represents, how it circulates, the meanings it carries, its contemporary transformations – not only in the West but also in the global south. Some of the topics to be considered include shell currencies, gift economies, Ponzi schemes, paperless money, derivatives and futures, hedge funds, and global debt.</td>
</tr>
<tr>
<td>ECON</td>
<td>310</td>
<td>Economic Analysis of Law</td>
<td>Law and Economics has had a profound influence on modern legal analysis, with its effects being felt in legal theory, court decisions, the law school classroom, and regulatory policy. This course provides an introduction to the economic analysis of legal rules and decision making, including criminal law, torts, property, contracts, and legal procedure. Particular attention is given to how economic thinking confirms and challenges various aspects of traditional legal reasoning, including what is meant by justice. Prerequisite: Economics 201D.</td>
</tr>
<tr>
<td>ECON</td>
<td>311</td>
<td>History of Economic Thought</td>
<td>Approaches to economic problems from Aristotle to Keynes, emphasizing certain models and doctrines—their origins, relevance, and evolution. Readings from Mun, Quesnay, Adam Smith, Malthus, Ricardo, Marx, Walras, Veblen, and Keynes. Prerequisite: Economics 201D.</td>
</tr>
<tr>
<td>ECON</td>
<td>312S</td>
<td>Adam Smith and the System of Natural Liberty</td>
<td>A seminar focused on the writings of Adam Smith, including close readings of The Wealth of Nations and The Theory of Moral Sentiments, and selections from Mandeville, Huxley, Hume, Quesnay, Turgot, and Bentham. Focus on eighteenth-century views on the nature of society and the origins of prosperity, the luxury debate, and links between natural philosophy (including medical thought), and moral philosophy. Recommended prerequisite: Economics 311.</td>
</tr>
</tbody>
</table>
ECON313 - The Uses of Economics

Subject: ECON
Catalog Number: 313
Title: The Uses of Economics

Description:
The various ways economics is used in contemporary society: in the scholarly community, government, private sector, civil society, other disciplines, and popular culture. Readings in original texts and interpretative commentaries. Prerequisite: Economics 201D.

ECON314S - The History of Modern Macroeconomics from Keynes to the Present

Subject: ECON
Catalog Number: 314S
Title: The History of Modern Macroeconomics from Keynes to the Present

Description:
Examination of key developments in macroeconomics from the 1930s through the present. Case studies of the evolution of macroeconomics in political and social context. Topics include the theory of unemployment in the Great Depression; growth theory and the rise of business cycle modeling in the aftermath of World War II; the trade-off between inflation and unemployment in the 1950s and 1960s; the debate over monetarism in the age of stagflation; and the rise of the New Classical Macroeconomics in its aftermath. Prerequisite: Economics 210D.

ECON315S - Argument Across the Disciplines

Subject: ECON
Catalog Number: 315S
Title: Argument Across the Disciplines

Description:
This course provides practice in analyzing and using the conventions of research writing in students' chosen disciplines and hones students' awareness of how these conventions make the advancement of disciplinary knowledge possible. This course will be most useful for students who are considering multiple majors, research-intensive projects or theses, and students who are considering graduate school or any job that will require them to work closely with findings produced by researchers. Prerequisite: Writing 101.

ECON319 - The Philosophy and Methodology of Economics

Subject: ECON
Catalog Number: 319
Title: The Philosophy and Methodology of Economics

Description:
Introduction to conceptual and methodological issues raised in modern economics. Topics may include choice, rationality and irrationality, realism, models, the relationship between microeconomics and macroeconomics, prediction and explanation, value judgments and policymaking, and causality. Case studies of applications to economic problems. Prerequisites: One course in economics or consent of instructor.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Subject</th>
<th>Catalog Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECON325S</td>
<td>Economic Analysis of Current Energy Issues</td>
<td>ECON</td>
<td>325S</td>
<td>Examination of present-day sources and end-users of energy in U.S. and selected foreign nations with attention to external cost of energy systems. Fossil fuel prospects, new and renewable energy sources and nuclear power. Opportunities for increasing energy productivity. Proposals for dealing with climate change. Course equips students to evaluate proposals and arguments from all sides of the energy debates using facts and analysis. Prerequisite: Economics 201D.</td>
</tr>
<tr>
<td>ECON326</td>
<td>Islam and the State: Political Economy of Governance in the Middle East</td>
<td>ECON</td>
<td>326</td>
<td>Lecture version of Economics 326S. Introduction to political history of Middle East from advent of Islam 14 centuries ago to modern era. Four objectives: (1) familiarize students with institutions responsible for characteristics of political development in region; (2) examine particular transformations/selected cases of inertia to derive lessons about mechanisms that govern political development, including democratization; (3) investigate how religion shaped region's political trajectory; (4) identify social forces, especially economic forces, driving contemporary rediscovery/reinterpretation of Islam's political organization and requirements, by both Islamists and secular political actors.</td>
</tr>
<tr>
<td>ECON331SA</td>
<td>The Economics of the Energiewende in Germany</td>
<td>ECON</td>
<td>331SA</td>
<td>Comprehensive overview of the Energiewende - Germany's effort to reshape its energy system, the industry, and building sectors into a nuclear-free, low-carbon economy. Application of a range of analytical methods - including economic assessment tools, legal analyses and political science - to shed light on different facets of the Energiewende, and to help understand the public and academic debates around it. The course thus offers different angles - looking at the economics of the Energiewende, as well as the technological, social, ethical, legal and political implications. Offered through the Duke-in-Berlin Program.</td>
</tr>
<tr>
<td>ECON332</td>
<td>Modern Topics in Labor Economics</td>
<td>ECON</td>
<td>332</td>
<td>Why do we have a welfare system? What are the implications of artificial intelligence and robotics for jobs? How can we justify the existence of minimum wage? What is the effect of immigration of the outcomes of natives? Why are female workers consistently paid less than their male counterparts? We will study how labor economists think about these topics. The course will provide some basic tools of economic analysis and important institutional background regarding the US and international economies. The class will consist of lectures and debates on the interplay between labor and public policies, including the ethical dimensions of these controversial issues. Prerequisite: Economics 201D.</td>
</tr>
</tbody>
</table>
ECON333 - Private Equity
Subject: ECON
Catalog Number: 333
Title: Private Equity
Description: Introduces students to the process of private equity investments, including evaluating potential investments, deal structure and financing, and key drivers of value. Students will learn about a range of private investment styles, from early stage to mature investments, with a focus on acquisitions of existing mid-market firms for value enhancement utilizing various strategies. The course will include both in-class discussions and lectures from visiting speakers from the private equity world. Prerequisite: Economics 201D or 372.

ECON334 - Health Economics
Subject: ECON
Catalog Number: 334
Title: Health Economics
Description: Economic aspects of the production, distribution, and organization of health care services, such as measuring output, structure of markets, demand for services, pricing of services, cost of care, financing, mechanisms, and their impact on the relevant markets. Prerequisite: Economics 201D or Public Policy 303D.

ECON335 - Economics of Global Health
Subject: ECON
Catalog Number: 335
Title: Economics of Global Health
Description: Examines reciprocal relationships between income, poverty and health across countries with focus on identifying effect of health on development. Addresses structural problems in delivery and quality of healthcare that arise from cultural as well as economic causes. Attention given to challenges of healthcare financing, and tension between high-tech care and basic care in developing countries. Students examine empirical evidence from interventions affecting health including infant mortality reduction programs. Focus on issues of poverty alleviation and the promise of foreign aid. Prerequisites: (Economics 201 or Public Policy 303D) and (Economics 204D or 208D or Public Policy 604), or instructor consent.

ECON336D - Computational Microeconomics
Subject: ECON
Catalog Number: 336D
Title: Computational Microeconomics
Description: Use of computational techniques to operationalize basic concepts from economics. Expressive marketplaces: combinatorial auctions and exchanges, winner determination problem. Game theory: normal and extensive-form games, equilibrium notions, computing equilibria. Mechanism design: auction theory, automated mechanism design. Prerequisite: at least one of the following: Computer Science 230, 200-level Mathematics course, or 200-level Statistical Science course.

ECON337S - Social Inequalities and Low-Wage Work
Subject: ECON
Catalog Number: 337S
Title: Social Inequalities and Low-Wage Work
Description: This course introduces students to several, different economic theories and viewpoints regarding social inequality, class, and socio-economic status in the United States. Current debates are discussed, such as the possible raising of the minimum wage. Students also gain first-hand knowledge concerning the livelihood strategies of low-wage workers in Durham, through students' participation in a service-learning project in the community.

ECON338 - Economics of the Public Sector
Subject: ECON
Catalog Number: 338
Title: Economics of the Public Sector
Description: Applies tools of intermediate micro economics to the public sector. Develops economic justifications for government intervention into the economy and examines and evaluates various government policies and programs including regulation of externalities, welfare programs, social security and other social insurance programs. Provides a solid foundation for applied benefit cost analysis. Analyzes tax policy and other forms of government financing, both at national and subnational levels. Prerequisites: Public Policy 303D or Economics 201D.
ECON339 - Environmental Economics and Policy

Subject: ECON
Catalog Number: 339
Title: Environmental Economics and Policy

Description
The role of the environment in the theory and practice of economics. Topics include ways in which markets fail to efficiently allocate resources in the presence of pollution, along with the array of policies regulators used to correct those failures; the empirical techniques used by economists to put values on environmental commodities; and an examination of questions related to everyday environmental issues, particularly those confronting the developing world. Prerequisites: Economics 201D and one Statistics course; Economics 204D or 208D recommended.

ECON344 - History of Art Markets

Subject: ECON
Catalog Number: 344
Title: History of Art Markets

Description
Analytical survey of emergence of art markets, interactions between market behavior(s), visual/media culture(s). Addresses questions regarding the nature of art markets, the specificity of art markets and the application of economic and historical methodologies, how and where players in local markets throughout the world shape visual culture(s), effective causes for art consumption, taste, fashion throughout ages, and methodological implications of art market research at the interface of Economics, Art History, Law and Visual Studies.

ECON344D - History of Art Markets

Subject: ECON
Catalog Number: 344D
Title: History of Art Markets

Description
Analytical survey and discussion of emergence of art markets, interactions between market behavior(s), visual/media culture(s). Addresses questions regarding the nature of art markets, the specificity of art markets and the application of economic and historical methodologies, how and where players in local markets throughout the world shape visual culture(s), effective causes for art consumption, taste, fashion throughout ages, and methodological implications of art market research at the interface of Economics, Art History, Law and Visual Studies.

ECON345 - Urban Economics

Subject: ECON
Catalog Number: 345
Title: Urban Economics

Description
Intro to urban econ focusing on location of economic activity in geographic space and implications for society. Course uses theoretical modeling, empirical analysis, and historical accounts to explore questions: Why cities exist, form where they do, and grow/decline? How economic activity is organized. Spatial patterns of work, housing, transportation. Environmental consequences of urban density, suburban sprawl, polluting firms. Determinants of price of land, house values, rents. Household sorting across neighborhoods. Causes/consequences of racial segregation, neighborhood gentrification, spatial concentration of poverty/wealth. Prerequisite: Economics 201D; Economics 204D recommended.

ECON346 - Philosophical and Conceptual Problems of Entrepreneurship

Subject: ECON
Catalog Number: 346
Title: Philosophical and Conceptual Problems of Entrepreneurship

Description
Investigation of the nature of entrepreneurship; its psychological foundations, relation to science and technology, implications for economics, and ramifications for morality and ethics.

ECON347 - African Economic Development

Subject: ECON
Catalog Number: 347
Title: African Economic Development

Description
This course will seek to provide students with a realistic picture of African economies and societies today, emphasizing their heterogeneity and accomplishments, as well as focusing on reasons for continued widespread poverty throughout the continent. The course develops behavioral models that can be used to explain and predict household, market, and government behaviors and outcomes. Students are expected to quickly acquire basic stylized facts and economic models, and then analyze one of the many data sets now available.
ECON348 - Gender in the Economy
Subject: ECON
Catalog Number: 348
Title: Gender in the Economy
Description: Economics of gender including the status of women in the labor market; feminist economic theories; ethical considerations of gender-based inequalities; gendered division of labor within the family and between the household and labor market. Comparisons of women’s status across different cultures and geographic areas; gender-related measurements and indicators; explanations and remedies for female/male occupational segregation and wage differentials. Prerequisite: Economics 201D.

ECON351S - The Economic and Political Performance of Civilizations
Subject: ECON
Catalog Number: 351S
Title: The Economic and Political Performance of Civilizations
Description: Critical survey of theories concerning the economic and political development of major civilizations, with an emphasis on the causes of differences that took shape and persisted over long time periods. The theories covered address the roles of institutions, cultures, legal systems, beliefs, family structures, religions, institutions, technologies, geography, and natural resources. Interactions between economic and political development. Prerequisite: Econ 201D, or instructor consent.

ECON352 - How to use data to design better macro policies
Subject: ECON
Catalog Number: 352
Title: How to use data to design better macro policies
Description: Recent increases in computational power and the availability of 'big data' have been transformational in empirical macroeconomics and macro policy. This course shows how large datasets and macro theory can be used to understand and make progress on some of the most important social and economic problems of our time. Topics include debt forgiveness and student debt, trends in inequality and market power, and how to address financial fragility (UI/minimum wage/UBI). For each class, we will read and discuss empirical papers on each topic, learn the relevant econometric techniques needed to understand them and then discuss how to best interpret this evidence using relevant macro theory. Prerequisite: Economics 201D.

ECON353 - Financial Institutions
Subject: ECON
Catalog Number: 353
Title: Financial Institutions
Description: The operations of commercial and central banking and non-banking financial institutions and instruments in the United States, determination of monetary aggregates and interest rates, the financial impacts of Treasury operations, and the linkages from Federal Reserve actions to price level, employment, economic growth, and balance of payments objectives. Coverage of models of monetary economics (for example the Cagan money demand function, cash in advance models). The dynamics and real effects of inflation. Prerequisite: Economics 210D or 372.
### ECON355 - International Trade

**Subject**: ECON  
**Catalog Number**: 355  
**Title**: International Trade  

**Description**  
Topics include United States trade policies and protectionism, the North American Free Trade area, trade and economic relations with industrialized countries, policies toward developing countries and multilateral institutions, macroeconomic policy coordination, and relations with Europe. Prerequisite: Economics 201D.

### ECON360 - Game Theory and Law, Economics and Organization

**Subject**: ECON  
**Catalog Number**: 360  
**Title**: Game Theory and Law, Economics and Organization  

**Description**  
The goal of the course is to enhance your ability to think strategically about complex and interactive environments. Strategic reasoning is applied to the study of Law, Economics and Organizational Behavior. Four themes will be emphasized for becoming a competent strategist.  
1. Identifying Environments: Knowing the key features of a strategic situation that call for a response  
2. Selecting Strategic Moves: Changing the game when necessary to your advantage  
3. Gathering Hidden Information: When to reveal information and when to solicit it  
4. Recognizing Rationality: How do opponents think? What are their preferences? How well informed are they? Prerequisite: Economics 201D and 205D.

### ECON361 - Prisoner's Dilemma and Distributive Justice

**Subject**: ECON  
**Catalog Number**: 361  
**Title**: Prisoner’s Dilemma and Distributive Justice  

**Description**  
Economic, political, and philosophical perspectives on distribution justice and the problems in each discipline raised by variations on the prisoner’s dilemma. Classic texts include Hobbes and Hume, Smith and Mill, Rawls and Nozick. Gateway course to the Politics, Philosophy, and Economics certificate program. Recommended prerequisite: Economics 101 and a course in ethics or political philosophy.

### ECON362 - Discovering Game Theory: Social Complexity and Strategic Interdependence

**Subject**: ECON  
**Catalog Number**: 362  
**Title**: Discovering Game Theory: Social Complexity and Strategic Interdependence  

**Description**  
Strategy is all around you: In sports, the economy, law, politics, and your own social interactions. In this course, you will explore one of the foundational tools that social scientists use to analyze the complexity of strategic interactions: Game Theory. To do so, the course employs a highly interactive learning environment, in which you and your peers engage in strategic interactions that illustrate fundamental social dilemmas. In taking this course, you will gain a new analytical perspective into the complexity of social phenomena, and develop a solid foundation for additional course work in social science.
ECON368 - Behavioral Finance: A Taxonomy of Money Mistakes

Subject: ECON
Catalog Number: 368
Title: Behavioral Finance: A Taxonomy of Money Mistakes

Description:
Uses popular and accepted theories of human behavior from the fields of psychology and decision-making to characterize some prevalent features of irrational behavior in financial markets. Includes discussion of typical errors made by financial market participants as a result of behavioral biases, and examination of the extent to which irrationality can affect financial markets at the aggregate level ("bubbles"), how long irrationality may persist, and what factors will eventually cause these bubbles to burst ("crashes"). Instructor consent required. Prerequisite: Economics 201D.

ECON368A - Behavioral Finance: A Taxonomy of Money Mistakes

Subject: ECON
Catalog Number: 368A
Title: Behavioral Finance: A Taxonomy of Money Mistakes

Description:
We will use popular and accepted theories of human behavior from the fields of psychology and decision-making to characterize some prevalent features of irrational behavior in the financial markets. We will discuss typical errors made by financial market participants as a result of behavioral biases, and examine the extent to which irrationality can affect financial markets at the aggregate level (bubbles), how long irrationality may persist, and what factors will eventually cause these bubbles to burst (crashes). Prerequisite: Economics 201D. Instructor consent required.

ECON369 - People and Poverty: Policymaking in Theory and in Practice

Subject: ECON
Catalog Number: 369
Title: People and Poverty: Policymaking in Theory and in Practice

Description:
Students will use a combination of news articles and research papers to study the problems faced by the world’s poor and to analyze specific policies that have been designed to resolve them. The broad goal of this course is to learn how to use econ models, empirical analysis, and experiments ‘in the field’ to gain a deeper understanding of poverty, in order to design and implement more effective policies in the future. Prerequisite: Economics 201D and calculus.

ECON370 - Global Capital Markets

Subject: ECON
Catalog Number: 370
Title: Global Capital Markets

Description:
ECON370A - Global Capital Markets

Subject: ECON  
Catalog Number: 370A  
Title: Global Capital Markets  

Description:
This course, offered on the Duke in Chicago Finance summer program, examines financial markets and the role of investment banks as intermediaries. Divisions and functions within investment banks: sales and trading, corporate finance, research, and wealth management. Impact of global current events on financial markets around the world, and the importance of Chicago as a global financial center. Visiting speakers from Chicago-based firms provide in-depth analysis of the various roles and opportunities in the Chicago financial arena.

ECON371 - Labor and Family Economics

Subject: ECON  
Catalog Number: 371  
Title: Labor and Family Economics  

Description:
Examines decisions made by individuals as members of families - education, occupation, work, change of jobs, use of home time, consumption, having children, investment in their health and human capital, etc. Also, decisions to cohabit/break up, marry/divorce/remarry, leave the parental nest, etc. Understanding phenomena ranging from which high school couples have sex - to the stability of gay marriage - to domestic violence - to the impact of Covid-19 on the current and future labor force participation of women - are all enhanced by accounting for the multiplicity of both conflicting and complementary interests of individuals in families. Prerequisite: Economics 201D and either 204D or 208D.

ECON372 - Asset Pricing and Risk Management

Subject: ECON  
Catalog Number: 372  
Title: Asset Pricing and Risk Management  

Description:
Integrates micro and macro economics with topics in finance. Utility maximization within mean variance framework for portfolio analysis and capital asset pricing model. Corporate valuation and discounted cash flow analysis. Capital structure and principal-agent problem will lead into a discussion of the Efficient Markets Hypothesis and underlying assumptions. Market pricing, forecasting, and financial crises. Prerequisite: Economics 101D (or Economics 21 and 22); and Economics 104D or Statistical Science 111L, 130L, 210L, 230, or 250D, or BME 244L; and Economics 205D or Mathematics 202D, 212, 216, 219, or 222.

ECON373 - Corporate Finance

Subject: ECON  
Catalog Number: 373  
Title: Corporate Finance  

Description:
Major corporate decisions from the perspective of the firm with an emphasis on the interaction of the firm with financial markets: quantitative project evaluation for investment, choice between borrowing and issuing stock, dividend policy, organizational form (for example, mergers and acquisitions). Introduction to financial markets: asset pricing, issuing stocks, analyzing financial performance using relative value tools, and options. Prerequisite: Economics Majors: Economics 201D and 204D or 208D; Economics or Financial Economics Minors: Economics 372.
ECON374S - New Ventures Operating Plan

Subject: ECON  
Catalog Number: 374S  
Title: New Ventures Operating Plan

Description:
Course allows teams to follow structured process in carrying out analysis aimed at development of complete operating/business plan for new corporate venture. Four major areas form basis of operating plan: core competencies, elements of operating plan, budget, and financing plan.

ECON375 - The Economics of Entrepreneurship

Subject: ECON  
Catalog Number: 375  
Title: The Economics of Entrepreneurship

Description:
Application of microeconomic theory, such as game theory and industrial organization, to analyze business start-ups and their development. Focus on evaluation of the role of entrepreneurs in the macroeconomy, and the microeconomic performance of young businesses. The effects of government policies and economic fluctuations on entrepreneurs will be addressed, as well as an understanding of the organization and financial structure, development, and allocational decisions of growing entrepreneurial ventures. Prerequisite: Economics 201D.

ECON376 - Commodities Markets

Subject: ECON  
Catalog Number: 376  
Title: Commodities Markets

Description:
A focused look at the history, structure and regulatory oversight of markets that trade in commodities. Course includes the role of these instruments in hedging and speculating in commodity exposure, and a broader view of the importance of commodities for the general economy. Prerequisite: Economics 205D or 372.

ECON377 - The Economics of Financial Derivatives & Financial Engineering

Subject: ECON  
Catalog Number: 377  
Title: The Economics of Financial Derivatives & Financial Engineering

Description:
Introduction to derivatives focused on economic functions as tools for hedging/risk management. Topics include: forwards, futures, swaps, options, parity conditions, binomial options pricing, Black-Scholes formula, financial engineering for risk management Value-at-Risk (VAR). Emphasis on intuition and common sense implementation of technical material. Abuses and potentials for arbitrage profits considered. Prerequisite: Economics 201D or 372. Recommended prerequisite: either a statistics/probability course or demonstrated knowledge of basic probability concepts such as discrete and continuous probability distributions, expected value, variance, and correlation.
**ECON378 - Financial Risk Management**

Subject: ECON  
Catalog Number: 378  
Title: Financial Risk Management

Description: Identifying, measuring, and dealing with risk factors faced by firms in increasingly complex financial system. Course examines major types of financial risks faced by firms and introduces models for measuring, and frameworks for managing risk, and the main tools used in financial risk management, with application to real-world examples and case studies. Assessment of models, tools and frameworks for managing various risks. Attention given to role of public policy in shaping practice of risk management. Prerequisite: Economics 201D and 210D.

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**ECON379 - Emerging Markets: Finance, Trade, Institutions and the World Economy**

Subject: ECON  
Catalog Number: 379  
Title: Emerging Markets: Finance, Trade, Institutions and the World Economy

Description: Analyzes rise of emerging markets/economies and their new role in the context of global economy. Focus on post-1970s growth of countries such as China, India, South Korea, Chile, Mexico, and Brazil (and/or other countries according to students’ interests) with particular emphasis on financial, industrial/trading and institutional aspects, linking such rise to the emergence of vast global economic imbalances and new trend in capital and trade flows of the last decade. Explores economic and policy challenges these countries and their companies increasingly face and implications for the world economy. Prerequisite: Economics 201D and 210D.

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**ECON381S - Inside Hedge Funds**

Subject: ECON  
Catalog Number: 381S  
Title: Inside Hedge Funds

Description: Background and evolution of hedge funds, their structure, and various investment strategies. An analysis of why hedge funds have become the most prolific investment vehicles in the world, and why they have become the key customer base to investment banks. There will be a range of guest lecturers from the hedge fund world that will provide a bird’s-eye view into the industry. Prerequisite: Economics 372.

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**ECON382 - Asset Management**

Subject: ECON  
Catalog Number: 382  
Title: Asset Management

Description: An interdisciplinary approach to asset management, providing introduction to a discipline that has wide-ranging implications for all businesses. Begins with an overview of portfolio management and valuation tools, then discussion of different investment vehicles (hedge funds, private equity, venture capital) and asset classes (real estate, fixed income, commodities, emerging markets, currencies). The course will conclude with an overview of the history of asset management (including market crises) as well as topics of current interest and likely future impact to investors. Course led by Prof. Jones; will include lectures from a number of investment professionals from DUMAC. Prerequisite: Economics 201D.

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**ECON383 - Foreign Exchange Markets**

Subject: ECON  
Catalog Number: 383  
Title: Foreign Exchange Markets

Description: The course is a focused look at foreign exchange markets investigating classic economic models, structure of institutions and regimes, identifying and hedging exposure and methods for trading and related topical issues. Prerequisite: Economics 201D.

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**ECON383A - Foreign Exchange Markets**

Subject: ECON  
Catalog Number: 383A  
Title: Foreign Exchange Markets

Description: The course is a focused look at foreign exchange markets investigating classic economic models, structure of institutions and regimes, identifying and hedging exposure and methods for trading and related topical issues. Prerequisite: Economics 201D. Instructor consent required.
### ECON384 - Investing in Emerging Markets

**Subject**
ECON  

**Catalog Number**
384  

**Title**
Investing in Emerging Markets  

**Description**
Explores methodologies for constructing an investment portfolio of emerging and frontier market assets. Provides overview of emerging market landscape and basics of portfolio theory. Investigates issues for selecting emerging market assets, including: determine EM countries with potential for strong economic growth; assess advantages and risks associated with specific asset classes: bonds, equities, real estate, etc. Consider direct vs portfolio investment; onshore vs offshore; and exchange rate risk. Concludes with development of system to assess an emerging country's vulnerability to financial crisis and determines when a crisis creates a buying opportunity. Prerequisite: Economics 201D or 372.

### ECON390 - Selected Topics in Economics

**Subject**
ECON  

**Catalog Number**
390  

**Title**
Selected Topics in Economics  

**Description**
Topics vary by semester. Prerequisite: Economics 201D; check individual semester offerings for additional prerequisites. Instructor permission usually an option.

### ECON390S - Selected Topics in Economics

**Subject**
ECON  

**Catalog Number**
390S  

**Title**
Selected Topics in Economics  

**Description**
Topics vary by semester. Prerequisite: Economics 201D; check individual semester offerings for additional prerequisites. Instructor permission usually an option.

### ECON391 - Independent Study

**Subject**
ECON  

**Catalog Number**
391  

**Title**
Independent Study  

**Description**
Individual non-research directed study in a field of special interest on a previously approved topic, under the supervision of a faculty member, resulting in an academic product. Consent of instructor and director of undergraduate studies required. Prerequisite: Economics 201D.

### ECON389S - Politics, Philosophy, and Economics Capstone

**Subject**
ECON  

**Catalog Number**
389S  

**Title**
Politics, Philosophy, and Economics Capstone  

**Description**
Capstone course open only to students in the Politics, Philosophy, and Economics program. Integrates and synthesizes the analytical framework and factual studies provided in other PPE courses. Consent of instructor required.
ECON392 - Independent Study

Subject: ECON  
Catalog Number: 392  
Title: Independent Study

Description: Individual non-research directed study in a field of special interest on a previously approved topic, under the supervision of a faculty member, resulting in an academic product. Consent of instructor and director of undergraduate studies required. Prerequisite: Economics 201D and Economics 210D.

ECON393 - Research Independent Study

Subject: ECON  
Catalog Number: 393  
Title: Research Independent Study

Description: Individual research in a field of special interest under the supervision of a faculty member, the central goal of which is a substantive paper or written report containing significant analysis and interpretation of a previously approved topic. Consent of instructor and director of undergraduate studies required. Prerequisite: Economics 201D.

ECON394 - Research Independent Study

Subject: ECON  
Catalog Number: 394  
Title: Research Independent Study

Description: Same as Economics 393, but for second-semester juniors and seniors. Consent of director of undergraduate studies required. Prerequisite: Economics 201D and 210D.

ECON407 - Soviet and Post-Soviet Economic History

Subject: ECON  
Catalog Number: 407  
Title: Soviet and Post-Soviet Economic History

Description: This course traces economic factors leading to the downfall of the Russian Empire and the rise of the USSR, followed by an assessment of the collapse of the USSR. Particular attention is devoted to the NEP period, earlier Soviet economic models, the famine of the 1930s, the impact of WWII, industrialization and urbanization, Soviet planning, and declining productivity growth and life expectancy in the 1970s and 1980s. The course then explores the economic consequences of the USSR's collapse as well as the nature of recovery in various countries that followed. The course concludes with an overview of formal political economy models. Prerequisite: Economics 201D and (Economics 208D or 204D, either of which can be taken concurrently).

ECON407D - Soviet and Post-Soviet Economic History

Subject: ECON  
Catalog Number: 407D  
Title: Soviet and Post-Soviet Economic History

Description: This course traces economic factors leading to the downfall of the Russian Empire and the rise of the USSR, followed by an assessment of the collapse of the USSR. Particular attention is devoted to the NEP period, earlier Soviet economic models, the famine of the 1930s, the impact of WWII, industrialization and urbanization, Soviet planning, and declining productivity growth and life expectancy in the 1970s and 1980s. The course then explores the economic consequences of the USSR's collapse as well as the nature of recovery in various countries that followed. The course concludes with an overview of formal political economy models. Prerequisite: Economics 201D and (Economics 208D or 204D, either of which can be taken concurrently).

ECON413 - Forecasting Financial Markets

Subject: ECON  
Catalog Number: 413  
Title: Forecasting Financial Markets

Description: Introduces statistical models for financial price and risk. ARMA, GARCH, Value-at-Risk. Covers both theory underlying these models and practical implementation using statistical software (MATLAB). Prerequisite: (Mathematics 202, 212, 216, 221, or 222) and (Economics 204D or 208D, or Statistics 111 or 130, or Statistics 230/Mathematics 230, or Statistics 250/Mathematics 342).
ECON432S - Environmental Justice: The Economics of Race, Place, and Pollution

Subject: ECON  
Catalog Number: 432S  
Title: Environmental Justice: The Economics of Race, Place, and Pollution

Description: Minors, people of color, and low-income households bear a disproportionate burden from environmental pollution. Since the Clinton Administration, addressing environmental injustice has been among the policy objectives of the EPA. Course examines how environmental injustices may arise out of discriminatory behavior and/or market forces founded on individual, firm, and government incentives. We begin with the theoretical framework used to document and explain disproportionate exposures, then review existing empirical evidence through case studies and evaluate competing explanations for injustice using an economics framework. Prerequisite: Economics 201D and Economics 204D or 208D.

ECON434A - Political Economy of Immigration

Subject: ECON  
Catalog Number: 434A  
Title: Political Economy of Immigration

Description: The regulation of labour immigration is among the most important and controversial public policy issues in high-income countries. Many countries in Europe and North America, including the UK and the US, have experienced very rapid increases in labour immigration over the past 20 years. Instructor consent is required.

ECON435S - Economics of Education

Subject: ECON  
Catalog Number: 435S  
Title: Economics of Education

Description: A course in applied microeconomic policy analysis, focusing on the economic factors underlying the historical and current provision of education in the United States. Topics of interest include the private and social returns to education; the effect of scholastic inputs on student achievement (including teacher quality and class size); the valuation of school quality through house prices; and the role of incentives in increasing the efficiency with which education services are delivered. To facilitate a deeper understanding of such concepts, key econometric techniques used in empirical research are reviewed. Prerequisite: Economics 201D required; Economics 204D or 208D strongly recommended.

ECON436 - Global Inequality Research

Subject: ECON  
Catalog Number: 436  
Title: Global Inequality Research

Description: Engagement of vertically integrated research teams in projects exploring racial and ethnic disparities exhibited and expressed in six arenas, employment, wealth, health, political participation, education, and arts and culture. Each team will produce a major paper that will qualify for submission to a refereed journal in the area (relevant to the focus of the study). Course is not open to students who have taken Public Policy 645 or 645S.
**ECON436S - Global Inequality Research Seminar**

**Subject**  
ECON

**Catalog Number**  
436S

**Title**  
Global Inequality Research Seminar

**Description**  
Engagement of vertically integrated research teams in projects exploring racial and ethnic disparities exhibited and expressed in six arenas: employment, wealth, health, political participation, education, and arts and culture. Each team will produce a major paper that will qualify for submission to a refereed journal in the area relevant to the focus of the study. Course is not open to students who have taken Public Policy 645S.

**ECON438 - Public Finance**

**Subject**  
ECON

**Catalog Number**  
438

**Title**  
Public Finance

**Description**  
Economic aspects of the allocative and distributive role of government in the economy, the incidence and efficiency of taxation, the effects of taxation on behavior, and analysis of major government spending programs. Prerequisite: Economics 201D or Public Policy 303D.

**ECON442 - Development Economics: Theory, Evidence and Policy**

**Subject**  
ECON

**Catalog Number**  
442

**Title**  
Development Economics: Theory, Evidence and Policy

**Description**  
This course studies the past, present and future of economic development. We begin by briefly learning about patterns of economic development through time and across countries. We then study a selection of specific development policy challenges chosen from conflict, education, health, governance, infrastructure, international aid, labor markets, and trade. We emphasize learning the tools that economists use to study economic development: statistical analysis of large datasets, economic models, and historical case studies. Prerequisite: Economics 201D and (204D or 208D).

**ECON442S - Development Economics: Theory, Evidence and Policy**

**Subject**  
ECON

**Catalog Number**  
442S

**Title**  
Development Economics: Theory, Evidence and Policy

**Description**  
This course studies the past, present and future of economic development. We begin by briefly learning about patterns of economic development through time and across countries. We then study a selection of specific development policy challenges chosen from conflict, education, health, governance, infrastructure, international aid, labor markets, and trade. We emphasize learning the tools that economists use to study economic development: statistical analysis of large datasets, economic models, and historical case studies. Seminar version of Economics 442. Prerequisite: Economics 201D and (204D or 208D).
ECON443 - Empirical Methods in Gender and Family Economics

**Subject**  
ECON

**Catalog Number**  
443

**Title**  
Empirical Methods in Gender and Family Economics

**Description**  
Explores topics in economics of gender, an exciting and active field in current economics research. Focus on theoretical models of labor and marriage markets as well as empirical applications. Students will apply economic tools to these topics. They will find, analyze and interpret publicly available data, and develop skills to think critically about gender issues and evaluate policy interventions. Some main topics include: gender gaps in wages and employment; education, majors and occupation choices; effects of parenthood; risk aversion, competitiveness, social norms; marriage and divorce, fertility, household specialization; the role of governments and firms. Prerequisite: Economics 204D.

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**Subject**  
ECON

**Catalog Number**  
444

**Title**  

**Description**  
Recent evidence highlights the potential for early interventions in mitigating inequality of opportunity. This course introduces students to the economics of such interventions. The course covers the datasets, quantitative tools, and theoretical frameworks that economists employ to answer policy-relevant questions impacting the lives of children. Topics of interest include the role of K-12 public education on intergenerational mobility, the causal effects of foster care, and the long-run economic consequences of early-life circumstances and government transfer payments. Recommended prerequisite: ECON 204D.

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ECON445 - Economics of Crime

**Subject**  
ECON

**Catalog Number**  
445

**Title**  
Economics of Crime

**Description**  
In the United States there is widespread interest across the political spectrum in reforming criminal justice policies. Social scientists have responded to this phenomenon with a flurry of research attempting to understand the circumstances that led to the creation of this new, expansive criminal justice system and its consequences. This course considers empirical research from economics literature on a variety of topics related to the criminal justice system. STATA or R required. Prerequisite: Economics 204D.

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ECON451 - Housing and the Economy

**Subject**  
ECON

**Catalog Number**  
451

**Title**  
Housing and the Economy

**Description**  
Housing contributes over 16% to U.S. GDP and is the largest asset on the household sector’s balance sheet, while the mortgage market constitutes the second largest U.S. credit market, just behind Treasuries and well ahead of corporate debt. In this course, we will study the economic forces driving housing and mortgage markets and its interactions with the wider macro economy. Topics include the drivers of house price dynamics, urbanization, gentrification and housing affordability, an introduction to real estate finance, mortgage design and default, the primary and secondary mortgage market and mortgage securitization, and the causes and consequences of housing driven recessions.

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ECON452 - Economic Growth

**Subject**  
ECON

**Catalog Number**  
452

**Title**  
Economic Growth

**Description**  
Examination of the enormous differences in living standards across countries, which reflect differences in growth experiences. Course studies both analytical foundations of modern growth theory and the most recent advances in modeling to shed light on old and new questions about such experiences. Not open to students with credit for Economics 352/International Comparative Studies 356. Prerequisite: Economics 201D and 210D and (204D or 208D).

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ECON453 - Advanced Econometrics

**Subject**  
ECON

**Catalog Number**  
453

**Title**  
Advanced Econometrics

**Description**  
This course surveys the formal theory of causality, how to identify it from data, and how these methods are used in applied microeconomics and public policy. While causality is the focus, the course will also introduce various nonparametric statistical methods as necessary. Prerequisite: Economics 204D or 208D.
<table>
<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECON</td>
<td>455</td>
<td>International Finance</td>
<td>Analysis of the determinants of international capital movements, trade imbalances, and nominal and real exchange rates. Policy debates such as the foreign indebtedness of the United States, emerging market debt crises, exchange-rate-based inflation stabilization, and balance-of-payment crises. Prerequisite: Economics 201D and 210D, or Economics 372.</td>
</tr>
<tr>
<td>ECON</td>
<td>461</td>
<td>How Markets Work: Theory, Evidence and Empirical Tools</td>
<td>Uses theoretical models &amp; empirical tools to understand how markets work and implications for public policy/firm strategy. Introduces main theoretical models and empirical techniques used to study range of markets, applying these methods to understand issues/markets in detail. Topics may include auctions, mergers/antitrust policy, collusion, dynamic pricing of new products, price discrimination, insurance markets and advertising. Students will read/evaluate research papers and complete empirical problem sets, highlighting areas suitable for future research. Prerequisite: Economics 204D or 208D.</td>
</tr>
<tr>
<td>ECON</td>
<td>462</td>
<td>Behavioral Economics</td>
<td>Introduction to the insights gained from incorporating psychology into economic modeling. Based exclusively on original, often recent, scientific publications. Focus on empirical evidence, theoretical models and economic implications. Equilibrium analysis is essential analytical tool. Participants will each give a presentation of a scientific paper from the reading list. This course will build on mathematics covered in Mathematics 202/212/222. Prerequisite: Economics 205D.</td>
</tr>
<tr>
<td>ECON</td>
<td>463</td>
<td>Law and Economics</td>
<td>A qualitative and quantitative introduction to economic analysis of legal issues and legal reasoning. Case studies in accident law, product liability, and the value of life. Other topics include contracts, property, affirmative action, civil procedure, and the economics of criminal behavior. Some models examined include a calculus-based approach. Prerequisite: Economics 201D.</td>
</tr>
<tr>
<td>ECON</td>
<td>464</td>
<td>Competitive Strategy and Industrial Organization</td>
<td>Foundations of the field of industrial organization, including the theory of the firm, models of competition, market structure, pricing and dynamic models. Emphasis on theory with support from specific industries, including telecommunications, retail and airlines. Prerequisite: Economics 201D.</td>
</tr>
<tr>
<td>ECON</td>
<td>465</td>
<td>Market Power and Public Policy</td>
<td>The purpose of antitrust laws is to control how firms attain and maintain their market position, presumably for the betterment of consumers, or at least for the benefit of society. Using a rigorous set of tools from microeconomic and game theory, this class will investigate the underpinnings of policies meant to deal with market power broadly defined, such as antitrust laws, the regulation of public utilities, the regulation of financial markets, and anti-dumping rules. Prerequisite: Economics 201D.</td>
</tr>
</tbody>
</table>
ECON468 - Political Economics: Collective Decisions and Individual Values

Subject: ECON  
Catalog Number: 468  
Title: Political Economics: Collective Decisions and Individual Values

Description
This course offers a theoretical introduction to collective decision making. The first part of the course surveys classic results in social choice theory. We address the extent to which a group of diverse individuals can have a coherent collective preference. The second part turns to models of electoral competition, political accountability, and political influence (such lobbying and special interests, agenda setting, and vote buying). The last part of the course focuses on (mis)information in collective processes. Do mass elections aggregate citizens dispersed information? What are the electoral effects of media bias? Is political persuasion a concern? Prerequisite: Economics 201D.

ECON471 - Financial Markets and Investment

Subject: ECON  
Catalog Number: 471  
Title: Financial Markets and Investment

Description
The structure and workings of financial markets. Topics include risk-return relationships, aspects of portfolio selection, the capital asset pricing model, the arbitrage pricing theory, fixed income analysis, and aspects of derivatives. Prerequisite: Economics 201D or 372; AND Economics 104D, or Statistical Science 111L, 130L, 230, or 250D, or Mathematics 230 or 342D.

ECON471A - Financial Markets and Investments

Subject: ECON  
Catalog Number: 471A  
Title: Financial Markets and Investments

Description
The structure and workings of financial markets. Topics include risk-return relationships, aspects of portfolio selection, the capital asset pricing model, the arbitrage pricing theory, fixed income analysis, and aspects of derivatives. Prerequisite: Economics 201D or 372; AND Economics 104D, or Statistical Science 111L, 130L, 230, or 250D, or Mathematics 230 or 342D.

ECON472S - Goodner Equity Research Project

Subject: ECON  
Catalog Number: 472S  
Title: Goodner Equity Research Project

Description
An introduction to the art and science of equity research. Using detailed financial statement analysis and other public sources of information to analyze companies. Comparables analysis, discounted cash flow, event studies, and outside-the-box ways to find evidence of hidden value in companies. Course will include periodic video conference with New York investment manager for practical applications.
**ECON473 - Corporate Finance Theory: Governance, Incentives and Valuation**

**Subject**: ECON  
**Catalog Number**: 473  
**Title**: Corporate Finance Theory: Governance, Incentives and Valuation

**Description**
Uses tools of contract theory (information economics, mechanism design, and game theory) to analyze key features of corporate structure, performance, and valuation. Investigates critical interactions among stakeholders in a modern business enterprise (directors, executives, management, labor, financiers, shareholders, and regulators) in achieving goals and objectives of the corporation. Topics include: reform of corporate governance and auditing; role of private equity, financial markets, and takeovers; efficient determination of leverage, dividends, liquidity, risk management, and design of managerial incentive packages. Prerequisite: Economics 201D.

**ECON474S - The Eichel Asset-Backed Securitization Project**

**Subject**: ECON  
**Catalog Number**: 474S  
**Title**: The Eichel Asset-Backed Securitization Project

**Description**
Introduction to asset-backed securitization market; analysis of risk and return of securitized products as investment tools. History of US mortgages and securitized products, and factors leading to the credit crisis. Exposition of relevant econometrics techniques and risk evaluation models. Students will work on team-based projects in which they identify a relevant research question, collect data, and apply robust statistical analysis of their hypothesis. Course enhanced by period visiting lectures from alumnus Scott Eichel and colleagues at Barclays to discuss practical applications of research. Prerequisite: (Economics 204D or 208D or 372) and (Mathematics 202 or Mathematics 212).

**ECON476 - Empirical Asset Pricing**

**Subject**: ECON  
**Catalog Number**: 476  
**Title**: Empirical Asset Pricing

**Description**
This course develops, examines, and applies models for portfolio decisions by investors and the pricing of securities in capital markets. While developing portfolio theory, we will study the extensive empirical work that characterizes movements in security prices, evaluates alternative investment and asset pricing models, and attempts to test those models and interpret the implications of those tests. This is a research oriented course with practical implementation of quantitative methods in finance, aimed at highly motivated and technically proficient undergraduate and master’s students. Prerequisite: Economics 372/572 or Economics 471/571.

**ECON477 - Fixed Income Markets and Quantitative Methods**

**Subject**: ECON  
**Catalog Number**: 477  
**Title**: Fixed Income Markets and Quantitative Methods

**Description**
Areas of focus include: The value of money and discounted cash flow concepts, statistics, probability concepts, correlation & regression, understanding risks associated with bonds, and bonds with embedded options, and mortgages and the mortgage markets. Prerequisite: Economics 372.

**ECON490 - Selected Topics in Economics**

**Subject**: ECON  
**Catalog Number**: 490  
**Title**: Selected Topics in Economics

**Description**
Topics vary by semester. Check individual semester offerings for prerequisites. Instructor permission usually an option.

**ECON490A - Duke-Administered Study Abroad: Advanced Special Topics in Economics**

**Subject**: ECON  
**Catalog Number**: 490A  
**Title**: Duke-Administered Study Abroad: Advanced Special Topics in Economics

**Description**
Topics differ by section. Prerequisite: Economics 201D; check individual semester offerings for additional prerequisites. Instructor permission usually an option.
ECON490AS - Duke-Administered Study Abroad: Advanced Special Topics in Economics

**Subject**
ECON

**Catalog Number**
490AS

**Title**
Duke-Administered Study Abroad: Advanced Special Topics in Economics

**Description**
Topics differ by section. Prerequisite: Economics 201D; check individual semester offerings for additional prerequisites. Instructor permission usually an option.

ECON490S - Selected Topics in Economics

**Subject**
ECON

**Catalog Number**
490S

**Title**
Selected Topics in Economics

**Description**
Seminar version of Economics 490. Prerequisite: Economics 201D; check individual semester offerings for additional prerequisites. Instructor permission usually an option.

ECON493 - Honors Research Independent Study

**Subject**
ECON

**Catalog Number**
493

**Title**
Honors Research Independent Study

**Description**
Individual research in a field of special interest under the supervision of a faculty member, the central goal of which is the production of an honors thesis, containing significant analysis and interpretation of a previously approved topic. Prerequisites: Economics 201D and Economics 210D. Consent of instructor and Director of Undergraduate Studies required.

ECON494 - Research Independent Study

**Subject**
ECON

**Catalog Number**
494

**Title**
Research Independent Study

**Description**
Individual research in a field of special interest under the supervision of a faculty member, containing significant quantitative analysis and interpretation of a previously approved topic. Department consent required. Prerequisite: Economics 201D and 210D.

ECON495S - Honors Seminar I

**Subject**
ECON

**Catalog Number**
495S

**Title**
Honors Seminar I

**Description**
First course in two-semester honors sequence. Guided research on student-selected topics. Iterative presentations and writing assignments on current literature related to student-selected topics and of student-developed research proposals. Course requires completion of research proposal suitable for write-up as honors thesis in Economics 496S. Prerequisite: Economics 201D and 210D and (204D or 208D).

ECON496S - Honors Seminar II

**Subject**
ECON

**Catalog Number**
496S

**Title**
Honors Seminar II

**Description**
Following Economics 495S, iterative forum for conducting original research culminating in a substantive research project suitable for submission as an honors thesis. Prerequisite: Economics 201D and 210D.

ECON80S - Special Topics

**Subject**
ECON

**Catalog Number**
80S

**Title**
Special Topics

**Description**
Introductory special topics course.

ECON89S - First-Year Seminar

**Subject**
ECON

**Catalog Number**
89S

**Title**
First-Year Seminar

**Description**
Topics vary each semester offered.
<table>
<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECS</td>
<td>101</td>
<td>The Dynamic Earth</td>
</tr>
<tr>
<td>ECS</td>
<td>101D</td>
<td>The Dynamic Earth</td>
</tr>
<tr>
<td>ECS</td>
<td>102</td>
<td>The Dynamic Oceans</td>
</tr>
<tr>
<td>ECS</td>
<td>103</td>
<td>Climate Change for Future Leaders</td>
</tr>
<tr>
<td>ECS</td>
<td>201L</td>
<td>The Solid Earth: Minerals, Rocks, and Structural Geology</td>
</tr>
<tr>
<td>ECS</td>
<td>202</td>
<td>Atmosphere and Ocean Dynamics</td>
</tr>
</tbody>
</table>

**ECS101 - The Dynamic Earth**

**Description**
Introduction to the dynamic processes that shape the Earth and the environment and their impact upon society. Volcanoes, earthquakes, seafloor spreading, floods, landslides, groundwater, seashores and geohazards. Emphasis on examining the lines of inductive and deductive reasoning, quantitative methods, modes of inquiry, and technological developments that lead to understanding the Earth's dynamic systems.

**ECS101D - The Dynamic Earth**

**Description**
Introduction to the dynamic processes that shape the Earth and the environment and their impact upon society. Volcanoes, earthquakes, seafloor spreading, floods, landslides, groundwater, seashores and geohazards. Emphasis on examining the lines of inductive and deductive reasoning, quantitative methods, modes of inquiry, and technological developments that lead to understanding the Earth's dynamic systems.

**ECS102 - The Dynamic Oceans**

**Description**
The oceans and their impact on the Earth's surface, climate, and society. Topics include seafloor evolution, marine hazards, ocean currents and climate, waves and beach erosion, tides, hurricanes/cyclones, marine life and ecosystems, and marine resources. Emphasis on the historical, society and economic roots of oceanography, the formulation and testing of hypotheses, quantitative assessment of data, and technological developments that lead to understanding of current and future societal issues involving the oceans.

**ECS103 - Climate Change for Future Leaders**

**Description**
The science of climate change, including the factors that control the Earth's climate system, the methods used to study climate variations, the nature of climate models and prediction scenarios, the changes of the Earth's climate through time, and the evidence that modern-day climate change is human-induced. Related topics include examination of the impacts of climate change on past and present societies, biodiversity, and human health, as well as potential alternative energy and engineering solutions, and the social, political, religious and economic challenges associated with responding and adapting to climate change.

**ECS201L - The Solid Earth: Minerals, Rocks, and Structural Geology**

**Description**
Description and interpretation of minerals, rocks and geologic structures. Lectures on theoretical aspects, lab on practical applications and use of petrographic microscope. Instructor consent required. Prerequisite: Earth and Ocean Sciences 101.

**ECS202 - Atmosphere and Ocean Dynamics**

**Description**
Introduction to the dynamics of ocean and atmospheric circulations, and their role in the global climate system. Prerequisite: Mathematics 21 and 122, Physics 141L or consent of instructor.
**ECS203 - The Surface of the Earth**

**Subject**  
ECS  

**Catalog Number**  
203  

**Title**  
The Surface of the Earth  

**Description**  
Fundamental earth surface processes involving weathering, soils, hillslopes, rivers, wind, glaciers, and tectonic activity. Humans as agents of landscape change. The future of landscape. Prerequisite: Earth and Ocean Sciences 101 or 102. Instructor consent required.

---

**ECS204 - Evolving Earth and Life: Past and Future Challenges**

**Subject**  
ECS  

**Catalog Number**  
204  

**Title**  
Evolving Earth and Life: Past and Future Challenges  

**Description**  
This course focuses on fifteen prehistoric events that changed life and the planet forever. These events are relevant to modern-day challenges and provide insights into how humanity might manage and solve current and inevitable future earth crises. Following the adage that humans are destined to repeat a history they do not know, students learn that a study of the deep past is no mere intellectual exercise, but a unique and relevant source of information and solutions, necessary for the short- and long-term survival of the human species. Taught online.

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**ECS204L - Evolving Earth and Life**

**Subject**  
ECS  

**Catalog Number**  
204L  

**Title**  
Evolving Earth and Life  

**Description**  
Evolution of the earth and life through time, focusing on earth events that fundamentally changed life and the planet. Understanding the evolution of the earth and life is relevant to modern-day challenges, and provide insights into how humanity might manage and solve current and inevitable future earth crises. Weekend field trip to Appalachian Mountains. Recommended prerequisite: Earth and Climate Sciences 101.

---

**ECS205 - The Future of the Oceans: From Science to Policy**

**Subject**  
ECS  

**Catalog Number**  
205  

**Title**  
The Future of the Oceans: From Science to Policy  

**Description**  
The ocean covers two-thirds of the planet, forming the backbone of healthy ecosystems and many growing economies worldwide. Despite this importance, we know far less about the oceans than terrestrial environments. This course provides an overview of why the oceans matter, including the many ways people use and depend on the oceans. We will discuss the major issues that threaten our oceans, and students will explore emerging solutions to these challenges of changing ocean use using market-based, scientific, and policy approaches. Course will include an optional weekend field trip to the Duke Marine Lab in Beaufort.
ECS210S - Exploring Earth Sciences: Field and Laboratory Investigations

**Subject**
ECS

**Catalog Number**
210S

**Title**
Exploring Earth Sciences: Field and Laboratory Investigations

**Description**
Exploration of key concepts in Earth sciences using field and laboratory techniques. Focus on collecting, analyzing and interpreting observational, geophysical, and geochemical data in order to experience how scientists conduct research to answer fundamental questions about how the Earth works. Modules vary by semester and may include local and global studies of plate tectonics, geological history, groundwater and surface water, geohazards, geophysical imaging of the sub-surface, geochemical chemical analyses, remote sensing studies, and how humans impact these systems. Local fieldwork and optional weekend fieldtrip to Appalachians or NC coast. Pre- or co-requisite: ECS/EOS 101.

ECS212S - Exploring Climate Sciences: Data-driven investigations

**Subject**
ECS

**Catalog Number**
212S

**Title**
Exploring Climate Sciences: Data-driven investigations

**Description**
Exploration of key concepts in climate sciences using field, computational and laboratory techniques. Focus on collecting, analyzing and interpreting climate data and observations, in order to experience how scientists conduct research to answer fundamental questions about how the climate system works. Modules vary by semester, including local and global examinations of short-term and long-term climate variability and human impacts on the climate system. Field trip to a local weather station, e.g. Duke Forest or NC ECONet, to learn how meteorological data are collected. Recommended pre/corequisite: ECS/EOS 103.

ECS220 - Water Sciences: Principles and Challenges

**Subject**
ECS

**Catalog Number**
220

**Title**
Water Sciences: Principles and Challenges

**Description**
Fundamental principles and challenges in water sciences on local, regional and global scales. Topics include the global hydrological cycle, impact of climate change on water availability, principles of surface water and groundwater flow, fundamentals of water quality, the energy-water nexus, and scientific and technological approaches used to trace pollutants and remediate contamination. Relationships between human activities (anthropogenic effects) and naturally occurring processes that affect local and global water availability and quality. Emphasis on cutting edge water research and human and environmental impacts. Recommended prerequisite: Earth and Ocean Sciences 101, Environment 102, or equivalents, and introductory chemistry.

ECS226DS - Field Methods in Earth and Environmental Sciences

**Subject**
ECS

**Catalog Number**
226DS

**Title**
Field Methods in Earth and Environmental Sciences

**Description**
Introduction to basic field methods used in the earth and environmental sciences. Field investigations focus on topics such as groundwater and surface water movements, soil chemistry and identification, topographic and geologic mapping, the atmosphere/soil interface, and plant identification and distributions. Design of a field investigation, collection of data to address a specific goal, and interpretation and reporting of the results. Emphasis on learning to report field results in the format of scientific publications. Visits to five local field sites. Open only to juniors and seniors.
## ECS226S - Field Methods in Earth and Environmental Sciences

<table>
<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>ECS</td>
<td>226S</td>
<td>Field Methods in Earth and Environmental Sciences</td>
</tr>
</tbody>
</table>

**Description**
Introduction to basic field methods used in the earth and environmental sciences. Field investigations focus on topics such as groundwater and surface water movements, soil chemistry and identification, topographic and geologic mapping, the atmosphere/soil interface, and plant identification and distributions. Design of a field investigation, collection of data to address a specific goal, and interpretation and reporting of the results. Emphasis on learning to report field results in the format of scientific publications. Visits to five local field sites. Open only to juniors and seniors.

## ECS231 - Energy and the Environment

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<th>Subject</th>
<th>Catalog Number</th>
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<tbody>
<tr>
<td>ECS</td>
<td>231</td>
<td>Energy and the Environment</td>
</tr>
</tbody>
</table>

**Description**
Overview of the challenges confronting humanity as a consequence of our reliance on energy. Challenges include dwindling supplies, rising demand and environmental degradation. Realistic responses require an understanding of the complexity of the energy system, including energy resources, uses, and impacts, in the context of social, political and economic imperatives. Lectures will be augmented by presentations from guest speakers from industry, government and non-profit organizations.

## ECS239 - Introduction to Atmospheric Chemistry: From Air Pollution to Climate Change

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<tr>
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<th>Catalog Number</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>ECS</td>
<td>239</td>
<td>Introduction to Atmospheric Chemistry: From Air Pollution to Climate Change</td>
</tr>
</tbody>
</table>

**Description**
Integrated scientific background for the impact of humans on the natural environment. Topics covered include greenhouse gases and climate, local and regional ozone pollution, long-range pollution transport, acid rain, atmospheric particulate matter pollution, and stratospheric ozone depletion. Prerequisite: Chemistry 101DL.

## ECS272A - Analysis of Ocean Ecosystems

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<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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<tbody>
<tr>
<td>ECS</td>
<td>272A</td>
<td>Analysis of Ocean Ecosystems</td>
</tr>
</tbody>
</table>

**Description**
The history, utility, and heuristic value of the ecosystem; ocean systems in the context of Odum's ecosystem concept; structure and function of the earth's major ecosystems. Taught in Beaufort at Duke Marine Lab. Prerequisite: one year of biology, one year of chemistry, or consent of instructor.
ECS273LA - Biological Oceanography

Subject: ECS  
Catalog Number: 273LA  
Title: Biological Oceanography

Description: Discusses patterns of abundance, diversity and activity of organisms in major ocean ecosystems. Identifies major physical, chemical and ecological processes that affect these patterns, and analyzes impact of biology on ecosystems. Uses a 'flipped' classroom for enhanced development of quantitative skills to measure these patterns, emphasizing hands-on data collection and analyses, multiple field trips aboard DUML research vessels, and participatory activities to demonstrate core concepts in biological oceanography. Taught at Duke Marine Lab. Spring section requires travel. Recommended intro bio or AP Bio credit. Instructor consent required, visit DUML website for details.

ECS280LA - Sound in the Sea: Introduction to Marine Bioacoustics

Subject: ECS  
Catalog Number: 280LA  
Title: Sound in the Sea: Introduction to Marine Bioacoustics

Description: Fundamentals of marine bioacoustics with a focus on current literature and conservation issues. Topics include: introduction to acoustics; acoustic analysis methods and quantitative tools; production and recording of sound; ocean noise; propagation theory; active and passive acoustics; hearing, sound production and communication in marine organisms, potential impacts of anthropogenic noise; and regulation of marine sound. Labs will focus on methodologies used for generating, recording and analyzing marine sounds. Taught in Beaufort at Duke Marine Lab. Prerequisite: AP Biology, introductory biology, or consent of instructor; Physics 141L or 164L (or equivalent Physics courses) or consent of instructor.

ECS287A - Biodiversity of Alaska

Subject: ECS  
Catalog Number: 287A  
Title: Biodiversity of Alaska

Description: Ecology/biodiversity and conservation in Alaska: identification and natural history of native plants and animals including both terrestrial and marine species, biogeographic history and patterns, native American cultures, conservation issues surrounding Alaskan natural resources. Regional, national, and geopolitical issues surrounding development and conservation in Alaska and elsewhere in the arctic. Lectures and discussions complemented by field trips to examine terrestrial, aquatic, and marine ecosystems across the three major Alaskan biomes: coastal rainforest, boreal coniferous forest, arctic/alpine. Taught in Alaska.

ECS288A - Biogeography in an Australian Context

Subject: ECS  
Catalog Number: 288A  
Title: Biogeography in an Australian Context

Description: Distribution of plants and animals in space and time as determined by the interaction of geophysics, geology, climate, and evolutionary history. Special emphasis on the unique terrestrial and marine faunas and floras of the Australian continent and on the impact of humans on the distribution of these plants and animals. Taught in Australia.

ECS289A - Climate Change and the Human Experience in a Danish Context

Subject: ECS  
Catalog Number: 289A  
Title: Climate Change and the Human Experience in a Danish Context

Description: Primarily field-based exploration of the geological and ecological evidence for climatically-driven change and its distinct influence on the development of early Northern European civilization. Special emphasis on the relationship between climate change and human adaptation at the end of the last Ice Age, during the Medieval Warm Period, the Little Ice Age, and to modern anthropogenic global warming. Summer Study Abroad taught in Denmark.

ECS315 - Waves, Beaches, and Coastline Dynamics

Subject: ECS  
Catalog Number: 315  
Title: Waves, Beaches, and Coastline Dynamics

Description: Oceanographic and geologic processes responsible for the evolution of nearshore features; fluid motions of many time scales in the nearshore environment, including waves and currents. Conceptual basis for models of how fluid motions interact with the shape of the beach and bed in the surf zone, giving rise to features such as beach cusps, bars, channels, and barrier islands. Various attempted engineering and coastal management solutions to the global retreat of shorelines.
ECS316A - Beach and Island Geological Processes

**Subject**
ECS

**Catalog Number**
316A

**Title**
Beach and Island Geological Processes

**Description**
Field seminar on the evolution of beaches and barrier islands with emphasis on the interactions between nearshore processes and human development. Prerequisite: Earth and Climate Sciences 315/515 or consent of instructor. Also taught as Earth and Climate Sciences 716A.

---

ECS322 - Hydrologic and Environmental Data Analysis

**Subject**
ECS

**Catalog Number**
322

**Title**
Hydrologic and Environmental Data Analysis

**Description**
Focus on development of quantitative approaches used to interpret observations on hydrological and environmental processes across space and time, with application to case studies in water science. In this course, we will (1) generate knowledge of fundamental processes in aquatic ecosystems as they relate to contemporary issues, (2) apply data science skills to datasets in the water resources field, and (3) quantitatively explore a topic in aquatic science through an in-depth course project. Recommended prerequisite: prior experience with computational software (R preferred; Stata, MATLAB, and/or GIS acceptable). Instructor consent required.

---

ECS323 - Landscape Hydrology

**Subject**
ECS

**Catalog Number**
323

**Title**
Landscape Hydrology

**Description**
Introduction to hydrology examining how rainfall and snowmelt become streamflow, groundwater and atmospheric water, with emphasis on hydrological processes inside watersheds. Topics include: the hydrologic cycle and water balances, evapotranspiration and snow energy balances, vadose zone hydrology, hydrogeology, hyporheic zones, riparian zones, streamflow generation mechanisms, biogeochemical budgets, and field measurement techniques. Linkages between physical hydrology and broader ecological and environmental sciences will be highlighted.

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ECS325 - The Anthropocene: The Next Epoch of Geologic History

**Subject**
ECS

**Catalog Number**
325

**Title**
The Anthropocene: The Next Epoch of Geologic History

**Description**
Introduction to the next epoch of geologic history. The evolution of the technosphere, the global human-technological system that increasingly dominates biology, hydrology, and other major natural earth systems. The future of the earth and humanity. Instructor consent required. Prerequisite: Earth and Climate Sciences 101 or 203.

---

ECS355 - Global Warming

**Subject**
ECS

**Catalog Number**
355

**Title**
Global Warming

**Description**
Broad, interdisciplinary course on the observations, causes, and consequences of climate change. Course will cover modern and paleoclimate observations, human and natural drivers, and links between drivers and responses. Building on this physical science base, course will then analyze how socioeconomic choices affect future climate as well as the factors influencing those choices, including risk analyses, geoengineering proposals, climate metrics and the media.

---

ECS355D - Global Warming

**Subject**
ECS

**Catalog Number**
355D

**Title**
Global Warming

**Description**
Broad, interdisciplinary course on the observations, causes, and consequences of climate change. Course will cover modern and paleoclimate observations, human and natural drivers, and links between drivers and responses. Building on this physical science base, course will then analyze how socioeconomic choices affect future climate as well as the factors influencing those choices, including risk analyses, geoengineering proposals, climate metrics and the media.
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<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>ECS</td>
<td>359</td>
<td>Fundamentals of GIS and Geospatial Analysis</td>
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<td></td>
<td>Fundamental aspects of geographic information systems and satellite remote sensing for environmental applications. Concepts of geographic data development, cartography, image processing, and spatial analysis. Consent of instructor is required.</td>
</tr>
<tr>
<td>ECS</td>
<td>364S</td>
<td>Changing Oceans</td>
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<td>Our oceans are under severe stress. This seminar will explore human disturbances of marine environments, including ocean warming, sea level rise, melting of ice caps and sea ice, ocean acidification, coastal eutrophication, changes in primary production and food web dynamics, invasive species, overfishing, increased subsurface hypoxia, changes in circulation, stratification, and physical, chemical (e.g. oil spills) and noise pollution.</td>
</tr>
<tr>
<td>ECS</td>
<td>365</td>
<td>Introduction to Weather and Climate</td>
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<td></td>
<td>Introduction to weather and climate. Topics include atmospheric structure, composition, circulation and energy properties; severe weather events such as cyclones, hurricanes, and tornadoes; ozone depletion; natural climate variability; climate change and global warming.</td>
</tr>
<tr>
<td>ECS</td>
<td>370A</td>
<td>Physical Oceanography</td>
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<tr>
<td></td>
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<td></td>
<td>Fundamental physical principles of ocean circulation. Physical properties of seawater; forces acting on the ocean such as heat, pressure gradients, wind stress, rotation, and friction; and conservation equations for heat, mass and momentum. Applications include geostrophic balances, thermal wind, coastally trapped waves, El Nino/ENSO, and tidal circulation. Taught in Beaufort at Duke Marine Lab. Prerequisite: one year of calculus and one semester of physics, or permission of instructor.</td>
</tr>
<tr>
<td>ECS</td>
<td>374L</td>
<td>Marine Ecology</td>
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<td></td>
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<td>Distribution, abundance, and diversity of marine organisms, including a survey of the major flora and fauna in the marine environment, including physical characteristics, adaptation to environment, species interactions, biogeography, larval recruitment, and biodiversity and conservation of communities found in rocky shores, tidal flats, beaches, marshes, mangrove, coral reefs, and subtidal areas. Lectures, field excursions, lab exercises and an independent project. Taught fall, spring, and summer; spring enrollment requires travel. Recommended prerequisite: AP biology or introductory biology.</td>
</tr>
<tr>
<td>ECS</td>
<td>374LA</td>
<td>Marine Ecology</td>
<td></td>
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<tr>
<td></td>
<td></td>
<td></td>
<td>Distribution, abundance, and diversity of marine organisms, including a survey of the major flora and fauna in the marine environment, including physical characteristics, adaptation to environment, species interactions, biogeography, larval recruitment, and biodiversity and conservation of communities found in rocky shores, tidal flats, beaches, marshes, mangrove, coral reefs, and subtidal areas. Lectures, field excursions, lab exercises and an independent project. Taught in Beaufort at Duke Marine Lab. Taught fall, spring, and summer; spring enrollment requires travel. Recommended intro bio or AP Bio credit. Instructor consent required, visit DUML website for details.</td>
</tr>
</tbody>
</table>
### ECS377L - Biodiversity of Marine Invertebrates

<table>
<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>ECS</td>
<td>377L</td>
<td>Biodiversity of Marine Invertebrates</td>
</tr>
</tbody>
</table>

**Description**

An introduction to the biodiversity represented by major marine invertebrate groups, with emphasis on the diversity of body forms and behaviors and on anatomical structures and functions. Field trips primarily by boat allow students to explore invertebrates characteristic of a variety of coastal habitats in North Carolina, including mud flats, sandy beaches, salt marshes, oyster reefs, piers and docks, and the water column. Live invertebrates maintained in the laboratory serve as models for detailed study of form and function.

### ECS377LA - Biodiversity of Marine Invertebrates

<table>
<thead>
<tr>
<th>Subject</th>
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<tr>
<td>ECS</td>
<td>377LA</td>
<td>Biodiversity of Marine Invertebrates</td>
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</table>

**Description**

An introduction to the biodiversity represented by major marine invertebrate groups, with emphasis on the diversity of body forms and behaviors and on anatomical structures and functions. Field trips primarily by boat allow students to explore invertebrates characteristic of a variety of coastal habitats in North Carolina, including mud flats, sandy beaches, salt marshes, oyster reefs, piers and docks, and the water column. Live invertebrates maintained in the laboratory serve as models for detailed study of form and function. Taught in Beaufort at Duke Marine Lab.

### ECS390 - Special Topics in Earth and Climate Sciences

<table>
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<tr>
<th>Subject</th>
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<th>Title</th>
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</thead>
<tbody>
<tr>
<td>ECS</td>
<td>390</td>
<td>Special Topics in Earth and Climate Sciences</td>
</tr>
</tbody>
</table>

**Description**

Content to be determined each semester.

### ECS390S - Special Topics in Earth and Climate Sciences

<table>
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<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>ECS</td>
<td>390S</td>
<td>Special Topics in Earth and Climate Sciences</td>
</tr>
</tbody>
</table>

**Description**

Content to be determined each semester.

### ECS391 - Independent Study

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<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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<tbody>
<tr>
<td>ECS</td>
<td>391</td>
<td>Independent Study</td>
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</tbody>
</table>

**Description**

Directed reading or individual projects. Term paper required. Open only to qualified students by consent of director of undergraduate studies and supervising instructor.

### ECS393 - Research Independent Study

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<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECS</td>
<td>393</td>
<td>Research Independent Study</td>
</tr>
</tbody>
</table>

**Description**

Individual research in a field of special interest under the supervision of a faculty member, the central goal of which is a substantive paper or written report containing significant analysis and interpretation of a previously approved topic. Open to qualified students by consent of director of undergraduate studies and supervising instructor.

### ECS393-1 - Research Independent Study

<table>
<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECS</td>
<td>393-1</td>
<td>Research Independent Study</td>
</tr>
</tbody>
</table>

**Description**

See ECS 393. Open to qualified students with consent of instructor and director of undergraduate studies.

### ECS394 - Research Independent Study

<table>
<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECS</td>
<td>394</td>
<td>Research Independent Study</td>
</tr>
</tbody>
</table>

**Description**

See Earth and Climate Sciences 393. Open to qualified students by consent of director of undergraduate studies and supervising instructor.
<table>
<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECS</td>
<td>401</td>
<td>ECS401 - Field Exploration of the Geology of North Carolina</td>
<td>Introduction to the geological history of North Carolina with an emphasis on active learning and field-based inquiry. Class time serves as preparation and background for two one-day and one overnight weekend field trips. An introductory geology background is useful but not required.</td>
</tr>
<tr>
<td>ECS</td>
<td>402S</td>
<td>ECS402S - Volcanology: Geology of Hawaii</td>
<td>Geology of volcanic processes and the benefits and hazards they present to society. Lectures, discussion and student presentations of independent research reports. Required field trip to Hawaii during spring break. Prerequisite: Earth and Ocean Climate 101 recommended. Consent of instructor required.</td>
</tr>
<tr>
<td>ECS</td>
<td>403</td>
<td>ECS403 - Geology and Natural History of the Yellowstone Region</td>
<td>This course is a laboratory and field-trip based examination of the geological history of Yellowstone Country. We will look at the formation and deformational history of the Wyoming Thrust Belt, the volcanic history of the Absaroka Range, the dramatic activity and influence of the arrival of the Yellowstone Hotspot during the Pleistocene (and present day), the complex tectonic and world-famous glacial history of the Grand Tetons, and learn about the unique Eocene lacustrine and fluvial settings of the Wyoming Fossil Basin.</td>
</tr>
<tr>
<td>ECS</td>
<td>410S</td>
<td>ECS410S - Senior Capstone Experience</td>
<td>Senior capstone field trip course. Field location varies. Topics in geology, hydrology, biology, climate, and other environmental subjects as appropriate for field area, especially human impact on the earth and the role of earth scientists as observers and teachers of earth-system change. Course content partially determined by students. Prerequisites: Open only to senior Earth and Ocean Climate majors. Department consent required.</td>
</tr>
<tr>
<td>EDUC</td>
<td>101</td>
<td>EDUC101 - Social and Philosophical Foundations of Education</td>
<td>Interdisciplinary examination of issues confronting American education, incorporating historical, political, economical, philosophical, and social perspectives. Exploration of ways cultural influences and differences have shaped public schools. Students participate in structured service learning experience in which they reflect on ethical issues related to schooling. Required participation in service-learning.</td>
</tr>
</tbody>
</table>
**EDUC111FS - Pursuit of Equality: Rethinking Schools - Lens of Social Justice**

<table>
<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDUC</td>
<td>111FS</td>
<td>Pursuit of Equality: Rethinking Schools - Lens of Social Justice</td>
</tr>
</tbody>
</table>

**Description**

In 1954 the Supreme Court case Brown versus the Board of Education forever changed American schools by ending segregation and creating educational equity. Or did it? Are today's schools any more inclusive or socially just than schools were 50 years ago? Examination of ways schools may or may not perpetuate and reproduce social inequities. Focus on recent efforts to imagine and create socially just schools. Discussion of our ethical responsibilities as civically engaged citizens to work towards educational equality and provide support of schools that are inclusive, culturally responsive, and democratic. Required service-learning experience working with children in a Durham public school.

**EDUC112FS - Medical Ethics, Aging, and End of Life Care in the US**

<table>
<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDUC</td>
<td>112FS</td>
<td>Medical Ethics, Aging, and End of Life Care in the US</td>
</tr>
</tbody>
</table>

**Description**

Study of medical ethics, policy, clinical, and personal issues in working with dying and bereaved people. Focuses on diverse populations in ethnicity, culture, socioeconomic status, education, sexual orientation, and more. Various models for providing care to the dying and bereaved. Visits from medical personnel. Works to be read/viewed may include 'Me, Earl, and the Dying Girl,' Charon's 'Narrative Medicine,' Gawande's 'Being Mortal,' Tolstoy's 'Death of Ivan Ilich,' Kalanithi's 'When Breath Becomes Air,' and policy articles on end of life care and physician assisted suicide. Focus Program students only. Service-Learning course. Instructor consent required.

**EDUC113FS - Enterprising Leadership and Civic Engagement**

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<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>EDUC</td>
<td>113FS</td>
<td>Enterprising Leadership and Civic Engagement</td>
</tr>
</tbody>
</table>

**Description**

An exploration of ways that students can exercise enterprising leadership to develop innovative, resourceful solutions to important civic issues within and external to Duke University. Course includes four primary focuses: understanding models of change, exploring and practicing enterprising leadership behaviors, reflecting upon ethical values, and designing and implementing a civic engagement project on campus. Open only to students in the Focus Program. Instructor consent required.

**EDUC115FS - Culture, Language, and Purposeful Discomfort in American Classrooms**

<table>
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<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>EDUC</td>
<td>115FS</td>
<td>Culture, Language, and Purposeful Discomfort in American Classrooms</td>
</tr>
</tbody>
</table>

**Description**

Examine linguistic features that participants in schools throughout America use to negotiate classroom culture. Focus on verbal and nonverbal communication through lens of historical and current primary sources that give voice to a range of American experiences. Analyze discursive moves based in (but not limited to) racial, ethnic, gender, and socioeconomic biases. Consider how teachers and students can collaborate to: (1) develop and build on discourses that respectfully address potentially uncomfortable topics; and (2) foster inclusive classroom communities founded on empathy, critical thinking, active listening, and objectivity. Open only to students in the Focus Program.
EDUC117FS - Race and Language

Subject: EDUC
Catalog Number: 117FS
Title: Race and Language

Description: We will examine the relationship between race and language by interrogating texts in medical ethics, gleaning from them wider lessons for navigating prior controversies at the juncture of racial and social difference and medicine (for instance, phrenology and eugenics). We will also examine features of medical and scientific practice that overlap with the study of language, such as contract, disclosure, survey design and policymaking, and how the medical profession and medical practice work to correct past mistakes in interactions with different communities of race.

EDUC118FS - Critical Race Theory in Education

Subject: EDUC
Catalog Number: 118FS
Title: Critical Race Theory in Education

Description: Critical exploration of systemic and endemic racism and ways that structural racism intersects with educational systems. Course begins with an examination of identity, positionality, privilege, bias at the individual level, then moves to an analysis of institutional structures and systems. Students will reflect on their educational experiences and apply case study analysis to their own K-12 education utilizing the framework of critical race theory. Students will examine data on educational inequities and work in teams to prepare a policy proposal that addresses systemic racial inequities within K-12 education.

EDUC150 - SOLD: The Science of Learning at Duke

Subject: EDUC
Catalog Number: 150
Title: SOLD: The Science of Learning at Duke

Description: SOLD: The Science of Learning at Duke is designed to empower you to become an active, strategic learner at Duke and beyond. Grounded in the learning sciences, you will discover well-researched strategies and techniques that will give you a rich understanding of best practices and create new pathways for your growth. Course topics will include self-management, strategic learning, self-awareness, interdependence, and well-being. Throughout the semester, you will explore your unique approach to learning and apply strategies specific to you.

EDUC173S - The Ways and Wisdom of First-Gen College Students

Subject: EDUC
Catalog Number: 173S
Title: The Ways and Wisdom of First-Gen College Students

Description: This course examines the experience of first-generation college students, including their unique challenges, strategies, observations, and analyses. It is intended equally for students of all backgrounds and will, through the ethnographic method, train students in empathetic listening and participant-observation, as well as socially contextualized and cross-culturally comparative analysis.

EDUC188S - Teaching Well-Being: Using the 5 Senses to Achieve Well-Being

Subject: EDUC
Catalog Number: 188S
Title: Teaching Well-Being: Using the 5 Senses to Achieve Well-Being

Description: This course will evaluate the concepts of wellness and well-being as defined through various cultures. Students will discern definitions of well-being and evaluate theories to maintain and pursue a sense of well-being, happiness and serenity. Integration of mind, body and spirit will be defined. Students will develop a personal application of wellness, develop and implement an actionable program and evaluate success of meeting learning objectives to achieve an evolved view of integrated well-being.

EDUC190FS - Focus Special Topics

Subject: EDUC
Catalog Number: 190FS
Title: Focus Special Topics

Description: This will be a special topics course for a Focus class within the Program in Education.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Subject</th>
<th>Catalog Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDUC201</td>
<td>Introduction to Engaged Citizenship and Social Change</td>
<td>EDUC</td>
<td>201</td>
<td>Introduction to key concepts, theories, and critiques of civic engagement and social change, with a focus on competing notions of democratic citizenship. Examination of voluntarism, philanthropy, community service, political participation, social activism and other forms of community engagement. Critical reflection on ethical issues related to community engagement and social change, including critiques of progressivism and service. Students will also be asked to apply these various approaches to pressing social issues of our time, such as income inequality, environmental justice, education reform and gender and race equality.</td>
</tr>
<tr>
<td>EDUC201S</td>
<td>Introduction to Engaged Citizenship and Social Change (Gateway Course)</td>
<td>EDUC</td>
<td>201S</td>
<td>Introduction to key concepts, theories, and critiques of civic engagement and social change, with a focus on competing notions of democratic citizenship. Examination of voluntarism, philanthropy, community service, political participation, social activism and other forms of community engagement. Critical reflection on ethical issues related to community engagement and social change, including critiques of progressivism and service. Students will also be asked to apply these various approaches to pressing social issues of our time, such as income inequality, environmental justice, education reform and gender and race equality. Consent of instructor is required.</td>
</tr>
<tr>
<td>EDUC209FS</td>
<td>Digital Documentary Photography: Education, Childhood, and Growth</td>
<td>EDUC</td>
<td>209FS</td>
<td>Documentary photography as a tool for exploring public education in Durham. Learn digital techniques including camera function, Photoshop, ink-jet printing, audio capture and production of audio-visual slide shows. Discuss ethical issues that emerge as a result of digital photographic impermanence. Service-learning environment consisting of fieldwork photography in collaboration with community organization, culminating in an exhibit. This is a Focus Program Course for Knowledge in the Service of Society. Department consent is required.</td>
</tr>
<tr>
<td>EDUC209S</td>
<td>Digital Documentary Photography: Education, Childhood, and Growth</td>
<td>EDUC</td>
<td>209S</td>
<td>Documentary photography as a tool for exploring public education in Durham. Learn digital techniques including camera function, Photoshop, ink-jet printing, audio capture and production of audio-visual slide shows. Discuss ethical issues that emerge as a result of digital photographic impermanence. Service-learning environment consisting of fieldwork photography in collaboration with community organization, culminating in an exhibit. Consent of instructor required.</td>
</tr>
</tbody>
</table>
EDUC220 - Race, Power, and Identity: From Ali to Kaepernick

Subject
EDUC
Catalog Number
220
Title
Race, Power, and Identity: From Ali to Kaepernick

Description
Exploration of historic and contemporary psycho-social and socio-cultural aspects of the African American sport experience. Examination of research that addresses the effect of physical differences, racial stereotyping, identity development, gender issues, and social influences on African American sport participation patterns. Analysis of sport as a microcosm of society with an emphasis on examining associated educational and societal issues.

EDUC234S - Anthropology and Education

Subject
EDUC
Catalog Number
234S
Title
Anthropology and Education

Description
Exploration of different conceptions of culture and the importance of employing cultural lenses to examine the process of education. Investigation, in particular, of the impact of culture and issues of race, class and gender in American schools.

EDUC239 - Marxism and Society

Subject
EDUC
Catalog Number
239
Title
Marxism and Society

Description
Introduction to Marx’s core concepts, such as alienation, commodity, and revolution. Includes examination of Marx’s own major historical & political analyses, his economic texts, and his philosophical writings. Students also gain familiarity with the role of Marxist thought in different fields and disciplines, including feminist theory, anthropology, history, political science, and literary studies.

EDUC240 - Educational Psychology

Subject
EDUC
Catalog Number
240
Title
Educational Psychology

Description
Principles of developmental, social, and cognitive psychology as applied to education, with a focus on how children learn. Examination of the impact on learning of race, class, gender, and ethnicity, including a comparative analysis of cultural differences in American schools. Through structured service-learning experiences in local schools, students reflect through writing on ethical issues in teaching. Required service-learning.

EDUC240-1 - Educational Psychology

Subject
EDUC
Catalog Number
240-1
Title
Educational Psychology

Description
Principles of developmental, social, and cognitive psychology as applied to education, with a focus on how children learn. Examination of the impact on learning of race, class, gender, and ethnicity, including a comparative analysis of cultural differences in American schools. Through structured service-learning experiences in local schools, students reflect through writing on ethical issues in teaching. Online equivalent to Education 240. Not open to students who have taken Education 240.

EDUC240S - Educational Psychology

Subject
EDUC
Catalog Number
240S
Title
Educational Psychology

Description
Principles of developmental, social, and cognitive psychology as applied to education, with a focus on how children learn. Examination of the impact on learning of race, class, gender, and ethnicity, including a comparative analysis of cultural differences in American schools. Through structured service-learning experiences in local schools, students reflect through writing on ethical issues in teaching. Required service-learning.
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<tr>
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</thead>
<tbody>
<tr>
<td>EDUC</td>
<td>241</td>
<td>Promising Paradigms: Issues and Innovations in American Classrooms</td>
<td>Examination of promising educational initiatives and reform efforts, analysis of federal and state mandates and policies concerning educational issues, and exploration of innovative ideas and programs designed to advance classrooms into the 21st century. Focus given to the ethical and political implications of reforming America's schools within the context of policy development. Note: This is an online course with both synchronous and asynchronous components. Contact the instructor for additional information. Consent of instructor required.</td>
</tr>
<tr>
<td>EDUC</td>
<td>243S</td>
<td>Children, Schools, and Society</td>
<td>The processes by which children are educated in the United States. Ways children acquire through schooling social skills, moral values, and a sense of their role in society. Evaluation of the appropriateness of these goals for schooling, how schooling shapes children's development, and how the education policies that sanction these processes are formed. Application of theory and research for solving complex societal problems that confront children, schools, and communities. Required participation in service-learning.</td>
</tr>
<tr>
<td>EDUC</td>
<td>244S</td>
<td>Children's Self Expression: Literacy Through Photography</td>
<td>Children's self-expression and education through writing, photography and documentary work. Focus on reading and critical interpretation of images. The history, philosophy, and methodology of Literacy Through Photography. Includes internship in an elementary or middle school classroom. Required participation in service-learning.</td>
</tr>
<tr>
<td>EDUC</td>
<td>255S</td>
<td>Literacy, Writing, Tutoring</td>
<td>Theories of literacy and high school and college level teaching tutoring practices. Composition studies, literacy studies, and writing center/tutoring theories. Includes tutoring students.</td>
</tr>
<tr>
<td>EDUC</td>
<td>262</td>
<td>Designing Transformative Learning</td>
<td>The term 'open source' is frequently used to denote software source code that is freely available, modifiable, and shareable. However, the term has much wider applicability and relevance. The core values of open source—open knowledge and access to information, collaboration and community, transparency and meritocracy, inclusion and diversity, and iterative creation and adaptability—have profound implications for 21st century learning. In this learner-centered, project-based course, students will research the intersection of open source concepts, technology, and education innovation and share their knowledge across public-facing open-access media.</td>
</tr>
<tr>
<td>EDUC</td>
<td>267S</td>
<td>The Dialog Laboratory: Experiences in Group Communication</td>
<td>Interactive, performance-based course grounded in dialog and discussion. Open-ended components of the course make learning emerge through doing, reflecting, and adjusting to the particularities of the people involved. Strong emphasis on student-built directions and norms. The laboratory approach to the classroom empowers students to decide how dialog skills are used and what goals to pursue individually and collectively. A course for self-directed students seeking sustained adventures into new communicative experiences and sharpened audience adaptation. Instructor feedback and readings provide ample concepts to service students' needs and goals.</td>
</tr>
<tr>
<td>Subject</td>
<td>Catalog Number</td>
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<tr>
<td>EDUC</td>
<td>272S</td>
<td>EDUC272S - Overlooked Children: Topics of Equity and Access in Gifted Education</td>
<td></td>
</tr>
</tbody>
</table>

**Description**
The underrepresentation of certain groups in gifted programs persists. This course will examine the enrollment disparities that exist in gifted and advanced programs, critically review the assessment practices used to identify gifted students, and explore educational policy designed to reconcile equity and access issues in education. A variety of partners will host students for the service-learning component for this course. Potential partners include, but are not limited to, local schools, non-profit organizations, and research centers focusing on equity and access issues in education.

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</thead>
<tbody>
<tr>
<td>EDUC</td>
<td>275S</td>
<td>EDUC275S - Complex Issues in United States Healthcare</td>
</tr>
</tbody>
</table>

**Description**
Investigates historical, educational, social, political, economic and ethical implications of healthcare in US. Explores educational preparation of providers and current calls for reform. Analyzes health outcomes and costs as well as implications for future national economy. Investigates proposed healthcare models, methods of educating healthcare workers for an aging population, inequalities in distribution and political and ethical implications of change. Writing intensive: includes short weekly written reflections of assigned readings, midterm paper on either education or policy. Final project will investigate solutions for identified population health problem.

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<th>Title</th>
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</thead>
<tbody>
<tr>
<td>EDUC</td>
<td>283S</td>
<td>EDUC283S - The Democratic Mission of American Higher Education</td>
</tr>
</tbody>
</table>

**Description**
This seminar will explore the purposes of American higher education, with a focus on the origins of higher education in this country and important period of institutional evolution. We will interrogate the relationship between democracy and higher education in two ways. First, by understanding how democracy provides the necessary conditions for higher education to pursue its core mission. Second, by looking at how higher education promotes democratic values. The course will pay particular attention to post WWII American higher education, with a focus on important contemporary debates on higher education issues.

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<tbody>
<tr>
<td>EDUC</td>
<td>285S</td>
<td>EDUC285S - Critical Pedagogy of Hip Hop</td>
</tr>
</tbody>
</table>

**Description**
This course examines the role of critical pedagogy in developing learning environments that engage and empower youth. Emphasis is placed on the context of Hip Hop as a foundation for instructional decision-making and social justice advocacy/activism. Students will explore the historical and socio-cultural foundations of education initiatives, teaching and learning strategies, federal and state mandates and educational policy issues that contribute to marginalization. Innovations, interdisciplinary collaboration and community programs designed to strengthen schools and communities will be highlighted.
### EDUC289S - Learning Outcomes

**Assessment: Understanding and Using Evidence to Guide Teaching, Learning, & Policy**

<table>
<thead>
<tr>
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<th>Title</th>
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<tbody>
<tr>
<td>EDUC</td>
<td>289S</td>
<td>Learning Outcomes Assessment: Understanding and Using Evidence to Guide Teaching, Learning, &amp; Policy</td>
</tr>
</tbody>
</table>

**Description**
The practice of assessment and its impacts on education policy and curriculum. Course introduces undergraduate students to the practice of learning outcomes assessment in higher education – its traditions, contexts, and objectives. Students will cultivate critical judgment about the issues facing higher education and the ways in which the practice of assessment can help explain and mitigate those issues. At some point in their careers, students will be asked to design, execute, or evaluate a body of research. Course provides fundamental knowledge and skills necessary to engage in social science research, particularly research in education.

### EDUC290 - Selected Topics

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<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>EDUC</td>
<td>290</td>
<td>Selected Topics</td>
</tr>
</tbody>
</table>

### EDUC290A - Duke-Administered Study Abroad: Special Topics in Education

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<tr>
<th>Subject</th>
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<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDUC</td>
<td>290A</td>
<td>Duke-Administered Study Abroad: Special Topics in Education</td>
</tr>
</tbody>
</table>

**Description**
Topics differ by section.

### EDUC290S - Selected Topics

<table>
<thead>
<tr>
<th>Subject</th>
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<th>Title</th>
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<tbody>
<tr>
<td>EDUC</td>
<td>290S</td>
<td>Selected Topics</td>
</tr>
</tbody>
</table>

**Description**
Selected topics seminar.
EDUC290T - Freshman-Sophomore Tutorials (TOP)

**Subject**: EDUC

**Catalog Number**: 290T

**Title**: Freshman-Sophomore Tutorials (TOP)

**Description**
Small group discussions of significant books, authors, and ideas in education. May be repeated. Consent of instructor and Director of Undergraduate Studies required.

EDUC303S - De/Re/Segregation in Education: A Case of Back to the Future?

**Subject**: EDUC

**Catalog Number**: 303S

**Title**: De/Re/Segregation in Education: A Case of Back to the Future?

**Description**
Course traces timeline of segregation, desegregation, integration and resegregation in education in the United States, from policies and practices first enacted at this nation's birth through current policies and practices that challenge our commitments to opportunity, equality, and equity. Course invites students to study historical and contemporary practices in education, comparing segregation and resegregation as moments in the education history of the US, taking recent developments in North Carolina education policy and practice as cases to enrich understanding. Students engage in a minimum of 20 hours of planned service activities.

EDUC307S - Issues of Education and Immigration

**Subject**: EDUC

**Catalog Number**: 307S

**Title**: Issues of Education and Immigration

**Description**
Topics include Latino/a/x identities, educational pathways for Spanish-speakers in our community, relevant public policy and legislation, and social action. Required 20 hours outside of class with assigned community partners. Assessment on knowledge of content, oral and written Spanish, and participation in service. One 300-level Spanish course recommended prior to enrolling.

EDUC315S - Argument Across the Disciplines

**Subject**: EDUC

**Catalog Number**: 315S

**Title**: Argument Across the Disciplines

**Description**
This course provides practice in analyzing and using the conventions of research writing in students' chosen disciplines and hones students' awareness of how these conventions make the advancement of disciplinary knowledge possible. This course will be most useful for students who are considering multiple majors, research-intensive projects or theses, and students who are considering graduate school or any job that will require them to work closely with findings produced by researchers. Prerequisite: Writing 101.

EDUC333S - Legal Issues in Education

**Subject**: EDUC

**Catalog Number**: 333S

**Title**: Legal Issues in Education

**Description**
A case analysis approach giving students an opportunity to identify and review past, current, and emerging legal issues and theories in education. Topics include students' rights (for example search and seizures, due process), institutional liability and teacher's rights at the elementary and secondary levels and in the college setting.

EDUC345S - Asians in American Higher Education: Trends and Issues

**Subject**: EDUC

**Catalog Number**: 345S

**Title**: Asians in American Higher Education: Trends and Issues

**Description**
An interdisciplinary examination of the history and experience of students of Asian descent at the higher education level, including demographic trends, sociocultural development, and access and support. Special attention will be given to intragroup diversity within the Asian/American community in today's global context.
# EDUC347S - The University as a Culture: A Survivor's Guide

**Subject** | EDUC  
---|---  
**Catalog Number** | 347S  
**Title** | The University as a Culture: A Survivor's Guide  

**Description**  
The university generates some of the most influential forms of knowledge in the world, yet we seldom examine the historically specific cultural, social, political, and economic conditions under which knowledge is produced in the laboratories, classrooms, offices, dormitories, Greek-letter societies, and sports complexes that are the infrastructure of the academy. This course will employ readings from a range of disciplines, as well as the investigative and interpretive methods of cultural anthropology, to examine the taken-for-granted context of university life.

# EDUC356S - Digital Durham

**Subject** | EDUC  
---|---  
**Catalog Number** | 356S  
**Title** | Digital Durham  

**Description**  
Representing Durham past and present with digital media. Digitize historical and cultural materials, research in archives and public records and present information through various forms including web pages, databases, maps, video and other media. Analysis of social impact of new representations of place and space.

# EDUC390T-1 - Junior-Senior Tutorials (Topics)

**Subject** | EDUC  
---|---  
**Catalog Number** | 390T-1  
**Title** | Junior-Senior Tutorials (Topics)  

**Description**  
Small group discussions of significant books, authors, and ideas in education. The availability of tutorials, their content, and the instructors will be announced before preregistration. Consent of instructor required.

# EDUC390T-2 - Junior-Senior Tutorials

**Subject** | EDUC  
---|---  
**Catalog Number** | 390T-2  
**Title** | Junior-Senior Tutorials  

**Description**  
Small group discussions of significant authors and ideas in education. Different courses indicated by letter. May be repeated. Consent of instructor required.

# EDUC391 - Independent Study

**Subject** | EDUC  
---|---  
**Catalog Number** | 391  
**Title** | Independent Study  

**Description**  
Directed readings in a field of special interest under the supervision of a faculty member, the central goal of which is a substantive paper or project on a previously approved topic. Consent of instructor and director of undergraduate studies required.

# EDUC393 - Research Independent Study

**Subject** | EDUC  
---|---  
**Catalog Number** | 393  
**Title** | Research Independent Study  

**Description**  
Individual research in a field of special interest under the supervision of a faculty member, the central goal of which is a substantive research paper or written report containing significant analysis and interpretation of a previously approved topic. Consent of instructor and director of undergraduate studies required.
<table>
<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDUC401S - The Adventure of Citizenship: Lives of Civic Engagement</td>
<td>EDUC 401S</td>
<td>The Adventure of Citizenship: Lives of Civic Engagement</td>
<td>What does it mean to be a citizen and live a civic life? In this course students will integrate academic content with their own community based experiences to understand and critique their understandings of civic engagement and social change. Students will reflect on their Duke experience and begin to chart their post Duke futures. They will gain knowledge of the historical context of democratic citizenship, understanding of the relationship between theory and practice, and familiarity with the contestations of civic engagement that emerge from considerations of race, class, and gender. Students will undertake independent projects to study those who have lived civic lives.</td>
</tr>
<tr>
<td>EDUC408S - Teaching Practices in Elementary Language Arts and Social Studies</td>
<td>EDUC 408S</td>
<td>Teaching Practices in Elementary Language Arts and Social Studies</td>
<td>Research-based teaching practices in elementary language arts and social studies for culturally diverse populations. Emphasis on literacy development across grade levels and content areas. Readings and field experience promoting critical analysis of ethical teaching practices, role of teachers and schools in society, and impact of teacher effect on environment and student learning. Consent of instructor required. Includes a service-learning component involving work in the community.</td>
</tr>
<tr>
<td>EDUC409S - Elementary Curriculum</td>
<td>EDUC 409S</td>
<td>Elementary Curriculum</td>
<td>Analysis, development, and evaluation of elementary curriculum with emphasis on integrating the expressive arts with literacy, mathematics, social studies, and science. Using Gardner’s multiple intelligences model of learning, students write comprehensive curriculum units that focus on meeting the needs of learners from diverse social, ethnic, and cultural groups. Consent of instructor required.</td>
</tr>
<tr>
<td>EDUC410S - Research/Reflective Practice Elementary Education</td>
<td>EDUC 410S</td>
<td>Research/Reflective Practice Elementary Education</td>
<td>Classroom-based action research and structured reflection to promote the development of inquiry-oriented teachers. Systematic, long-term research project focused on meeting the diverse needs of learners in the elementary classroom. Consent of instructor required.</td>
</tr>
<tr>
<td>EDUC420 - Elementary Education: Practicum</td>
<td>EDUC 420</td>
<td>Elementary Education: Practicum</td>
<td>Engagement, as part of a teaching practicum in elementary schools, in active classroom research projects by designing, implementing, and evaluating units of instruction. Creation of a portfolio of products to demonstrate technology competencies for teaching certification. Students also reflect and write on ethical issues involved in their service experiences in public schools. Instructor consent required. Service-Learning course.</td>
</tr>
<tr>
<td>Subject</td>
<td>Catalog Number</td>
<td>Title</td>
<td>Description</td>
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</tr>
<tr>
<td>EDUC</td>
<td>420-1</td>
<td>Elementary Education: Practicum</td>
<td>Engagement, as part of a teaching practicum in elementary schools, in active classroom research projects by designing, implementing, and evaluating units of instruction. Creation of a portfolio of products to demonstrate technology competencies for teaching certification. Students also reflect and write on ethical issues involved in their service experiences in public schools. Includes an optional pre-semester guided study, either domestic or global, focused on culturally and socially responsive teaching and learning. Instructor consent required. Service-Learning course.</td>
</tr>
<tr>
<td>EDUC</td>
<td>430S</td>
<td>What's Next: Women, Leadership, Purpose</td>
<td>Interdisciplinary analysis of the history of ideas about women and the professions with emphasis on women's actions, past, present and future. The changing status of women in professional life; ethical and political implications of public and personal decision-making. Study of research and writing by and about women in professional fields; interviews with working women. Research paper integrating students' major, the internship experience and their future goals required. Senior seminar open only to Baldwin Scholars. Consent of instructor required.</td>
</tr>
<tr>
<td>EDUC</td>
<td>490A</td>
<td>Duke-Administered Study Abroad: Advanced Special Topics in Education</td>
<td>Topics differ by section.</td>
</tr>
<tr>
<td>EDUC</td>
<td>490S</td>
<td>Selected Topics</td>
<td>Selected topics seminar.</td>
</tr>
<tr>
<td>EDUC</td>
<td>495</td>
<td>Teaching Practices in Secondary Education</td>
<td>Secondary School curriculum and instruction with special emphasis placed on meeting the needs of high school students from diverse cultural backgrounds. Includes field-based experience with a focus on examining ethical teaching practices.</td>
</tr>
<tr>
<td>EDUC</td>
<td>496S</td>
<td>Secondary School Issues: Pedagogy, Culture, and Methods</td>
<td>Examination of schools and classrooms of the twenty-first century with focus on values, beliefs, and assumptions underlying teaching and learning in high school. Emphasis on ethical issues in teaching, pedagogical and methodological practices, teacher leadership, and impact of technology on schooling. Exploration of social fabric of schools as related to diversity, educational philosophies, and school culture by viewing these constructs from divergent perspectives. Students complete an extensive research project based on fieldwork in a local high school.</td>
</tr>
</tbody>
</table>
### EDUC 497S - Seminar in Secondary School Teaching

**Subject** | **Catalog Number** | **Title**  
---|---|---  
EDUC | 497S | Seminar in Secondary School Teaching  

**Description**
Principles, practices, and problems in secondary school instruction, including a focus on values and ethics in teaching. Consent of instructor required.

### EDUC 498 - Secondary Education: Practicum

**Subject** | **Catalog Number** | **Title**  
---|---|---  
EDUC | 498 | Secondary Education: Practicum  

**Description**
Supervised practicum in a local high school focused on integration of educational theories and effective teaching practices. Design, implementation, and evaluation of units of instruction. Creation of portfolio to demonstrate competencies for teaching certification in a specific secondary content field. Instructor consent required.

### EDUC 498-1 - Secondary Education: Practicum

**Subject** | **Catalog Number** | **Title**  
---|---|---  
EDUC | 498-1 | Secondary Education: Practicum  

**Description**
Supervised practicum in a local high school focused on integration of educational theories and effective teaching practices. Design, implementation, and evaluation of units of instruction. Creation of portfolio to demonstrate competencies for teaching certification in a specific secondary content field. Includes an optional pre-semester guided study, either domestic or global, focused on culturally and socially responsive teaching and learning. Instructor consent required.

### EDUC 89S - First-Year Seminar

**Subject** | **Catalog Number** | **Title**  
---|---|---  
EDUC | 89S | First-Year Seminar  

**Description**
Topics vary each semester.

### EGR 101L - Engineering Design and Communication

**Subject** | **Catalog Number** | **Title**  
---|---|---  
EGR | 101L | Engineering Design and Communication  

**Description**
Students work in a team to learn and apply the engineering design process to solve an open-ended, client-based problem drawn from a community partner. In this class, students learn to apply the engineering design process to meet the needs of a client, iteratively prototype using tools and materials appropriate to the solution, work collaboratively on a team, and communicate the critical steps in the design process in written, oral, and visual formats. First-year Pratt students only. Trinity first-year students may take the course with instructor consent.

### EGR 102L - Design to Deliver

**Subject** | **Catalog Number** | **Title**  
---|---|---  
EGR | 102L | Design to Deliver  

**Description**
Students work in a team to apply the engineering design process to complete an open-ended, client-based problem drawn from a community partner. Prerequisite: Engineering 101L.
## EGR103L - Computational Methods in Engineering
### Subject
EGR

### Catalog Number
103L

### Title
Computational Methods in Engineering

### Description
Introduction to computer methods and algorithms for analysis and solution of engineering problems using numerical methods in a workstation environment. Topics include; numerical integration, roots of equations, simultaneous equation solving, finite difference methods, matrix analysis, linear programming, dynamic programming, and heuristic solutions used in engineering practice. This course does not require any prior knowledge of computer programming.

## EGR121L - Engineering Innovation
### Subject
EGR

### Catalog Number
121L

### Title
Engineering Innovation

### Description
Introduces first years to the process of team-based creative conceptualization, visualization prototyping, and product realization. Students use computer-aided design tools to create custom circuit boards and computer numerically controlled (CNC) machined components to produce prototype systems. Design concepts are introduced and supported through hands-on assignments.

## EGR190 - Special Topics in Engineering
### Subject
EGR

### Catalog Number
190

### Title
Special Topics in Engineering

### Description
Study arranged on special engineering topics in which the faculty have particular interest and competence as a result of research or professional activities. Consent of instructor(s) required.

## EGR190A - Duke-Administered Study Abroad: Special Topics in Engineering
### Subject
EGR

### Catalog Number
190A

### Title
Duke-Administered Study Abroad: Special Topics in Engineering

### Description
Topics vary by semester. Instructor consent required.

## EGR190AS - Duke-Administered Study Abroad: Special Topics in Engineering
### Subject
EGR

### Catalog Number
190AS

### Title
Duke-Administered Study Abroad: Special Topics in Engineering

### Description
Topics vary by semester. Instructor consent required.

## EGR201L - Mechanics of Solids
### Subject
EGR

### Catalog Number
201L

### Title
Mechanics of Solids

### Description
Analysis of force systems and their equilibria as applied to engineering systems. Stresses and strains in deformable bodies; mechanical behavior of materials; applications of principles to static problems of beams, torsion members, and columns. Selected laboratory work. Prerequisites: Mathematics 112 and Physics 151L.

## EGR206 - Engineering Communication
### Subject
EGR

### Catalog Number
206

### Title
Engineering Communication

### Description
Principles of written and verbal technical communication; graphs, tables, charts and figures, Multimedia content generation and presentation. Individual and group written and verbal presentations. Prerequisite: Engineering 103L and Writing 101 or equivalent.
EGR224L - Electrical Fundamentals of Mechatronics

Subject: EGR  
Catalog Number: 224L  
Title: Electrical Fundamentals of Mechatronics  

Description:
Introduction to mechatronics with a special emphasis on electrical components, sensing, and information processing. Topics include circuit analysis and design, system response characterization, conversion between digital and analog signals, data acquisition, sensors, and motors. Laboratory projects focus on analysis, characterization, and design of electrical and mechatronic systems. Prerequisite: (Engineering 103L or Computer Science 201); (Mathematics 112L or 22 or equivalent); and (Physics 152L or equivalent).

EGR238L - Fundamentals of Data Analysis and Decision Science

Subject: EGR  
Catalog Number: 238L  
Title: Fundamentals of Data Analysis and Decision Science  

Description:
This course provides a mathematically rigorous and broad foundation for key concepts in probability and statistics, as well as the application of probability and statistics to the mathematical modeling of non-deterministic systems. The main motivation of the course is to show how these concepts are fundamental to a variety of current data analysis techniques, and to demonstrate applications of these techniques in situations relevant to all engineering majors. Prerequisite: (Mathematics 216, 218, or 221) and (Engineering 103L or Computer Science 101L).

EGR244L - Dynamics

Subject: EGR  
Catalog Number: 244L  
Title: Dynamics  

Description:
Principles of dynamics of particles, rigid bodies, and selected nonrigid systems with emphasis on engineering applications. Kinematic and kinetic analysis of structural and machine elements in a plane and in space using graphical, computer, and analytical vector techniques. Absolute and relative motion analysis. Work-energy; impact and impulse-momentum. Laboratory experiments. Prerequisite: Engineering 201L and (Mathematics 212 or 219) or consent of instructor.

EGR305 - Engineering Systems Optimization and Economics

Subject: EGR  
Catalog Number: 305  
Title: Engineering Systems Optimization and Economics  

Description:
Introduction to mathematical optimization, engineering economic analysis, and other decision analysis tools used to evaluate and design engineering systems. Application of linear and nonlinear programming, dynamic programming, expert systems, simulation and heuristic methods to engineering systems design problems. Applications discussed include: production plant scheduling, water resources planning, design and analysis, vehicle routing, resource allocation, repair and rehabilitation scheduling and economic analysis of engineering design alternatives. Pratt students may not use this course toward the SS/H degree requirement. Corequisite: Mathematics 216.

EGR355 - Smart Home Technology Development

Subject: EGR  
Catalog Number: 355  
Title: Smart Home Technology Development  

Description:
Engineering projects related to the Duke Smart Home Program are undertaken. Projects should be interdisciplinary in nature and have engineering relevance in the sense of undertaking to meet human need through a disciplined approach under the guidance of a member of the engineering faculty. Consent of instructor is required.

EGR391 - Projects in Engineering

Subject: EGR  
Catalog Number: 391  
Title: Projects in Engineering  

Description:
Courses in which engineering projects of an interdisciplinary nature are undertaken. The projects must have engineering relevance in the sense of undertaking to meet human need through a disciplined approach under the guidance of a member of the engineering faculty. Consent of instructor required.
EGR393 - Research Projects in Engineering

**Subject**: EGR  
**Catalog Number**: 393  
**Title**: Research Projects in Engineering

**Description**
Individual research projects in engineering under the guidance and supervision of a faculty member, the central goal of which is a substantive paper or written report containing significant analysis and interpretation of a previously approved topic. Consent of instructor required.

EGR424L - Energy and Environment Design

**Subject**: EGR  
**Catalog Number**: 424L  
**Title**: Energy and Environment Design

**Description**
An integrative design course addressing both creative and practical aspects of the design of systems related to energy and the environment. Development of the creative design process, including problem formulation and needs analysis, feasibility, legal, economic and human factors, environmental impacts, energy efficiency, aesthetics, safety, and design optimization. Application of design methods through a collaborative design project involving students from the Pratt School of Engineering and Trinity College. Open only to students pursuing the undergraduate certificate in Energy and Environment. Prerequisites: Civil Engineering 160L, Environment 330 and Mechanical Engineering 461.

EGR491 - Projects in Engineering

**Subject**: EGR  
**Catalog Number**: 491  
**Title**: Projects in Engineering

**Description**
Courses in which engineering projects of an interdisciplinary nature are undertaken. The projects must have engineering relevance in the sense of undertaking to meet human need through a disciplined approach under the guidance of a member of the engineering faculty. Consent of instructor required.

EGR79 - Thrive

**Subject**: EGR  
**Catalog Number**: 79  
**Title**: Thrive

**Description**
Students engage in small group discussions and activities to explore knowledge of self, build resilience, create a community, and develop personal well-being. Students apply wellness strategies to everyday life, as well as coping strategies for life's challenges. Additional topics include: personal values, healthy relationships, stress and mental health, self-awareness, personality types, team dynamics, and accessing campus resources. Course is intended to help engineering students thrive at Duke University. Open only to first-year engineering students.

EGR79D - Thrive

**Subject**: EGR  
**Catalog Number**: 79D  
**Title**: Thrive

**Description**
Students engage in small group discussions and activities to explore knowledge of self, build resilience, create a community, and develop personal well-being. Students apply wellness strategies to everyday life, as well as coping strategies for life's challenges. Additional topics include: personal values, healthy relationships, stress and mental health, self-awareness, personality types, team dynamics, and accessing campus resources. Course is intended to help engineering students thrive at Duke University. Open only to first-year engineering students.

EGR79S - Thrive

**Subject**: EGR  
**Catalog Number**: 79S  
**Title**: Thrive

**Description**
Students engage in small group discussions and activities to explore knowledge of self, build resilience, create a community, and develop personal well-being. Students apply wellness strategies to everyday life, as well as coping strategies for life's challenges. Additional topics include: personal values, healthy relationships, stress and mental health, self-awareness, personality types, team dynamics, and accessing campus resources. Course is intended to help engineering students thrive at Duke University. Open only to first-year engineering students.
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<thead>
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</tr>
</thead>
<tbody>
<tr>
<td>EGR</td>
<td>89S</td>
<td>First-Year Seminar</td>
<td>Topics vary each semester offered.</td>
</tr>
<tr>
<td>EGR</td>
<td>90L</td>
<td>Introduction to Engineering</td>
<td>This course is designed to introduce students to the study and practice of engineering. Presentations will be made by representatives of all four engineering departments as well as outside practitioners, researchers, and industrial leaders. Selected group design and/or laboratory modules will be required of all participants. Satisfactory/Unsatisfactory grading only.</td>
</tr>
<tr>
<td>EGR</td>
<td>95FS</td>
<td>First Year seminar in Focus</td>
<td>Topics vary each semester offered. Focus students only.</td>
</tr>
<tr>
<td>EHD</td>
<td>190</td>
<td>Special Topics in Education and Human Development</td>
<td>Topics vary by semester. Check individual semester offerings for prerequisites. Instructor consent may be required.</td>
</tr>
<tr>
<td>EHD</td>
<td>190S</td>
<td>Special Topics in Education and Human Development</td>
<td>Topics vary by semester. Check individual semester offerings for prerequisites. Instructor consent may be required.</td>
</tr>
<tr>
<td>EHD</td>
<td>290T</td>
<td>Special Topics in Education and Human Development: Tutorial</td>
<td>Topics vary by semester. Taught online.</td>
</tr>
<tr>
<td>Course Code</td>
<td>Course Name</td>
<td>Subject</td>
<td>Catalog Number</td>
</tr>
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<tr>
<td>EHD390</td>
<td>Special Topics in Education and Human Development</td>
<td>EHD</td>
<td>390</td>
</tr>
<tr>
<td>EHD390S</td>
<td>Special Topics in Education and Human Development</td>
<td>EHD</td>
<td>390S</td>
</tr>
<tr>
<td>EHD393</td>
<td>Research Independent Study</td>
<td>EHD</td>
<td>393</td>
</tr>
<tr>
<td>EHD395</td>
<td>Bass Connections: Interdisciplinary Team Projects</td>
<td>EHD</td>
<td>395</td>
</tr>
<tr>
<td>EHD395-1</td>
<td>Bass Connections: Interdisciplinary Team Projects</td>
<td>EHD</td>
<td>395-1</td>
</tr>
<tr>
<td>EHD395T</td>
<td>Bass Connections Education &amp; Human Development Research Team</td>
<td>EHD</td>
<td>395T</td>
</tr>
</tbody>
</table>
EHD396 - Bass Connections: Interdisciplinary Team Projects

Subject: EHD  
Catalog Number: 396  
Title: Bass Connections: Interdisciplinary Team Projects  

Description: Teams of undergraduate and graduate students work with faculty supervisors to identify, refine, explore and develop solutions to pressing social issues. Teams may also include postdoctoral fellows, visiting fellows, and other experts from businesses, government, and the non-profit sector. A team’s work may run in parallel with, or contribute to, an ongoing research project. Teams will participate in seminars, lectures, field work and other learning experiences relevant to the project. Requires final paper or product containing significant analysis and interpretation. Instructor consent required.

EHD396-1 - Bass Connections: Interdisciplinary Team Projects

Subject: EHD  
Catalog Number: 396-1  
Title: Bass Connections: Interdisciplinary Team Projects  

Description: Half-credit version of EHD 396. Teams of undergraduate and graduate students work with faculty supervisors to identify, refine, explore and develop solutions to pressing social issues. Teams may also include postdoctoral fellows, visiting fellows, and other experts from business, government, and the non-profit sector. A team’s work may run in parallel with or contribute to an ongoing research project. Teams will participate in seminars, lectures, field work and other learning experiences relevant to the project. Requires final paper or product containing significant analysis and interpretation. Instructor consent required.

EHD396T - Bass Connections Education & Human Development Research Team

Subject: EHD  
Catalog Number: 396T  
Title: Bass Connections Education & Human Development Research Team  

Description: Tutorial course for Bass Connections yearlong project team. Topics vary depending on semester and section. Teams of undergraduate and graduate students work with faculty to explore factors that contribute to positive outcomes across the human lifespan, including influences on education, health and human flourishing. Teams may also include external partners. A team’s work may run in parallel with or contribute to an ongoing research project. Teams will participate in seminars, data collection and analysis, field work and other relevant learning experiences. Requires final paper or product containing significant analysis and interpretation. Instructor consent required.

EHD490 - Special Topics in Education and Human Development

Subject: EHD  
Catalog Number: 490  
Title: Special Topics in Education and Human Development  

Description: Topics vary by semester. Check individual semester offerings for additional prerequisites. Instructor permission may be required.
### EHD490S - Special Topics in Education and Human Development

**Subject** | **Catalog Number** | **Title**            |
--- | --- | --- |
EHD     | 490S   | Special Topics in Education and Human Development |

**Description**
Topics vary by semester. Check individual semester offerings for prerequisites. Instructor consent may be required.

### ENERGY178FS - Energy Policy for a Changing World

**Subject** | **Catalog Number** | **Title**            |
--- | --- | --- |
ENERGY  | 178FS  | Energy Policy for a Changing World |

**Description**
Energy use is essential to all aspects of modern life and a significant determinant of economic and social opportunity throughout the world. Yet energy use can also have detrimental effects on the environment and society—climate change being the most grave example. This course will explore how public policies affect the way that energy is produced and used and how policies can be designed to advance a more accessible, affordable, reliable and clean energy system. It will draw on material from multiple disciplines to gain a deeper understanding of the array of factors affecting our current energy system. Focus program students only.

### ENERGY188FS - History of Energy Use and Power Generation

**Subject** | **Catalog Number** | **Title**            |
--- | --- | --- |
ENERGY  | 188FS  | History of Energy Use and Power Generation |

**Description**
The use of energy throughout human history is explored, starting from the beginnings of humanity to modern power generation. This course will consider the development of different energy sources over time, the history of energy conversion and storage technologies, and the establishment of modern thermal sciences. A major focus is the investigation of how these developments affected societal, economic, military, and technological change and growth. Understanding the historical trends related to energy use and power generation will allow for better informed prediction of humanity's energy future. Open only to students in the Focus program.

### ENERGY190 - Special Topics in Energy

**Subject** | **Catalog Number** | **Title**            |
--- | --- | --- |
ENERGY  | 190    | Special Topics in Energy |

**Description**
Topics vary by semester.
ENERGY190FS - Focus Program Seminar in Energy: Special Topics

Subject: ENERGY
Catalog Number: 190FS
Title: Focus Program Seminar in Energy: Special Topics

Description:
Topics vary by semester. Open only to students in the Focus Program. Department consent required.

ENERGY231 - Energy and the Environment

Subject: ENERGY
Catalog Number: 231
Title: Energy and the Environment

Description:
Overview of the challenges confronting humanity as a consequence of our reliance on energy. Challenges include dwindling supplies, rising demand and environmental degradation. Realistic responses require an understanding of the complexity of the energy system, including energy resources, uses, and impacts, in the context of social, political and economic imperatives. Lectures will be augmented by presentations from guest speakers from industry, government and non-profit organizations.

ENERGY290 - Special Topics in Energy

Subject: ENERGY
Catalog Number: 290
Title: Special Topics in Energy

Description:
Topics vary by semester.

ENERGY310 - Introduction to Energy Generation, Delivery, Conversion and Efficiency

Subject: ENERGY
Catalog Number: 310
Title: Introduction to Energy Generation, Delivery, Conversion and Efficiency

Description:
An overall introduction to energy issues as they related to generation, delivery, conversion and efficiency. Topics include efficiencies of both new and established energy generation and conversion methods, electricity generation by fossil fuels, nuclear, solar, wind and hydropower and alternative energy technologies. Other topics include space heating and cooling by traditional methods and by solar, transportation energy in automobiles, mass transit and freight. Topics are evaluated quantitatively by modeling and using principles of fluid mechanics, thermodynamics and heat transfer. The environmental consequences of energy choices on local, national and global scales, including toxic emissions, greenhouse gases and resource depletion are also discussed in integrated throughout the course. Prerequisite: Mechanical Engineering 331L, or Mechanical Engineering 512, or Physics 311, or similar thermodynamics, or consent of instructor. Course is not open to students who have taken Mechanical Engineering 461.
<table>
<thead>
<tr>
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</thead>
<tbody>
<tr>
<td>ENERGY</td>
<td>325S</td>
<td>Economic Analysis of Current Energy Issues</td>
</tr>
<tr>
<td>ENERGY</td>
<td>364</td>
<td>Green Germany: World Leader in Environmental Policy</td>
</tr>
<tr>
<td>ENERGY</td>
<td>383</td>
<td>Engineering the Global Middle East</td>
</tr>
<tr>
<td>ENERGY</td>
<td>390</td>
<td>Special Topics in Energy</td>
</tr>
</tbody>
</table>

**ENERGY325S - Economic Analysis of Current Energy Issues**

**Subject**: ENERGY  
**Catalog Number**: 325S  
**Title**: Economic Analysis of Current Energy Issues  
**Description**: Examination of present-day sources and end-users of energy in U.S. and selected foreign nations with attention to external cost of energy systems. Fossil fuel prospects, new and renewable energy sources and nuclear power. Opportunities for increasing energy productivity. Proposals for dealing with climate change. Course equips students to evaluate proposals and arguments from all sides of the energy debates using facts and analysis. Prerequisite: Economics 201D.

**ENERGY364 - Green Germany: World Leader in Environmental Policy**

**Subject**: ENERGY  
**Catalog Number**: 364  
**Title**: Green Germany: World Leader in Environmental Policy  
**Description**: Exploration of Germany's leading global role in developing and implementing 'green' technologies and environmental policies. Analyzes Germany's current and past policies on energy, agriculture, and pollution control. Examines policies in context by studying German ideas about nature, history of German environmentalism, and by looking at Green Germany in European and global perspective. Discusses extent ethics can or ought to influence debates about global climate change and its ramifications. Readings include scholarly studies, exemplary policies, and groundbreaking ecological texts.

**ENERGY383 - Engineering the Global Middle East**

**Subject**: ENERGY  
**Catalog Number**: 383  
**Title**: Engineering the Global Middle East  
**Description**: This class is a global techno-environmental history, with a special emphasis on the modern Middle East. We will interrogate the many ways in which the transformation of nature and transfer of technologies has rearranged political relations within and between states in the last two hundred years. We shall survey the social history of technology, of engineering, infrastructural developments, urbanization, and energy resources. Students in this course will learn how to do research through the lenses of environmental history and science and technology studies using the methods of microhistory.

**ENERGY390 - Special Topics in Energy**

**Subject**: ENERGY  
**Catalog Number**: 390  
**Title**: Special Topics in Energy  
**Description**: Topics vary by semester.
<table>
<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
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</thead>
<tbody>
<tr>
<td>ENERGY</td>
<td>390S</td>
<td>Special Topics in Energy</td>
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<tr>
<td>ENERGY</td>
<td>393T</td>
<td>Bass Connections Energy &amp; Environment Research Team</td>
</tr>
<tr>
<td>ENERGY</td>
<td>394T</td>
<td>Bass Connections Energy &amp; Environment Research Team</td>
</tr>
<tr>
<td>ENERGY</td>
<td>395</td>
<td>Connections in Energy: Interdisciplinary Team Projects</td>
</tr>
</tbody>
</table>

**ENERGY390S - Special Topics in Energy**

**Description**
Topics vary by semester.

**ENERGY393T - Bass Connections Energy & Environment Research Team**

**Description**
Bass Connections Year-long Project Team. Topics vary depending on semester and section. Teams of undergraduate and graduate students work with faculty to address critical energy and environmental challenges. Teams may also include postdoctoral fellows and experts from business, government and the non-profit sector. A team's work may run in parallel with or contribute to an on-going research project. Teams will participate in seminars, data collection and analysis, lab work, field work and other learning experiences relevant to the project. Requires final paper or product containing significant analysis and interpretation. Instructor consent required.

**ENERGY394T - Bass Connections Energy & Environment Research Team**

**Description**
Bass Connections Year-long Project Team. Topics vary depending on semester and section. Teams of undergraduate and graduate students work with faculty to address critical energy and environmental challenges. Teams may also include postdoctoral fellows and experts from business, government and the non-profit sector. A team's work may run in parallel with or contribute to an on-going research project. Teams will participate in seminars, data collection and analysis, lab work, field work and other learning experiences relevant to the project. Requires final paper or product containing significant analysis and interpretation. Instructor consent required.

**ENERGY395 - Connections in Energy: Interdisciplinary Team Projects**

**Description**
Teams of undergraduate and graduate students work with faculty supervisors to identify, refine, explore and develop solutions to pressing energy issues. Teams may also include postdoctoral fellows, visiting energy fellows, and other experts from business, government, and the non-profit sector. A team's work may run in parallel with or contribute to an on-going research project. Teams will participate in seminars, lectures, field work and other learning experiences relevant to the project. Requires substantive paper or product containing significant analysis and interpretation. Instructor consent required.
### ENERGY395-1 - Connections in Energy: Interdisciplinary Team Projects

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<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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<tbody>
<tr>
<td>ENERGY</td>
<td>395-1</td>
<td>Connections in Energy: Interdisciplinary Team Projects</td>
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</tbody>
</table>

**Description**
Teams of undergraduate and graduate students work with faculty supervisors to identify, refine, explore and develop solutions to pressing energy issues. Teams may also include postdoctoral fellows, visiting energy fellows, and other experts from business, government, and the non-profit sector. A team's work may run in parallel with or contribute to an ongoing research project. Teams will participate in seminars, lectures, field work and other learning experiences relevant to the project. Requires substantive paper or product containing significant analysis and interpretation. Instructor consent required.

### ENERGY395A - Connections in Energy: Interdisciplinary Team Projects

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<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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<tbody>
<tr>
<td>ENERGY</td>
<td>395A</td>
<td>Connections in Energy: Interdisciplinary Team Projects</td>
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</tbody>
</table>

**Description**
Teams of undergraduate and graduate students work with faculty supervisors to identify, refine, explore and develop solutions to pressing energy issues. Teams may also include postdoctoral fellows, visiting energy fellows, and other experts from business, government, and the non-profit sector. A team's work may run in parallel with or contribute to an ongoing research project. Teams will participate in seminars, lectures, field work and other learning experiences relevant to the project. Requires substantive paper or product containing significant analysis and interpretation. Instructor consent required.

Taught in Beaufort at Duke Marine Lab.

### ENERGY395T - Bass Connections Energy & Environment Research Team

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<th>Subject</th>
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<tr>
<td>ENERGY</td>
<td>395T</td>
<td>Bass Connections Energy &amp; Environment Research Team</td>
</tr>
</tbody>
</table>

**Description**
Tutorial course for Bass Connections yearlong project team. Topics vary depending on semester and section. Teams of undergraduate and graduate students work with faculty to address critical energy and environmental challenges. Teams may also include postdoctoral fellows and experts from business, government and the non-profit sector. A team's work may run in parallel with or contribute to an ongoing research project. Teams will participate in seminars, data collection and analysis, lab work, field work and other learning experiences relevant to the project. Requires final paper or product containing significant analysis and interpretation. Instructor consent required.

### ENERGY395TA - Bass Connections Energy & Environment Research Team

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<th>Subject</th>
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<tr>
<td>ENERGY</td>
<td>395TA</td>
<td>Bass Connections Energy &amp; Environment Research Team</td>
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</table>

**Description**
Bass Connections Year-long Project Team. Topics vary depending on semester and section. Teams of undergraduate and graduate students work with faculty to address critical energy and environmental challenges. Teams may also include postdoctoral fellows and experts from business, government and the non-profit sector. A team's work may run in parallel with or contribute to an ongoing research project. Teams will participate in seminars, data collection and analysis, lab work, field work and other learning experiences relevant to the project. Requires final paper or product containing significant analysis and interpretation. Instructor consent required.
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<th>Catalog Number</th>
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<tbody>
<tr>
<td>ENERGY</td>
<td>396</td>
<td>Connections in Energy: Interdisciplinary Team Projects</td>
<td>Teams of undergraduate and graduate students work with faculty supervisors to identify, refine, explore and develop solutions to pressing energy issues. Teams may also include postdoctoral fellows, visiting energy fellows, and other experts from business, government, and the non-profit sector. A team's work may run in parallel with or contribute to an on-going research project. Teams will participate in seminars, lectures, field work and other learning experiences relevant to the project. Requires substantive paper or product containing significant analysis and interpretation. Instructor consent required.</td>
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<tr>
<td>ENERGY</td>
<td>396-1</td>
<td>Connections in Energy: Interdisciplinary Team Projects</td>
<td>Teams of undergraduate and graduate students work with faculty supervisors to identify, refine, explore and develop solutions to pressing energy issues. Teams may also include postdoctoral fellows, visiting energy fellows, and other experts from business, government, and the non-profit sector. A team's work may run in parallel with or contribute to an on-going research project. Teams will participate in seminars, lectures, field work and other learning experiences relevant to the project. Requires substantive paper or product containing significant analysis and interpretation. Instructor consent required.</td>
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<td>ENERGY</td>
<td>396A</td>
<td>Connections in Energy: Interdisciplinary Team Projects</td>
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<tr>
<td>ENERGY</td>
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<td>Bass Connections Energy &amp; Environment Research Team</td>
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</table>
**ENERGY396TA - Bass Connections Energy & Environment Research Team**

**Description**
Bass Connections Year-long Project Team. Topics vary depending on semester and section. Teams of undergraduate and graduate students work with faculty to address critical energy and environmental challenges. Teams may also include postdoctoral fellows and experts from business, government and the non-profit sector. A team's work may run in parallel with or contribute to an on-going research project. Teams will participate in seminars, data collection and analysis, lab work, field work and other learning experiences relevant to the project. Requires final paper or product containing significant analysis and interpretation. Instructor consent required.

**ENERGY89S - Special Topics: First-Year Seminar**

**Description**
First-year seminar. Topics vary by semester.

**ENGLISH101S - The Art of Reading**

**Description**
An introduction to the skills of critical reading through the close examination of literary works, or other media such as film.

**ENGLISH110S - Introduction to Creative Writing**

**Description**
A multi-genre course designed for students who have little or no previous experience producing imaginative literary texts. This course does not count toward the English major, but would count toward the minor in creative writing.

**ENGLISH171 - Representative American Writers**

**Description**
Continuation of English 161. Selections and complete works. James, Frost or Robinson, Crane or Dreiser, O'Neill, Faulkner, Hemingway, and others.

**ENGLISH172 - American Indians Go Graphic**

**Description**
Introductory-level American Indian Studies course that explores historic and contemporary Native Nation-centric topics through the medium of comic books and graphic novels. These topics include representation and racialization, differing forms of activism, economic development, and settler-colonial impacts.
**ENGLISH181 - Introduction to Film Studies**

Subject: ENGLISH  
Catalog Number: 181  
Title: Introduction to Film Studies  
Description: Basic film theory and history of motion picture technology. Introduction to experimental, documentary, and narrative forms of Third World, European, and United States cinemas.

**ENGLISH187A - Reading Theater in New York**

Subject: ENGLISH  
Catalog Number: 187A  
Title: Reading Theater in New York  
Description: Theater is a live art in which one assembly of people tells a story to another: the audience. This course introduces this art from two, interwoven perspectives. First we consider the scripts as artifacts of the past. We uncover the acting, directing, and design conventions that originally animated the scripts; the spaces for which they were intended; the audiences for which they were performed. Then we consider the scripts as blueprints for the present with the guidance of guest artists in New York (some from Duke’s alumni network) and site visits to theaters and rehearsal rooms. We see productions all plays, which are chosen from that season’s offerings in New York.

**ENGLISH190-1 - Special Topics in Language and Literature**

Subject: ENGLISH  
Catalog Number: 190-1  
Title: Special Topics in Language and Literature  
Description: Topics vary each semester.

**ENGLISH190FS-2 - Focus Program Seminar: Topics on Literature**

Subject: ENGLISH  
Catalog Number: 190FS-2  
Title: Focus Program Seminar: Topics on Literature  
Description: Topics vary each semester offered.

**ENGLISH190FS-3 - Focus Program Seminar: Topics on Linguistics**

Subject: ENGLISH  
Catalog Number: 190FS-3  
Title: Focus Program Seminar: Topics on Linguistics  
Description: Topics vary each semester.

**ENGLISH190S-1 - Special Topics in Language and Literature**

Subject: ENGLISH  
Catalog Number: 190S-1  
Title: Special Topics in Language and Literature  
Description: Topics vary each semester.
<table>
<thead>
<tr>
<th>Subject</th>
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<tbody>
<tr>
<td>ENGLISH</td>
<td>190SA</td>
<td>Duke-Administered Study Abroad: Special</td>
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<td>Topics in English</td>
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<td>Description</td>
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<td>Topics differ by section.</td>
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<tr>
<td>ENGLISH</td>
<td>198FS</td>
<td>Performing Science: Experimentation,</td>
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<td>Collaboration, and Artistry</td>
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<td>Combines a historical survey of science-</td>
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<td>themed plays with an examination of</td>
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<td>sci-arts initiatives such as the University</td>
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<td>of Western Australia's Symbiotica; the Art</td>
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<td></td>
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<td>&amp; Science Laboratory in New Mexico; and the</td>
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<td>UK's Centre for Performance Science.</td>
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<td>Central course questions:</td>
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<td>How can performing arts improve public</td>
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<td>awareness and knowledge about complex</td>
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<td>scientific ideas and research?</td>
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<td>What points of view and methods of research</td>
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<td>do artists bring to scientific inquiry and</td>
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<td>vice-versa?</td>
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<td>We will pay particular attention to</td>
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<td>secondary schools, contemporary art</td>
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<td>installations, and science museums as</td>
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<td>public laboratories for experimental,</td>
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<td>embodied collaborations across the two</td>
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<td>disciplines.</td>
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<td>Open only to students in the Focus Program.</td>
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<td>Department consent required.</td>
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<tr>
<td>ENGLISH</td>
<td>20</td>
<td>Literature and Composition</td>
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<td>Credit for Advanced Placement on the basis</td>
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<td>of the College Board examination in</td>
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<td>literature and composition</td>
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<td>ENGLISH</td>
<td>202</td>
<td>Introduction to Performance Studies</td>
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<td>Description</td>
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<td></td>
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<td>Introduction to field of performance</td>
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<td>studies, with examples drawn from music,</td>
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<td>dance, theatre, performance art, protests,</td>
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<td>rituals, and everyday life.</td>
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<td>Through comparative study of global</td>
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<td>performance, we explore the usefulness of</td>
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<td>concepts of ritual, play, and performativity</td>
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<td>as they relate to performance and</td>
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<td>technology; intercultural performance and</td>
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<td>implications and ethics of</td>
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<td>appropriation and borrowing; originality</td>
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<td>and imitation; archive and repertoire;</td>
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<td>performative writing; the</td>
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<td>performative dimensions of gender, race,</td>
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<td>and sexuality.</td>
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</tbody>
</table>
ENGLISH203A - The Arts, Culture, and Performance of New York

Subject  | Catalog Number | Title
---|---|---
ENGLISH  | 203A | The Arts, Culture, and Performance of New York

Description
This course introduces its participants to New York through its rich artistic, cultural, and performance offerings—drawn from art, dance, film, music, literature, and theater. Visiting all five boroughs, they contemplate how the identities of New Yorkers—informe by the city and by ability, class, ethnicity, gender, race, and sexuality—are performed in the theater of everyday life: in parks, streets, subways, and especially the city's diverse neighborhoods and restaurants.

ENGLISH204 - History of English

Subject  | Catalog Number | Title
---|---|---
ENGLISH  | 204 | History of English

Description
Introduction to methods and principles of historical linguistics, as exemplified by the history of the English language from Proto-Indo-European to the present. Not open to students who have taken English 208S. Satisfies the Criticism, Theory, and Methodology (CTM) for English majors.

ENGLISH206 - Variety in Language: English in the United States

Subject  | Catalog Number | Title
---|---|---
ENGLISH  | 206 | Variety in Language: English in the United States

Description
English language variation in the United States considered from a current sociolinguistic perspective. Social, regional, ethnic, gender, and stylistic-related language variation, along with models for describing and applying knowledge about language variation. Language variation focused on vernacular varieties of American English in general and on North Carolina in particular.

ENGLISH208S - Criticism and the Arts

Subject  | Catalog Number | Title
---|---|---
ENGLISH  | 208S | Criticism and the Arts

Description
This is a course in the critical practice of literary theory in relation to the arts—literature, but also possibly the visual and performing arts—that occasion and challenge it. Exemplars to be drawn from the Anglo-European, Trans-oceanic, and/or North American (including multicultural) oeuvres, both contemporary and established. Ultimate concern is to develop each student's own critical writing, drawing upon brilliant precedents, responding creatively to the literature/arts at hand, and crafting personal voice.

ENGLISH212S - Writing Across Borders

Subject  | Catalog Number | Title
---|---|---
ENGLISH  | 212S | Writing Across Borders

Description
This is a creative nonfiction writing course focused on the concept of crossing myriad borders. What kinds of borders should an ethical, empathetic person attempt to cross in writing, in life? Are there borders that should remain uncrossed? Students who have participated in—or plan to participate in—a study or work abroad program may wish to focus their inquiry on geographical border crossing and the questions that raises such as: how does one write critically—or sympathetically—about a culture outside one’s own without being arrogant or elitist? How much can any non-native expect to understand about a country—or culture—not their own?

ENGLISH212SA - Writing the City: New York As Subject and Source of Literary Production

Subject  | Catalog Number | Title
---|---|---
ENGLISH  | 212SA | Writing the City: New York As Subject and Source of Literary Production

Description
New York City is both the location of literary production and the subject of literary efforts. This course examines New York from both angles. We will be visiting publishing houses, magazines, and agents. We will talk to working writers, bookstore owners, and movie producers. We will also be reading books set in New York for whom the city itself serves as a character. Finally, we will attempt to write the city, both as a non-fiction subject and as a fictional one.
**ENGLISH22 - Composition and Language**

Subject: ENGLISH  
Catalog Number: 22  
Title: Composition and Language  

**Description**  
Credit for Advanced Placement on the basis of the College Board examination in composition and language.

---

**ENGLISH220S - Introduction to the Writing of Poetry**

Subject: ENGLISH  
Catalog Number: 220S  
Title: Introduction to the Writing of Poetry  

**Description**  
The introductory level genre specific workshops are for students with some experience in creative writing who wish to deepen their knowledge of their chosen genre and gain increased mastery of elements of craft. Recommended for students who have taken English 110S.

---

**ENGLISH221S - Introduction to the Writing of Fiction**

Subject: ENGLISH  
Catalog Number: 221S  
Title: Introduction to the Writing of Fiction  

**Description**  
Introductory level genre-specific workshops for students with some experience in creative writing wishing to deepen their knowledge of their chosen genre and gain increased mastery of elements of craft. Recommended for students who have taken English 110.

---

**ENGLISH222S - Introduction to the Writing of Creative Non-Fiction**

Subject: ENGLISH  
Catalog Number: 222S  
Title: Introduction to the Writing of Creative Non-Fiction  

**Description**  
The introductory level genre-specific workshops are for students with some experience in creative writing who wish to deepen their knowledge of their chosen genre and gain increased mastery of elements of craft. Recommended for students who have taken English 110S.

---

**ENGLISH224S - Ready for Prime Time: Writing the Dramatic TV Episode**

Subject: ENGLISH  
Catalog Number: 224S  
Title: Ready for Prime Time: Writing the Dramatic TV Episode  

**Description**  
Some of the best dramatic writing today can now be found on television. This class will focus on one commercial prime-time drama, past or present. Beginning with a deep immersion into the world of that show—watching all of Season One—students break into groups, coming up with their own long stories to advance the plots. Each student will pitch a story for their particular version of ‘Season Two’—developing an outline, tracking their storylines with the other members of their group, and finally writing a draft of an hour-long TV episode. Each student will write his or her own script—but will need to share notes, thoughts and feedback with their fellow writers.

---

**ENGLISH225S - Writing the Movie. Introduction to the Theory and Practice of Writing for the Screen**

Subject: ENGLISH  
Catalog Number: 225S  
Title: Writing the Movie. Introduction to the Theory and Practice of Writing for the Screen  

**Description**  
Theory and practice of the process of writing for the screen. Exploration of visual storytelling; analysis of screenplays and movies; developing original stories into screenplay format. Projects: writing and presenting treatments, outlines and scenes.
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<thead>
<tr>
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<tbody>
<tr>
<td>ENGLISH226S</td>
<td>226S</td>
<td>Dramatic Writing</td>
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<tr>
<td>ENGLISH227S</td>
<td>227S</td>
<td>Writing Movies and Plays: Adaptation</td>
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<td>ENGLISH228S</td>
<td>228S</td>
<td>Writing the Musical Book</td>
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<td>ENGLISH229S</td>
<td>229S</td>
<td>Musical Shakespeare</td>
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<td>ENGLISH235</td>
<td>235</td>
<td>Shakespeare</td>
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<td>ENGLISH236S</td>
<td>236S</td>
<td>Shakespeare’s Nature</td>
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</tbody>
</table>

**ENGLISH226S - Dramatic Writing**

**Subject**: ENGLISH  
**Catalog Number**: 226S  
**Title**: Dramatic Writing  

**Description**: Fundamentals of writing for stage.

**ENGLISH227S - Writing Movies and Plays: Adaptation**

**Subject**: ENGLISH  
**Catalog Number**: 227S  
**Title**: Writing Movies and Plays: Adaptation  

**Description**: Theory and practice of the process of adaptation of serious literary works of fiction to screenplay or play form. Reading and analysis of literary works adapted as screenplays and plays. Project in writing an adaptation.

**ENGLISH228S - Writing the Musical Book**

**Subject**: ENGLISH  
**Catalog Number**: 228S  
**Title**: Writing the Musical Book  

**Description**: Study and create the dramatic text of musical theater. Course starts with grounding in the basics of text writing by studying outstanding examples of book writing, from Arthur Laurent’s Gypsy to Brian Yorkey’s Pulitzer-winning Next To Normal. Students write a series of short scenes (5-10 pages) to be read aloud and critiqued in class, with ultimate goal of completing an original or adapted book for a one-act musical (30-60 pages.)

**ENGLISH229S - Musical Shakespeare**

**Subject**: ENGLISH  
**Catalog Number**: 229S  
**Title**: Musical Shakespeare  

**Description**: William Shakespeare exerts a powerful influence, not only on literature and drama, but on the other arts as well. Composers from the Renaissance to present day, have created music expressly for the performance of his plays and sonnets. Our seminar will explore this repertoire by examining masterworks of music in relation to their Shakespearean antecedents.

**ENGLISH235 - Shakespeare**

**Subject**: ENGLISH  
**Catalog Number**: 235  
**Title**: Shakespeare  

**Description**: Introduction to the major works of Shakespeare. Exploration of the author’s central themes and contexts, with particular focus on Shakespeare’s exploration of love as a mode of ethical inquiry and moral philosophy. Satisfies Area I requirement for English majors.

**ENGLISH236S - Shakespeare's Nature**

**Subject**: ENGLISH  
**Catalog Number**: 236S  
**Title**: Shakespeare's Nature  

**Description**: This class explores conflicting and competing ideas about nature in Shakespeare’s plays. We examine creatureliness, human and non-human, in relation to ideas of the natural and the supernatural.
**ENGLISH237 - America from Abroad: Literature and Cinema**

**Subject**: ENGLISH  
**Catalog Number**: 237  
**Title**: America from Abroad: Literature and Cinema

**Description**
This course explores the portrayals of America, especially the United States, from authors and directors who are not American and who often have never even seen America. We will read short stories, novels, and graphic novels and watch films. What do these works from other parts of the world have to say about dreams, race, love, immigration, and space in America? We will discuss imaginary Americas in order to understand these important works within their contexts, to examine how foreign representations of America have contributed to our idea of America, and to consider what imagined Americas suggest about us here in North Carolina.

---

**ENGLISH243S - Literatures and Films of Pandemic**

**Subject**: ENGLISH  
**Catalog Number**: 243S  
**Title**: Literatures and Films of Pandemic

**Description**
This course explores past pandemics as a way to think about how to best live through COVID-19 and prevent or minimize future pandemics. Through examining literature and film, we will analyze the psychosocial dimensions of pandemic. We will read a variety of texts including: histories, fiction (Bulgakov, Porter, Tolstoy, Colson Whitehead); short essays; and films (e.g., Contagion, Outbreak). How do science, medicine, and society interact in a time of pandemic? How do pandemics reveal social inequities, and how could we use this knowledge to decrease disparities? And why do people turn to the humanities and arts in times of pandemic?

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**ENGLISH244 - Modern European Short Fiction**

**Subject**: ENGLISH  
**Catalog Number**: 244  
**Title**: Modern European Short Fiction

**Description**
Comprehensive examination of several important works of modern European short fiction by authors such as Kafka, Woolf, Svevo, Sartre, Joyce, Proust, Mann, Schnitzler, Gogol, and Calvino. While stories will be contextualized historically, culturally, and geographically, course is organized into thematic units, including animals, home, punishment, and love, to facilitate comparative analysis. Students engage critically with concepts such as identity, trauma, genre, and narrative form.

---

**ENGLISH245 - English Literature of the Romantic Period**

**Subject**: ENGLISH  
**Catalog Number**: 245  
**Title**: English Literature of the Romantic Period

**Description**
Wordsworth, Coleridge, Byron, Shelley, Keats. Satisfies Area II requirement for English majors.

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**ENGLISH246 - Jane Austen**

**Subject**: ENGLISH  
**Catalog Number**: 246  
**Title**: Jane Austen

**Description**
This course traces the development of Jane Austen’s writing and ideas through her six major novels.

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**ENGLISH247 - Victorian Literature**

**Subject**: ENGLISH  
**Catalog Number**: 247  
**Title**: Victorian Literature

**Description**
Major works and genres of Victorian literature by such authors as the Brontes, Dickens, Hardy, Tennyson, Carlyle, Browning, Arnold, and Ruskin. Satisfies Area II requirement for English majors.
ENGLISH251 - British Literature: 1900 to 1945

Subject: ENGLISH
Catalog Number: 251
Title: British Literature: 1900 to 1945

Description: Major genres and works by such authors as Yeats, Conrad, Shaw, Joyce, Lawrence, Woolf, Eliot, Auden, among others. Satisfies Area III requirement for English majors.

ENGLISH254 - From History to Fantasy: Medieval Religions in Film & Fiction

Subject: ENGLISH
Catalog Number: 254
Title: From History to Fantasy: Medieval Religions in Film & Fiction

Description: Explores the intersection of modern popular culture and medieval religious culture. Deep dive into how modern creators of mass entertainment use common notions of medieval faith, power, race, sexualities and violence to capture and hold our interest, teach us lessons about ourselves, and sell products. How do our ideas of faith, sexuality, race and power inspire or constrain the fiction we create about the past? What impact does this have on consumers? Monks, nuns, knights, crusades, secret societies, suffragists, alt-right, plague. Modern novels, commentaries, history, medieval texts, neurobiology, TV, films, ads, games, memes, clubs. Read, discuss, write, research.

ENGLISH258 - Religion and the Novel in Modern India

Subject: ENGLISH
Catalog Number: 258
Title: Religion and the Novel in Modern India

Description: Indian writing in English, especially the novel, provides a unique understanding of religion in the world's largest democracy. The novel has come of age in India, seen innovations and has influenced world literature. Indian and Indian-origin novelists have been Booker and Pulitzer winners, Commonwealth awardees, and Sahitya Akademi laureates. Course will examine how the Indian novel in English understands and mediates tradition and modernity, selfhood and society in a deeply diverse culture. Includes novels written during the twilight of British colonial rule, the Partition, and contemporary decades of rapid globalization and diasporic change.

ENGLISH269 - Classics of American Literature, 1820-1860

Subject: ENGLISH
Catalog Number: 269
Title: Classics of American Literature, 1820-1860

Description: Prose and poetry by such authors as Emerson, Thoreau, Hawthorne, Poe, Melville, and Whitman. Satisfies the Area II requirement for English majors.
ENGLISH269S - Classics of American Literature, 1820-1860

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<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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<tr>
<td>ENGLISH</td>
<td>269S</td>
<td>Classics of American Literature, 1820-1860</td>
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</table>

**Description**

What makes a 'classic' of American literature? Why do a handful of texts endure while others have fallen by the wayside? By reading a variety of well-known texts from early American literature, we pose-and attempt to answer-these questions. Supplemental readings illuminate pivotal political debates, social movements, gender struggles, and ethnic clashes from 1820 to 1860. Texts include Nathaniel Hawthorne's The Scarlet Letter, Walt Whitman's Leaves of Grass, and Harriet Beecher Stowe's Uncle Tom's Cabin, as well as works by Dickinson, Melville, Douglass, and Poe. Films will include Sleepy Hollow (1999) and 12 Years a Slave (2013).

ENGLISH270 - Classics of American Literature, 1860 to 1915

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<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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<tbody>
<tr>
<td>ENGLISH</td>
<td>270</td>
<td>Classics of American Literature, 1860 to 1915</td>
</tr>
</tbody>
</table>

**Description**

Prose and poetry by such authors as Cather, Chesnutt, Chopin, Crane, Dickinson, DuBois, Freeman, Gilman, James, Jewett, Twain, Washington, Wharton. Satisfies Area II requirement for English majors.

ENGLISH271 - Classics of American Literature, 1915 to 1960

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<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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<tbody>
<tr>
<td>ENGLISH</td>
<td>271</td>
<td>Classics of American Literature, 1915 to 1960</td>
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</tbody>
</table>

**Description**

Prose and poetry by such authors as Eliot, Fitzgerald, Hemingway, Faulkner, and others. Satisfies the Area III requirement for English majors.

ENGLISH273AS - Duke in London: Arts

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<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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<tbody>
<tr>
<td>ENGLISH</td>
<td>273AS</td>
<td>Duke in London: Arts</td>
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</tbody>
</table>

**Description**

This course surveys London as a site of dynamic cultural production, whose participation in the global marketplace of artistic commodities reveals the city's restless, international, cosmopolitan character. Studying local institutions, students are introduced to the complex relationship among art, state, and the global cultural marketplace; studying a multiracial and multilingual community, they become familiar with theories of globalization, neoliberalism, and cosmopolitanism, as well as migration and so-called national identity. Students also participate in excursions including dance, opera, and theatre productions and visits to museums and other sites of cultural importance.
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<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
<th>Description</th>
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<tbody>
<tr>
<td>ENGLISH</td>
<td>274</td>
<td>ENGLISH274 - The Dramatic Monster: Horror on Stage and Screen</td>
<td>The evolving image of the 'monster' on stage and screen, from the Victorian melodrama Sweeney Todd to the psychological-horror shocker Audition. Students will give oral reports (with appropriate clips) on horror movies past and present, beginning with the classic silent Cabinet of Dr. Caligari. Focus on how anxieties of different eras give rise to the different nightmares that play themselves out in the darkness of our theaters.</td>
</tr>
<tr>
<td>ENGLISH</td>
<td>275</td>
<td>ENGLISH275 - Introduction to Asian American and Diaspora Studies</td>
<td>What does it mean to be Asian American? Asian American Studies is an interdisciplinary field that draws on social sciences, humanities, and the arts to explore the historical and contemporary experiences of Asian Americans in the western hemisphere. This course provides students with an introduction to this dynamic and growing field of study, taking race, gender, immigration, diaspora, class, labor, and sexuality as primary subjects of the field. The course also historicizes Asian American racialization to better understand the structural forces that have shaped Asian American lives and the ways that writers, scholars, and activists have responded to and resisted these forces.</td>
</tr>
<tr>
<td>ENGLISH</td>
<td>276</td>
<td>ENGLISH276 - African Diaspora Literature: Twentieth- and Twenty-First-Century Black Writers</td>
<td>Late-nineteenth-century to contemporary writers, including African American, Caribbean, and African authors. Satisfies the Area III requirement for English majors.</td>
</tr>
<tr>
<td>ENGLISH</td>
<td>278S</td>
<td>ENGLISH278S - Transformative Ideas: Power, Theater, and Politics</td>
<td>What is power? How is it created, transferred, or lost within a polity? What happens when one entity seizes power from another? Must violence always be at the center of that event, or can shared culture animate the accumulation and maintenance of power in a society? This Transformative Ideas seminar examines how insights in political theory and theater studies have addressed these questions. Concepts include ambition; sovereignty; violence and coercion; collectivism, especially nationalism; and rhetoric. Key writers include Aristotle; Plato; Machiavelli; Sophocles; Shakespeare; Weber; Arendt; Douglass; Soyinka; Alfred Jarry; Caryl Churchill; June Jordan, and Lynn Nottage.</td>
</tr>
</tbody>
</table>
ENGLISH279S - Docu-Poetry: Real Life Truths Outside and Inside the Poetic Narrative

Subject
ENGLISH

Catalog Number
279S

Title
Docu-Poetry: Real Life Truths Outside and Inside the Poetic Narrative

Description
Investigates written and oral poetry as a mode of documentary storytelling. Engage with contemporary and historical poetry examining real-life, historical events. Investigate relationship between history, documentary, and poetry. Write poems based on research with multiple forms of archival source material and critical interpretation thereof.

ENGLISH282S - Modernism and the Arts

Subject
ENGLISH

Catalog Number
282S

Title
Modernism and the Arts

Description
This course places international modernism in an intermedial perspective, presenting it as a broad conversation among international artists across various art forms. In addition to reading major literary works by writers such as Baudelaire, Mallarmé, Joyce, Eliot, Kafka, Woolf, Wat, Babel, Rilke, Anand, Césaire, Lu Hsun, students will enhance their understanding of modernism through exposure to other art forms, such as painting (Matisse, Picasso, Marc, Kandinsky, Chagall, Schoenberg), sculpture (Rodin, Brancusi, Giacometti), music (Schumann, Débussy, Stravinsky, Schoenberg, Berg, Gershwin), and film (Buñuel, Dalí, Eisenstein, Vertov, Carné, Godard, Ruttmann, Cavalcanti, Vigo).

ENGLISH284S - Book Publishing & Marketing: A Case Study of the Romance Fiction Industry

Subject
ENGLISH

Catalog Number
284S

Title
Book Publishing & Marketing: A Case Study of the Romance Fiction Industry

Description
A case study of the US romance fiction industry and its global reach. The romance novel is the most popular form of fiction in the world. Its industry is powered by women, produces a product consumed by women, and exports to global audiences. Includes: its history, role in popular American culture, and rise to dominate the fiction market; how creative projects become commercial products; dramatic shifts in the book industry over three centuries, including the ebook- and self-publishing revolutions; how notions of gender and sexuality have shaped the aggressive and ingenious marketing of romance fiction from its origins; representations of race in romance fiction.

ENGLISH285S - Existentialism

Subject
ENGLISH

Catalog Number
285S

Title
Existentialism

Description
Existentialism in philosophy and literature. Key themes will be existence, ethics, meaning of life, freedom, death, and writing. Texts may include writings by Kierkegaard, Nietzsche, Dostoevsky, Tolstoy, Heidegger, Sartre, Camus, Beauvoir, Fanon, Murdoch and others.
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</thead>
<tbody>
<tr>
<td>ENGLISH</td>
<td>286</td>
<td>The Legend of King Arthur in Literature and Film</td>
<td>The legend of the 'Once and Future King,' Arthur of Camelot, has fascinated poets, artists, writers, and filmmakers. Students will read and view different versions of the Arthur legend, from the earliest surviving sixth-century witness to the legend to modern films. Focusing on the themes of leadership, gender, and love, students will explore how each work understands Arthur and his milieu and the implications of each vision for the political and cultural world in which it originates. Taught in English. No prerequisites.</td>
</tr>
<tr>
<td>ENGLISH</td>
<td>287</td>
<td>Romantic Fairy Tales: Literary and Folk Fairy Tales from Grimms to Disney</td>
<td>German fairy tales of the Romantic era, including both the 'literary fairy tales' by known authors and the 'folk fairy tales' commonly deemed children's literature. Comparisons to other fairy tale traditions, notably by Perrault and Basile, providing a broader context and perspective. Comparison to the Disney contributions elucidating our own preconceptions and prejudices. Special attention to the literary, feminist, and historical elements of the fairy tale genre. Taught in English.</td>
</tr>
<tr>
<td>ENGLISH</td>
<td>288</td>
<td>American Dreams, American Movies</td>
<td>A course in selected American films that create as well as reflect American identity from the beginnings of Hollywood moviemaking in the Studio System through the beginnings of Indie spirit. Nine to twelve best-loved movies, such as Mr. Smith Goes to Washington, Casablanca, Rear Window, Singin' in the Rain, and Dr. Strangelove by directors like Frank Capra, John Ford, Alfred Hitchcock, and Stanley Kubrick. The course pays attention to American cultural history, the development of the movie industry, the idea of the director as auteur, narrative form in film, and some fundamentals of film analysis. Assignments are both written and creative experiments in filmmaking, as suits class interests.</td>
</tr>
<tr>
<td>ENGLISH</td>
<td>289</td>
<td>America Dreams American Movies II: Independents Through Streaming</td>
<td>This course studies contemporary American movies as they create and reflect America’s self-image from the rise of independents through the innovations of the 21st century, including digital video, streaming, and the rise of high-quality TV productions. Directors such as Kubrick, Coppola, Spielberg, Tarantino, Lee, Moore, Cameron, Campion, Jenkins, Bigelow, Peele, DuVernay, and others up to today. At least two weeks of the semester will be devoted to TV, such as Game of Thrones, The Americans, or Watchmen. Like the film and TV industries themselves, assignments encourage creativity and collaboration.</td>
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<tr>
<td>Subject</td>
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<tr>
<td>ENGLISH</td>
<td>290-7</td>
<td>Special Topics in Language and Literature</td>
<td>Area requirements for majors to be determined by the Director of Undergraduate Studies in English.</td>
</tr>
<tr>
<td>ENGLISH</td>
<td>290AS-1</td>
<td>Topics in Renaissance British Literature</td>
<td>(Taught in the Oxford Summer Program). Satisfies Area I for English majors.</td>
</tr>
<tr>
<td>ENGLISH</td>
<td>290AS-2</td>
<td>Topics in Nineteenth-Century British Literature</td>
<td>Taught in the Oxford Summer Program. Satisfies the Area II or III requirement for English major. To be determined by the Director of Undergraduate Studies in English.</td>
</tr>
<tr>
<td>ENGLISH</td>
<td>290S</td>
<td>Special Topics in Language and Literature</td>
<td>Topics vary each semester.</td>
</tr>
<tr>
<td>ENGLISH</td>
<td>290S-1</td>
<td>Special Topics in Medieval and Early Modern Literature</td>
<td>A major author, topic, or theme of the medieval and early modern period (excluding Chaucer). Satisfies the Area I requirement for English majors. Topics vary each semester.</td>
</tr>
<tr>
<td>ENGLISH</td>
<td>290S-2</td>
<td>Special Topics in Eighteenth and Nineteenth Century Lit</td>
<td>A major author, topic, or theme of eighteenth and nineteenth century literature. Satisfies the Area II requirements for English majors. Topics vary each semester.</td>
</tr>
<tr>
<td>ENGLISH</td>
<td>290S-3</td>
<td>Special Topics in English Literature: Modern and Contemporary</td>
<td>A major author, topic, or theme of modern and contemporary literature. Satisfies Area III for the English major. Topics vary each semester.</td>
</tr>
<tr>
<td>ENGLISH</td>
<td>290S-4</td>
<td>Special Topics in Creative Writing</td>
<td>Topics vary each semester.</td>
</tr>
</tbody>
</table>
ENGLISH299 - Hip Hop and Religion

Subject: ENGLISH
Catalog Number: 299
Title: Hip Hop and Religion

Description:
For many people, hip-hop and religion are incompatible. Hip-hop seems to be defined by materialism, arrogance, violence, misogyny, and a general rejection of sacred ideals and values. In this course, we will challenge these assumptions by exploring the intersections between hip hop and religion, while questioning what these terms mean and signify. We will examine aspects of hip-hop (rap lyrics, video images, cultural rituals, films) that explicitly or implicitly express religious commitments and sensibilities.

ENGLISH301S - Imagining Human Rights: Science Fiction, Culture, and the Creation of Rights

Subject: ENGLISH
Catalog Number: 301S
Title: Imagining Human Rights: Science Fiction, Culture, and the Creation of Rights

Description:
This course engages students in the intersection of speculative fiction and the history of ideas about human rights and what it means to be human. Using interdisciplinary tools, including history, anthropology, and public policy, students will explore created worlds and new ways of thinking about what rights humans—and other beings—have, how those rights are proposed, and what happens when those rights are contested. The course focuses on how the imaginary influences or presages the real, allowing us to experiment with what-ifs. Students will work in Duke’s Locus Archives of primary documents on 20th-century science fiction spanning writers from China, the USSR, and Japan.

ENGLISH310A - The Business of Art and Media

Subject: ENGLISH
Catalog Number: 310A
Title: The Business of Art and Media

Description:
Duke in New York. The changes experienced by print and visual media (book publishing, magazines, newspapers, TV, films, theatre, advertising) in the twenty-first century in how art and business can, and often must, be done and in how they interact with society. Examinations through readings (including selected case histories) and guest speakers of how technology and technological change affect art and society today. Satisfies Area III requirement for English majors.

ENGLISH312A - The Arts in New York: A Thematic Approach

Subject: ENGLISH
Catalog Number: 312A
Title: The Arts in New York: A Thematic Approach

Description:
Duke in New York. Various topics dealing with the arts in New York. Group attendance at, and subsequent seminar discussion of, performances, exhibitions, films, and lectures. Research or critical paper required. Open only to students admitted to the Duke in New York Arts Program. Satisfies the Area III requirement for English majors.
ENGLISH313 - Internship in New York

Subject: ENGLISH
Catalog Number: 313
Title: Internship in New York

Description: Immersion in the professional art world through apprenticeship to a sponsoring artist or organization. Students spend fifteen hours per week at the internship and write a substantive paper containing significant analysis and interpretation of the relation of the students’ sponsoring institution to the art form of activity as a whole, the system of production and consumption surrounding that art form or activity, and the sponsor’s organizational framework, operating mechanics, and role in the creation, preservation, or interpretation of the art form or activity. Open only to students admitted to the Duke in New York Arts Program. Does not count toward the major. Consent of instructor required.

ENGLISH313A - Internship in New York

Subject: ENGLISH
Catalog Number: 313A
Title: Internship in New York

Description: Immersion in the professional art world through apprenticeship to a sponsoring artist or organization. Students spend fifteen hours per week at the internship and write a substantive paper containing significant analysis and interpretation of the relation of the students’ sponsoring institution to the art form of activity as a whole, the system of production and consumption surrounding that art form or activity, and the sponsor’s organizational framework, operating mechanics, and role in the creation, preservation, or interpretation of the art form or activity. Open only to students admitted to the Duke in New York Arts Program. Does not count toward the major. Consent of instructor required.

ENGLISH313A-1 - Internship in New York

Subject: ENGLISH
Catalog Number: 313A-1
Title: Internship in New York

Description: Immersion in the professional world of the arts and media through working with a sponsoring artist, organization, or business. Open only to students admitted to the Duke in New York Arts and Media Program. Does not count toward the major. Consent of Instructor required.

ENGLISH315SA - New York Scenes

Subject: ENGLISH
Catalog Number: 315SA
Title: New York Scenes

Description: New York Scenes will focus on the various cultural institutions, scenes, establishments, happenings, hang-outs, movements, etc., that make up New York City. Early in the semester, students will select a particular ‘scene’ to research over the course of the term. For example: Tin Pan Alley (popular music, theater), The Lafayette Theatre (black arts), St. Mark’s Church (poetry, punk rock), the Chelsea Hotel (mid-century writers, pop stars and outcasts), La MaMa (experimental theater), the Christopher Street Piers (queer history, lgbtq youth) and Union Square Park (leftist organizing history). Open to students in the Duke in New York program.

ENGLISH316S-1 - Playmaking for Writers: Collaboration from Page to Stage

Subject: ENGLISH
Catalog Number: 316S-1
Title: Playmaking for Writers: Collaboration from Page to Stage

Description: Dramatic writing for stage, screen or film, is not meant to be read, like a novel or poem, it’s meant to be performed. In this class, student writers explore the ‘liveness’ of dramatic writing in collaboration with actors and directors. Starting with writing exercises that aim at the core concept of ‘dramatic action’, students’ progress to self-generated works. Semester ends with public presentation of student work as brought to the stage by the companion section for actors and directors. Prerequisite: one previous dramatic writing course in playwriting, TV writing, or screenwriting.

ENGLISH317S - Screenwriting

Subject: ENGLISH
Catalog Number: 317S
Title: Screenwriting

Description: Advanced writing projects for feature film. Study of existing scripts and videos, application of techniques.
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<th>Title</th>
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<tbody>
<tr>
<td>ENGLISH</td>
<td>318S</td>
<td>Expressing Immigrant Experience: The Russians</td>
</tr>
</tbody>
</table>

**Description**

Some of the world's greatest artistic works have emerged from the creator's experience of crossing boundaries—linguistic, geographic, cultural, and social/psychological. This course examines the particular case of Russia's emigre experience in the English-speaking world as recorded in literature and the other creative arts.

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<tr>
<td>ENGLISH</td>
<td>319S</td>
<td>Narrative and Moral Crisis</td>
</tr>
</tbody>
</table>

**Description**

It is often said that literature encourages ethical reflection, and even that it somehow fortifies our disposition to behave in ethical ways. This class will consider a different possibility, that literature, or narrative more generally, often represents or provokes circumstances of extreme moral uncertainty. Such uncertainty, sometimes focused in a moment of decision and sometimes arising from a clash of perspectives, can gather around characters, narrators, authors, and even readers. We will be focusing on a few works of literary and cinematic art, ranging from the Book of Genesis to Ian McEwan's Atonement, in which moral issues emerge with particular urgency and complexity.

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<tbody>
<tr>
<td>ENGLISH</td>
<td>320S</td>
<td>Intermediate Workshop in the Writing of Poetry</td>
</tr>
</tbody>
</table>

**Description**

Intermediate workshops present a higher creative standard than introductory workshops and increased expectations in both quantity and quality of revised, finished work. Prerequisite: English 110S or English 220S, or consent of the instructor if prior work merits admission to the class (as judged by the instructor).

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<tbody>
<tr>
<td>ENGLISH</td>
<td>321S</td>
<td>Intermediate Workshop in the Writing of Fiction</td>
</tr>
</tbody>
</table>

**Description**

Intermediate workshops present a higher creative standard than introductory workshops and increased expectations in both quantity and quality of revised, finished work. Prerequisite: English 110S OR English 221S, or consent of the instructor if prior work merits admission to the class (as judged by the instructor).

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<tbody>
<tr>
<td>ENGLISH</td>
<td>322S</td>
<td>Intermediate Workshop in the Writing of Creative Non-Fiction</td>
</tr>
</tbody>
</table>

**Description**

Intermediate workshops present a higher creative standard than introductory workshops and increased expectations in both quantity and quality of revised, finished work. Prerequisite: English 110S OR English 222S, or consent of the instructor if prior work merits admission to the class (as judged by the instructor).

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<tr>
<td>ENGLISH</td>
<td>325S</td>
<td>Literary Translation: History, Theory, and Practice</td>
</tr>
</tbody>
</table>

**Description**

A study of the theory and practice of translation from antiquity to the present, with a focus on religious, literary, and philosophical texts and the distinctive challenges involved in rendering such works into a different language. Topics include analysis of historically-significant translations, a survey of the history and theory of translation as a practice, a close study of the ethics of translation, and a workshop in which students will prepare, revise, and analyze their own translations. Prerequisite: Three semesters of language.
ENGLISH330 - The Seven Deadly Sins: Representing Vice and Virtue in Christian Tradition

Description
This course will trace the motif of the seven deadly sins in Western tradition, exploring two methods of understanding human psychology and behavior: the philosophical school of virtue ethics, which provides an account of how our actions and habits shape our characters and identities, and the artistic technique of allegory, which externalizes our inner life in vivid, sometimes shocking images, characters, and stories. Readings are drawn from philosophy (Aristotle, Aquinas), literature (Dante, Chaucer, Spenser), art (Giotto, Bosch), and present-day pop culture. Course assignments include both analytical essays and creative projects.

ENGLISH331S - Late Medieval Literature and Culture

Description
Explores a range of medieval writings together with the culture in which they are made. Inquiries involve the close reading of medieval texts to learn about medieval Christianity, ethics, politics and theology in the culture. Considers questions concerning relations between the medieval world and our own.

ENGLISH332S - Chaucer I

Description
The first two-thirds of his career, especially Troilus and Criseyde. Satisfies Area I requirement for English majors.

ENGLISH333 - Chaucer II

Description
The Canterbury Tales. Satisfies the Area I requirement for English majors.

ENGLISH336 - Shakespeare through 1600

Description
Examination of twelve plays by Shakespeare written before 1600. Satisfies Area I requirement for English majors.

ENGLISH337 - Shakespeare After 1600

Description
Examination of ten plays by Shakespeare written after 1600. Not open to students who have taken Theater Studies 239A. Satisfies Area I requirement for English majors.
ENGLISH338S - Milton
Subject: ENGLISH
Catalog Number: 338S
Title: Milton
Description: Poetry and its literary and social background. Satisfies Area I requirement for English majors.

ENGLISH344 - Eighteenth-Century British Novel
Subject: ENGLISH
Catalog Number: 344
Title: Eighteenth-Century British Novel
Description: Novels by such authors as Defoe, Richardson, Fielding, Smollett, and Sterne, Walpole, and Austen. Satisfies Area II requirement for English majors.

ENGLISH345 - Nineteenth-Century British Novel
Subject: ENGLISH
Catalog Number: 345
Title: Nineteenth-Century British Novel
Description: Novels by such authors as Scott, Austen, Dickens, Thackeray, Trollope, the Bronte's, George Eliot, Meredith, Collins, Hardy, and others. Satisfies Area II requirement for English majors.

ENGLISH346 - Victorian Poetry
Subject: ENGLISH
Catalog Number: 346
Title: Victorian Poetry
Description: Works by such poets as Tennyson, Browning, Barrett, Browning, Arnold, the Rossettis, Swinburn, Morris, and others. Satisfies Area II requirement for English majors.

ENGLISH352S - Asian American Literature
Subject: ENGLISH
Catalog Number: 352S
Title: Asian American Literature
Description: The course examines major works of Asian American literature from the nineteenth century to the present. It surveys how Asian American authors of novels, short stories, and poetry have negotiated the historical forces that have shaped Asian American experiences over the past century.

ENGLISH353S - Black Feminism and Fashion
Subject: ENGLISH
Catalog Number: 353S
Title: Black Feminism and Fashion
Description: Black feminist perspectives on clothing and fashion. Explores traditions in which Black artists and writers make clothing a primary theme. Presenting photographic, painted, and literary portrayals by and of Black people across the diaspora, and bringing together the study of visual culture, material culture, and literary studies, reveals fashion and clothing as aesthetic practices of everyday life that defy the objectifying effects of racism and sexism. Engages with scholarship that explores slavery's and colonialism's impact on gender and sexuality and examines how artists and writers work within and against those impacts to document the self-fashioning in Black cultural life.
ENGLISH354S - Picaras and Outlaws: Global South Feminisms

Subject: ENGLISH
Catalog Number: 354S
Title: Picaras and Outlaws: Global South Feminisms

Description:
The term 'picara' or 'rogue outlaw' was designed to regulate and criminalize the bodies of women transgressing boundaries. This course uses the term to delve into the heroic histories of some of the most prominent women voices across the Global South and the various ways they challenge normalized and heteronormative structures of society. From a Cuban slave revolt leader, or the 17th century colonial 'Memoire of Basque Transvestite in the New World,' to the seminal Borderlands=La Frontera, prominent African Feminist theorists, and pop culture film Real Women Have Curves, we will read and engage in some of the most daring accounts of women power throughout the ages.

ENGLISH360S - The Environment in Literature, Law, and Science

Subject: ENGLISH
Catalog Number: 360S
Title: The Environment in Literature, Law, and Science

Description:
This class explores changing concepts of 'environment' and 'nature' in lit, law & policy, & science. Using the Duke Campus Farm, the campus, & surrounding areas, we trace those changes across historical periods and cultures, culminating in a consideration of the dismantling of Black Durham (red lining, 147) & the emergence of the Environmental Justice Movement (in Warren County, NC). We explore how those concepts are constructed through science, law & policy, & cultural forms, how those concepts shape our lived experience, & how an understanding of that process might lead to more productive debates in science, law & policy, & ethics, and to constructive social and environmental change.

ENGLISH362D - What Is Beauty?

Subject: ENGLISH
Catalog Number: 362D
Title: What Is Beauty?

Description:
Exploration of Western theories of beauty from Plato to the present. What do we mean when we call something beautiful? Does beauty belong to an object or an observer’s mind? Is art or nature the best example of beauty? The class also examines the intertwining of modern theories of beauty with theories of race; analyzes the gender and power dynamics of theories of beauty; and asks about the relationship of aesthetics to society, politics, and biology. Readings include authors such as Plato, Burke, G.E. Lessing, Kant, Schiller, Charles Darwin, George Elliot, Nietzsche, W.E.B. DuBois, Arthur Danto, Elaine Scarry, Alice Walker, and Semir Zeki. Taught in English.

ENGLISH364S - Modern American Drama

Subject: ENGLISH
Catalog Number: 364S
Title: Modern American Drama

Description:
While the playwright names—Eugene O'Neill, Tennessee Williams, Edward Albee—may be familiar, do American playgoers know how weird these artists’ works can be? This survey course tracks some of twentieth- and twenty-first century's most recognizable dramas, focusing on the theatre's potential for formal innovation as well as social commentary. Plays include Williams's A Streetcar Named Desire, Arthur Miller's Death of a Salesman, Anna Deavere-Smith's Twilight Los Angeles, 1992, Tony Kushner's Angels in America, and Annie Baker's The Flick. Evaluation will be based on online response posts, two formal essays, one oral presentation, and class participation. No prerequisites necessary.
ENGLISH365S - Modern Drama: 1940-2000

Subject
ENGLISH

Catalog Number
365S

Title
Modern Drama: 1940-2000

Description
In this course, we analyze key texts from the history of modern dramatic literature starting in 1940 and proceeding to the end of the twentieth century. Starting with the 'non-Aristotelian' drama of Bertolt Brecht, we trace the rapid evolution of dramatic forms that characterized playwriting in Europe, England, and then the United States. We will analyze not only the scripts but also various productions of each of these significant plays by significant playwrights, ranging from Bertolt Brecht and Samuel Beckett to Tony Kushner and Sarah Kane.

ENGLISH371S - Studies in American Literature, WWI-WWII

Subject
ENGLISH

Catalog Number
371S

Title
Studies in American Literature, WWI-WWII

Description
A seminar version of English 371.

ENGLISH372S - Modern American Poetry

Subject
ENGLISH

Catalog Number
372S

Title
Modern American Poetry

Description
Focus on twentieth-century American poets; developments in style, subject, voice, diversity of representation, and impact of critical methodologies on shaping American poetic literature. Satisfies the Area III requirement for English majors.

ENGLISH373 - American Literature, Cold War and After

Subject
ENGLISH

Catalog Number
373

Title
American Literature, Cold War and After

Description
American authors, topics and themes of the late twentieth and early twenty-first centuries. Satisfies Area III requirement for English majors.

ENGLISH373S - Studies in American Literature, Cold War and After

Subject
ENGLISH

Catalog Number
373S

Title
Studies in American Literature, Cold War and After

Description
This is a seminar version of English 373.

ENGLISH374 - Contemporary American Writers

Subject
ENGLISH

Catalog Number
374

Title
Contemporary American Writers

Description
Novelists and poets prominent since 1984. Satisfies Area III requirement for English majors.
ENGLISH375S - Contemporary American Drama
Subject: ENGLISH
Catalog Number: 375S
Title: Contemporary American Drama
Description: How does an artform like dramatic literature theorize concepts like 'contemporary' or 'American'? This course studies contemporary drama to explore how we might understand our current moment beyond chronology and Americanness beyond national distinctiveness. For instance, did the 'contemporary' begin with 9/11, the Great Recession, or our current political upheavals? Does 'American' signify a set of affects, histories, and discourses that are shared by some but not others? To pursue these and other queries, we will read works by Lynn Nottage, Ayad Akyar, Sarah Ruhl, Matthew Lopez, among others. We plan for at least one trip to see performances in New York City, conditions permitting.

ENGLISH376S - The Detective Novel
Subject: ENGLISH
Catalog Number: 376S
Title: The Detective Novel
Description: What is a detective novel, and how does it 'work'? By looking at synchronic and diachronic transformations of the genre—from British Sherlock Holmes to the South African 'noir-fantastic'—the course investigates the structure of literary genres and their adaptability to different social, cultural, and civilizational contexts.

ENGLISH377S - Contemporary Novel
Subject: ENGLISH
Catalog Number: 377S
Title: Contemporary Novel
Description: Seminar version of English 377.

ENGLISH377 - Contemporary Novel
Subject: ENGLISH
Catalog Number: 377
Title: Contemporary Novel
Description: Major trends in fiction since 1950: modernism/postmodernism, ethnicity and ethnic identity, feminism, postcoloniality, genre-bending, and more. Readings from the United States and from Great Britain, India, Canada, South Africa, and the Caribbean. Satisfies Area III for English majors.

ENGLISH378S - Popular Arts and Culture in Africa
Subject: ENGLISH
Catalog Number: 378S
Title: Popular Arts and Culture in Africa
Description: This course explores the popular arts and cultural production in Africa across a range of media. It will explore the links and relationships between popular culture and fiction, popular literatures, be they in magazines or pamphlets, consumption, gender, and desire in the popular imagination, as well as popular sonic and visual cultures in Africa.

ENGLISH379S - Fictions That Mark the Moment
Subject: ENGLISH
Catalog Number: 379S
Title: Fictions That Mark the Moment
Description: Course is an engagement with novels from spectacular moments of history, an imagination of the future, a response to narrative conventions of realism and thinking with and against the grain of social understandings. Look at examples of historical, speculative, postcolonial, experimental, science, magical realist fictions and theoretical work. Will consider the means by which narrations produce or rely on ethical beliefs and arguments within the specifics of their world-making as well as the ethical problems presented by relations of power within the particular histories of the texts' various moments.
ENGLISH380 - Popular Representations of Black Masculinity

Subject: ENGLISH  
Catalog Number: 380  
Title: Popular Representations of Black Masculinity

Description: The course will examine the production and circulation of representations of 'Black Masculinity' in post-19th century American culture, within popular realms of expression including film, visual culture, music videos, advertising, popular music, television, drama and stage, literature, and dance/performance. The course will also explore the ways stereotypical images of Black masculinity have impacted public policy perceptions of African Americans and the ways that Black cultural producers have used Black masculinity as sites to stage alternative perceptions of Black humanity.

ENGLISH380S - James Baldwin and Toni Morrison

Subject: ENGLISH  
Catalog Number: 380S  
Title: James Baldwin and Toni Morrison

Description: This course will examine the novels and essays of James Baldwin and Toni Morrison, focusing on a range of topics: blackness, gender, sexuality, the relationship between race, religion, and nation, and the relationship between anguish and hope. While considering the differences between these authors, we will explore how Baldwin and Morrison converge on a set of ethical and existential themes and concerns. In particular, the course will focus on a shared 'ethics of haunting,' a sense that a better future relies on our capacity to remember, mourn, and be unsettled by forms of racial and gendered violence that mark the past and present.

ENGLISH381 - The History of Hip-Hop

Subject: ENGLISH  
Catalog Number: 381  
Title: The History of Hip-Hop

Description: What began as a localized activity designed to provide a safe haven for Black and Latino youth in New York City, has become a global brand that has had a documented impact on the cultural, political and economic realities of youth throughout the globe. This course will examine the organic social and cultural foundations of hip-hop, as well as the key aesthetic innovators/innovations, and the debates that have arisen over hip-hop's increased influence.

ENGLISH382S - Mapping Jewish Modernism

Subject: ENGLISH  
Catalog Number: 382S  
Title: Mapping Jewish Modernism

Description: Students research Jewish modernism through questions of geography and movement, pointing to the many places where modern Jewish art has been created and the experiences of migration, exile, diaspora, and resettlement that shaped this work. We discuss the varieties of ways that different art forms, including literature, theater, music, art, film, architecture, and dance, can be mapped. We analyze mapping in terms of the movements of people (artists, authors, and directors), of objects (paintings, literature, performances, and films), and within the works themselves. Work with the Rubenstein Library will lead to projects that contribute to an exhibit in Perkins Library and a digital site.

ENGLISH383AS - Theater in London: Text

Subject: ENGLISH  
Catalog Number: 383AS  
Title: Theater in London: Text

Description: Drama in performance from the Greeks to the present based on performances offered by the Royal Shakespeare Company, Royal National Theatre, and other theaters in London. Twenty plays will be seen and studied. Satisfies Area I, II, or III requirement for English majors, as determined by instructor. (London summer program.)

ENGLISH384AS - Theater in London: Performance (DS4)

Subject: ENGLISH  
Catalog Number: 384AS  
Title: Theater in London: Performance (DS4)

Description: The stages of realization of a play or musical from the script to the production, focusing on productions in London. Aspects of theatrical performance through scene work, discussions, and workshops with British theater practitioners, observation of theater at work, and supervised projects. (London summer program.)
**ENGLISH385S - Fiction/Reality/Autofiction: The Existential Turn in Contemporary Literature**

**Description**
Inspired by Marcel Proust and W. G. Sebald, and working alongside Annie Ernaux, contemporary writers such as Karl Ove Knausgård, Rachel Cusk, Jenny Offill, and Teju Cole undermine traditional divides between fiction, memoir, and essay-writing, and challenge our understanding of what a novel is. Some critics have named this new trend 'autofiction.' Is that a good label? Does the new 'reality hunger' entail new ideas about subjectivity and identity? How does it relate to realism, and modernism. What is 'existential' about it? We will read contemporary literature from different countries alongside theories of language and reality, realism, modernism, the novel, and reading.

**ENGLISH386 - Science Fiction Film**

**Description**
Science fiction film from the 1950s to the present. From talking apes to mind control, forbidden planets to genetic dystopias, alien invasions to travel in time and space, an exploration of classic films in the genre with attention to how the films imagine the relationships among science, politics, and society over time. Attention to visual as well as literary story telling.

**ENGLISH386S - Science Fiction Film**

**Description**
This class will study science fiction film from 1950 to the present. Discussions will be organized around the relationship between scientific and technological innovation and social and geopolitical transformation: how, for example, the threats of nuclear war and the exhaustion of environmental resources, discoveries in virology and genetics, and the innovations in cybernetics and artificial intelligence all intersect with decolonization and global development, race relations, and new social and geopolitical configurations. We will explore how science fiction film registers and responds to the uncertainties of a changing world: to changing conceptions of the human and of life.

**ENGLISH387S - Asian American Theater**

**Description**
Asian American theater and performance traditions, including major dramatic texts and canon formation. Critical framework for discussing race, ethnicity, gender, and sexuality.
ENGLISH389S - American Independent Cinema

Subject
ENGLISH

Catalog Number
389S

Title
American Independent Cinema

Description
Examination of the emergence, establishment, and transformations of American indie film. Addresses main genres, key films and prominent directors by looking at the aesthetic characteristics of indie films, as well as the social and institutional contexts (primarily its relationship to Hollywood cinema) that led to the creation and important impact of this filmmaking practice. Topics include Midnight Movies of the 70s, New American Cinema, Trash Cinema, Art Cinema, Black Indie Cinema, New Queer Cinema, Generation X, Smart Cinema, Neo Noir, and the Pulp Fiction success story.

ENGLISH390-1 - Special Topics: Single American Author

Subject
ENGLISH

Catalog Number
390-1

Title
Special Topics: Single American Author

Description
Area requirements for the English major (Area I, II, or III) to be determined by the Director of Undergraduate Studies.

ENGLISH390-2 - Special Topics in a Single British Author

Subject
ENGLISH

Catalog Number
390-2

Title
Special Topics in a Single British Author

Description
Studies in a single British author. Area requirements for English majors (Area I, II, or III) will be determined by the Dir. of Undergraduate when taught.

ENGLISH390-5 - Special Topics in Genre

Subject
ENGLISH

Catalog Number
390-5

Title
Special Topics in Genre

Description
Area 1, 2, 3, or elective, to be determined by the Director of Undergraduate Studies.

ENGLISH390-6 - Special Topics in Film

Subject
ENGLISH

Catalog Number
390-6

Title
Special Topics in Film

Description
A lecture version of 390S-6. Satisfies the Area III requirement for English majors.

ENGLISH390A - Duke-Administered Study Abroad: Advanced Special Topics in English

Subject
ENGLISH

Catalog Number
390A

Title
Duke-Administered Study Abroad: Advanced Special Topics in English

Description
Topics differ by section.
ENGLISH390S-1 - Special Topics in a Single American Author
Subject: ENGLISH  
Catalog Number: 390S-1  
Title: Special Topics in a Single American Author  
Description: Seminar version of 390-1. Area requirements (Area I, II, or III) for English majors will be determined by the Director of Undergraduate Studies.

ENGLISH390S-2 - Special Topics in a Single British Author
Subject: ENGLISH  
Catalog Number: 390S-2  
Title: Special Topics in a Single British Author  
Description: Studies in a single British author. Area requirements for English majors (Areas I, II, or III) determined by the Director of Undergraduate Studies.

ENGLISH390S-6 - Special Topics in Film
Subject: ENGLISH  
Catalog Number: 390S-6  
Title: Special Topics in Film  
Description: A major genre, period, or director. Satisfies the Area III requirement for English majors.

ENGLISH390S-7 - Special Topics in Language and Literature
Subject: ENGLISH  
Catalog Number: 390S-7  
Title: Special Topics in Language and Literature  
Description: Area requirements for majors to be determined by the Director of Undergraduate Studies in English.

ENGLISH391A - Duke in New York Arts and Media Independent Study
Subject: ENGLISH  
Catalog Number: 391A  
Title: Duke in New York Arts and Media Independent Study  
Description: Individual non-research directed study on a previously approved topic, under the supervision of a Duke faculty member, resulting in a substantive paper containing significant analysis and interpretation. Open only to students in the Duke in New York Arts and Media Program. Consent of Instructor required.

ENGLISH392S - Autobiographical Writing: The Power and the Pitfalls of “Me”
Subject: ENGLISH  
Catalog Number: 392S  
Title: Autobiographical Writing: The Power and the Pitfalls of “Me”  
Description: This course explores autobiographical writing, primarily through students’ writing and workshopping of essays, opinion pieces and snippets of memoir that the instructor and class discuss and critique, but also through reading a diverse group of past and current practitioners. While students will be able to steer their own efforts toward the manner of first-person writing in which they have the most interest, they will be expected to engage in study and execution of standard forms, such the opinion column. Students will benefit from instructor’s experience writing memoirs and first-person opinion columns. Prerequisites: Policy Journalism and Media Studies 364S, 366S, or 367S.
<table>
<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>ENGLISH395</td>
<td>395</td>
<td>Language and Society</td>
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<tr>
<td>Description</td>
<td></td>
<td>Course examines language as a social practice, focusing on different aspects of its role in social life. Topics addressed include: language and social identity, such as ethnicity, social class, age, and gender; variation in language, including dialects, accents, and registers; multilingualism and language contact; new languages such as pidgins and creoles; language, culture, and intercultural communication; language and ideology; language in education and in the media. Through the discussion of these topics and homework including reading and small research projects, students are introduced to key concepts, theories, and methods in sociolinguistics and linguistic anthropology.</td>
</tr>
<tr>
<td>ENGLISH396S</td>
<td>396S</td>
<td>Language in Immigrant America</td>
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<tr>
<td>Description</td>
<td></td>
<td>Discussion of issues of language in the context of immigration in the United States, from the turn of the 20th century until the present, combining approaches from literature, memoirs, language policy, media studies, and linguistic anthropology. Some fieldwork in an immigrant community. Topics include: identity, assimilation, race, bilingual communities, bilingual education, foreign accents, language contact.</td>
</tr>
<tr>
<td>ENGLISH397S</td>
<td>397S</td>
<td>Narratives of Migration</td>
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<tr>
<td>Description</td>
<td></td>
<td>Stories of migration captivate us because they touch on universally important themes: home, family, belonging, identity, pain, loss. In this course, we will explore narratives, or stories, of migration, as told by refugees and immigrants from across the world, through different media: written, spoken, photographed, and constructed digitally on social media. This course approaches narratives of migration primarily from the perspective of sociocultural linguistics and discourse analysis, but we will refer to other scholarly traditions as well. This is a Service-Learning course: students will engage in a mentoring relationship with an immigrant student in a Durham high school.</td>
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<tr>
<td>ENGLISH398</td>
<td>398</td>
<td>Digital Media Internship</td>
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<td>Description</td>
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<td>Experience producing digital content for departmental use. Editor-peer mentorship introduces journalistic practices in writing and photography. Writing intensive. Consent of instructor is required.</td>
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<tr>
<td>ENGLISH409D</td>
<td>409D</td>
<td>Black (In) Translation</td>
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<tr>
<td>Description</td>
<td></td>
<td>Examines the meanings of Blackness as it moves through the Atlantic world from 18th century to present. Readings explore theories of race and representation, and ways that translation conveys, shapes, and disrupts ideas about Blackness as cultural identity, lived experience, political claim. Course materials include works of literature, history, anthropology, and film. Taught in English, though, students enrolled under foreign language discussion sections will do reading, writing, research, and discussion in the language, requiring 2 years of foreign language study for language credit for the major or minor.</td>
</tr>
<tr>
<td>ENGLISH420S</td>
<td>420S</td>
<td>Advanced Workshop in the Writing of Poetry</td>
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<tr>
<td>Description</td>
<td></td>
<td>Advanced Writing Workshops build on the work done at the intermediate level, and are intended for the most well-prepared and gifted creative writing students. Prerequisite: English 320S or consent of the instructor if prior work merits admission to the class (as judged by the instructor).</td>
</tr>
</tbody>
</table>
## ENGLISH421S - Advanced Workshop in the Writing of Fiction

**Subject**
ENGLISH

**Catalog Number**
421S

**Description**
Advanced Writing Workshops build on work done at intermediate level, and are intended for the most well-prepared and gifted creative writing students. Prerequisite: English 321S or consent of the instructor if prior work merits admission to the class (as judged by the instructor).

## ENGLISH422S - Advanced Writing for Stage and Screen

**Subject**
ENGLISH

**Catalog Number**
422S

**Title**
Advanced Writing for Stage and Screen

**Description**
'Advanced Writing for Stage and Screen' will look at the strengths of three dramatic art-forms - playwriting, screen and TV writing - and the particular challenge they share: the concept of 'dramatic action' which provides the 'motor' for a dramatic work. Initial writing exercises will explore these dramatic-writing forms, in conjunction with the study of representative plays, films and TV series. Final projects - a play, screenplay or TV pilot - will be discussed and critiqued in class as they progress, prior to a final rewrite. Prerequisite for this course is one previous dramatic writing course - either playwriting or screenwriting.

## ENGLISH460S - Weil, Beauvoir, Murdoch: Three Women Philosophers in Mid-Twentieth Century Europe

**Subject**
ENGLISH

**Catalog Number**
460S

**Title**
Weil, Beauvoir, Murdoch: Three Women Philosophers in Mid-Twentieth Century Europe

**Description**
Simone Weil (1909-44), Simone de Beauvoir (1908-86), and Iris Murdoch (1919-99) are towering figures in the history of European philosophy. Yet they have all, in different ways, become somewhat marginal to the philosophical mainstream. All three wrote on ethics. Weil wrote on labor, society, affliction, and grace. Beauvoir wrote novels, memoirs, and The Second Sex, a groundbreaking feminist analysis of women's situation. Inspired by Weil, Murdoch wrote about attention and the good and became one of the UKs leading novelists. The course will introduce students to their writing across genres, and situate their work about their respective national traditions.

## ENGLISH480S - Understanding Mediation

**Subject**
ENGLISH

**Catalog Number**
480S

**Title**
Understanding Mediation

**Description**
Examines experience as always mediated. How does text mediate expression, or language mediate subjectivity? How do images mediate power, or sounds mediate resistance? How does computation mediate agency, or networks mediate thought? But also, how do nations mediate globalization, or oil mediate energy? And how do bodies mediate liveness, or the environment mediate history? Moves from particular media forms and examples (language, literature, the fine and performing arts, audiovisual media, computational media) to focus on key theoretical concepts and debates of critical theory from twentieth and twenty-first centuries. Crosses national boundaries to understand mediation from global perspective.

## ENGLISH482S - Studies in Contemporary Theory

**Subject**
ENGLISH

**Catalog Number**
482S

**Title**
Studies in Contemporary Theory

**Description**
Topics included: psychoanalysis, Marxism, Structuralism, Post-Structuralism, theory of film and the image; theory of race, gender, sexuality, with a concentration on materials since 1950. Satisfies the criticism, theory, methodology (CTM) for English majors.

## ENGLISH490 - Special Topics in Language and Literature

**Subject**
ENGLISH

**Catalog Number**
490

**Title**
Special Topics in Language and Literature

**Description**
Area requirements (Area I, II, III) to be determined by the Director of Undergraduate Studies.
<table>
<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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<tbody>
<tr>
<td>ENGLISH</td>
<td>490-1</td>
<td>ENGLISH490-1 - Current Topics in Linguistics</td>
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<td>490-7</td>
<td>ENGLISH490-7 - Special Topics in Literature and the Other Arts</td>
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<td>490S</td>
<td>ENGLISH490S - Special Topics in Language and Literature</td>
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<td>490S-1</td>
<td>ENGLISH490S-1 - Special Topics in Linguistics</td>
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<td></td>
<td>490S-10</td>
<td>ENGLISH490S-10 - Special Topics in Criticism, Theory, or Methodology</td>
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<td>490S-2</td>
<td>ENGLISH490S-2 - Special Topics in African American Literary Studies</td>
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<td>490T</td>
<td>ENGLISH490T - Tutorial (Area I, II, or III as determined by instructor)</td>
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<td>491</td>
<td>ENGLISH491 - Independent Study</td>
</tr>
</tbody>
</table>

**ENGLISH490-1 - Current Topics in Linguistics**

**Subject**: ENGLISH  
**Catalog Number**: 490-1  
**Title**: Current Topics in Linguistics

**Description**
Topics may change each semester. Area requirements (Area I, II, III) will be determined by the Director of Undergraduate Studies.

**ENGLISH490-7 - Special Topics in Literature and the Other Arts**

**Subject**: ENGLISH  
**Catalog Number**: 490-7  
**Title**: Special Topics in Literature and the Other Arts

**Description**
Selected topics in the study of the interrelation of literature and other art forms. Area requirements (Area I, II, III) for English majors will be determined by the Director of Undergraduate Studies.

**ENGLISH490S - Special Topics in Language and Literature**

**Subject**: ENGLISH  
**Catalog Number**: 490S  
**Title**: Special Topics in Language and Literature

**Description**
Topics may change each semester. Area requirements (Area I, II, III) will be determined by the Director of Undergraduate Studies.

**ENGLISH490S-10 - Special Topics in Criticism, Theory, or Methodology**

**Subject**: ENGLISH  
**Catalog Number**: 490S-10  
**Title**: Special Topics in Criticism, Theory, or Methodology

**Description**
Satisfies the Criticism, Theory, or Methodology (CTM) for English majors.

**ENGLISH490S-2 - Special Topics in African American Literary Studies**

**Subject**: ENGLISH  
**Catalog Number**: 490S-2  
**Title**: Special Topics in African American Literary Studies

**Description**
Topics may change each semester. Satisfies Area II or III requirement for English majors. To be determined by the Director of Undergraduate Studies.

**ENGLISH490T - Tutorial (Area I, II, or III as determined by instructor)**

**Subject**: ENGLISH  
**Catalog Number**: 490T  
**Title**: Tutorial (Area I, II, or III as determined by instructor)

**Description**
Tutorials under the supervision of a faculty member for two or more students working on related independent projects. Consent of instructor and director of undergraduate studies required.

**ENGLISH491 - Independent Study**

**Subject**: ENGLISH  
**Catalog Number**: 491  
**Title**: Independent Study

**Description**
Individual non-research creative writing project directed study in a field of special interest on a previously approved topic, under the supervision of a faculty member, resulting in an academic and/or artistic product. Open to juniors and seniors. Consent of both the instructor and the director of undergraduate studies required.
<table>
<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
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<tbody>
<tr>
<td>ENGLISH</td>
<td>493</td>
<td>Research Independent Study</td>
<td>Individual research in a field of special interest under the supervision of a faculty member, the central goal of which is a substantive paper or written report containing significant analysis and interpretation of a previously approved topic. Open to juniors and seniors. Consent of both the instructor and the director of undergraduate studies required.</td>
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<td></td>
<td>495</td>
<td>Distinction Creative Writing Independent Study</td>
<td>Open to those whose thesis will be in the field of creative writing. Application and consent of the Director of Undergraduate Studies.</td>
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<tr>
<td></td>
<td>496</td>
<td>Distinction Creative Writing Independent Study</td>
<td>Open to those whose thesis will be in the field of creative writing. Application and consent of the Director of Undergraduate Studies.</td>
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<tr>
<td></td>
<td>497</td>
<td>Distinction Critical Research Independent Study</td>
<td>Open to those whose thesis will be a critical paper or piece of other research (for example, in linguistics). Application and consent of the Director of Undergraduate Studies.</td>
</tr>
<tr>
<td></td>
<td>498</td>
<td>Distinction Critical Research Independent Study</td>
<td>Open to those whose thesis will be a critical paper or piece of other research (for example, in linguistics). Application and consent of the Director of Undergraduate Studies.</td>
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<td></td>
<td>89S</td>
<td>First-Year Seminar on Literature</td>
<td>Topics vary each semester offered. Prior to the drop/add period, this course is restricted to first-year students who have not fulfilled their seminar requirement.</td>
</tr>
</tbody>
</table>

Duke University
ENGLISH90S - Special Topics in Literature
Subject: ENGLISH
Catalog Number: 90S
Title: Special Topics in Literature
Description: Topics vary by semester; emphasis on development of writing skills.

ENRGYEGR310 - Introduction to Energy Generation, Delivery, Conversion and Efficiency
Subject: ENRGYEGR
Catalog Number: 310
Title: Introduction to Energy Generation, Delivery, Conversion and Efficiency
Description: An overall introduction to energy issues as they relate to generation, delivery, conversion and efficiency. Topics include efficiencies of both new and established energy generation and conversion methods, electricity generation by fossil fuels, nuclear, solar, wind and hydropower, and alternative energy technologies. Other topics include space heating and cooling by traditional methods and by solar, transportation energy in automobiles, mass transit, and freight. Topics are evaluated quantitatively by modeling and using principles of fluid mechanics, thermodynamics, and heat transfer. The environmental consequences of energy choices on local, national and global scales, including toxic emissions, greenhouse gases, and resource depletion are also discussed in an integrated fashion throughout the course. Prerequisite: Mechanical Engineering 331L, or Mechanical Engineering 512, or Physics 311, or similar thermodynamics, or consent of instructor. Course is not open to students who have taken Mechanical Engineering 461.

ENRGYEGR431 - Power Electronic Circuits for Energy Conversion
Subject: ENRGYEGR
Catalog Number: 431
Title: Power Electronic Circuits for Energy Conversion
Description: Efficient conversion of electrical energy is critical for electric and hybrid vehicles, wind and solar energy, power grids, computers, medical devices, and portable devices. This course teaches analysis and design of power electronic circuits for energy conversion, including circuit operation (converter topologies, steady-state modeling, switch realization), converter control (ac modeling, small-signal transfer functions, feedback), and magnetics (inductors, transformers). The course shares lectures with ECE/Energy Engineering 531, but has fewer assignments. Prerequisite: ECE 230L or Engineering 224L or graduate student standing. Not open to students who have taken ECE 531 or Energy Engineering 531.

ENRGYEGR490 - Special Topics in Energy Engineering
Subject: ENRGYEGR
Catalog Number: 490
Title: Special Topics in Energy Engineering
Description: Study arranged on a special topic in which the instructor has particular interest and competence. Consent of instructor and director of energy engineering program required. Topics vary by section.
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<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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<tbody>
<tr>
<td>ENVIRON</td>
<td>102</td>
<td>Introduction to Environmental Sciences and Policy</td>
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</tbody>
</table>

**Description**

An introduction to the study of environmental sciences and policy through exploration of basic environmental principles in the life, physical, and social sciences. Emphasis on understanding how the atmosphere, hydrosphere, lithosphere, cryosphere, and biosphere function, and how these spheres interact with human consumption, production, and technological patterns and processes. Field trips to a local site as well as the Duke University Marine Laboratory.

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<tr>
<th>Subject</th>
<th>Catalog Number</th>
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<tbody>
<tr>
<td>ENVIRON</td>
<td>102D</td>
<td>Introduction to Environmental Sciences and Policy</td>
</tr>
</tbody>
</table>

**Description**

An introduction to the study of environmental sciences and policy through exploration of basic environmental principles in the life, physical, and social sciences. Emphasis on understanding how the atmosphere, hydrosphere, lithosphere, cryosphere, and biosphere function, and how these spheres interact with human consumption, production, and technological patterns and processes. Field trips to a local site as well as the Duke University Marine Laboratory.

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<th>Subject</th>
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<th>Title</th>
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<tbody>
<tr>
<td>ENVIRON</td>
<td>144A</td>
<td>The Ecological Side of Spain: How the Climate, Biology and Territory Define Our Society</td>
</tr>
</tbody>
</table>

**Description**

This Duke in Madrid course aims to give a perspective that combines geography, biology, anthropology, and sociology in a joint vision of Spain as a natural space, and how this configuration is reflected in diverse creative environments: the cinema, literature, photography, or art from both past and present. Ecology, territory, the rural world, primary economic activity, and nature will guide us in our journey that, acknowledging Spain's biogeographical and climatic plurality, will take us from the paleolithic paintings in northwest Cantabria and their intimacy with nature to diverse stops in the Spanish context and the interaction of these stops with the environment and society.

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<th>Title</th>
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<tr>
<td>ENVIRON</td>
<td>147</td>
<td>Israel/Palestine: Comparative Perspectives</td>
</tr>
</tbody>
</table>

**Description**

Introduction to the Israel/Palestine conflict, studied through an interdisciplinary lens, including scholarship from the fields of anthropology, environmental studies, history, geography and cultural studies. Themes include: competing nationalisms, environmental politics and resource management, peace building, refugees and displacement, humanitarian crises and challenges, representational politics. Range of primary sources will be used including human rights reports and testimonials, natural resource policies, feature and documentary film, memoirs, political treatises, and maps.
ENVIRON148FS - Genomics of Host-Microbe Interactions: The Symbiotic Web

Subject
ENVIRON
Catalog Number
148FS
Title
Genomics of Host-Microbe Interactions: The Symbiotic Web

Description
Genomic insights into the astonishingly diverse microbial world, including microbes that interact with hosts in beneficial and harmful ways. Dominance of microbes in our own bodies, which contain 10 times more bacterial cells than human cells and 150 times more bacterial genes than human genes. Understanding how microbial interactions have impacted life’s history, genome evolution, ecology, and human health. Factors that dictate trajectories toward parasitism versus mutualism, how microbial symbionts respond to environmental change, molecular and cellular mechanisms of homeostasis. Readings will focus on primary articles. Open only to students in the Focus Program.

ENVIRON153 - Climate, Coffee, and Coronavirus: Why Ecology Matters to Human Health

Subject
ENVIRON
Catalog Number
153
Title
Climate, Coffee, and Coronavirus: Why Ecology Matters to Human Health

Description
This course explores interactions between organisms and their environments that impact human health. We will examine the effects of climate change and human population growth on our food supply, water availability, the spread of disease, and ecosystem services. Case studies will be used to illustrate the scientific process, to evaluate supporting evidence, and to investigate ethical issues. For nonmajors. Not open to students who have taken Biology 209-1 or Biology 209S-1.

ENVIRON153S - Climate, Coffee, & Coronavirus: Why Ecology Matters to Human Health

Subject
ENVIRON
Catalog Number
153S
Title
Climate, Coffee, & Coronavirus: Why Ecology Matters to Human Health

Description
This course explores interactions between organisms and their environments that impact human health and wellbeing. We will examine the effects of climate change and human population growth on our food supply, water availability, the spread of disease, and ecosystem services. Case studies will be used to illustrate the scientific process, to evaluate supporting evidence, and to investigate ethical issues. Cross-listed between Biology, Global Health, and Environmental Studies and the fall seminar is affiliated with a Duke Immerse Cluster: Pandemics, Health & Power. Not open to students who have taken Biology 209-1 or Biology 209S-1.

ENVIRON155 - Principles of Economics and the Environment

Subject
ENVIRON
Catalog Number
155
Title
Principles of Economics and the Environment

Description
Teaches basic economic literacy and introduces environmental and natural resource issues through the lens of economics. Analyzes incentives and decisions of individuals, firms, and governments and how they interact with the natural environment. Examples include a consumer deciding to purchase organic produce, a firm deciding to install pollution control technology, a government choosing to regulate a carcinogenic chemical, and group of nations deciding to regulate greenhouse gas emissions. Stresses command of economic reasoning and analytical tools as ways to understand why people and governments do what they do and how policies might better address the needs of society.
### ENVRON155D - Principles of Economics and the Environment

**Subject** | **Catalog Number** | **Title**  
--- | --- | ---  
ENVIRON | 155D | Principles of Economics and the Environment  

**Description**  
Teaches basic economic literacy and introduces environmental and natural resource issues through the lens of economics. Analyzes incentives and decisions of individuals, firms, and governments and how they interact with the natural environment. Examples include a consumer deciding to purchase organic produce, a firm deciding to install pollution control technology, a government choosing to regulate a carcinogenic chemical, and group of nations deciding to regulate greenhouse gas emissions. Stresses command of economic reasoning and analytical tools as ways to understand why people and governments do what they do and how policies might better address the needs of society.

### ENVRON180FS - Dynamics of Environmental & Climate Justice: Movements, Countermovements, & Institutional Response

**Subject** | **Catalog Number** | **Title**  
--- | --- | ---  
ENVIRON | 180FS | Dynamics of Environmental & Climate Justice: Movements, Countermovements, & Institutional Response  

**Description**  
This course examines the contentious politics of the environmental justice and climate justice movements. We explore how these movements and their opposition work to shape political opportunities and responses. We will consider the substantive concerns of the environmental justice movement, the climate justice movement, their methods, and the scales at which they operate (local, national, global). Social movements of political significance will generate opposition. So, we will consider the countermovements that challenge both justice movements. These topics will be explored using a range of materials as well as through field observations of movement activities and other events. FOCUS program students only.

### ENVRON190A - Duke-Administered Study Abroad: Special Topics in Environmental Sciences and Policy

**Subject** | **Catalog Number** | **Title**  
--- | --- | ---  
ENVIRON | 190A | Duke-Administered Study Abroad: Special Topics in Environmental Sciences and Policy  

**Description**  
Topics differ by section.

### ENVRON190FS - Topics in Environment

**Subject** | **Catalog Number** | **Title**  
--- | --- | ---  
ENVIRON | 190FS | Topics in Environment  

**Description**  
Topics vary semester to semester. Only open to students in the Focus Program. Consent of Instructor required.

### ENVRON190S - Special Topics in Environmental Sciences and Policy

**Subject** | **Catalog Number** | **Title**  
--- | --- | ---  
ENVIRON | 190S | Special Topics in Environmental Sciences and Policy  

**Description**  
Content to be determined each semester.

### ENVRON20 - Environmental Sciences

**Subject** | **Catalog Number** | **Title**  
--- | --- | ---  
ENVIRON | 20 | Environmental Sciences  

**Description**  
AP Credit in Environmental Sciences
**ENVIRON201 - Integrating Environmental Sciences and Policy**

Subject: ENVIRON  
Catalog Number: 201  
Title: Integrating Environmental Sciences and Policy

**Description**

Interaction between the natural and the social systems as they relate to the environment. Focus on ecological and earth system cycles, processes, and fundamental relationships. The environmental impact of human-induced change at the local, regional, and global levels. The role of technology and the policy process in determining how environmental problems evolve and are addressed. Use of ethical analysis to evaluate environmental tradeoffs. Use of case studies to integrate multiple disciplinary perspectives on environmental problems and to address issues of environmental justice. Prerequisite: Environment 102 or consent of instructor.

**ENVIRON201D - Integrating Environmental Sciences and Policy**

Subject: ENVIRON  
Catalog Number: 201D  
Title: Integrating Environmental Sciences and Policy

**Description**

Interaction between the natural and the social systems as they relate to the environment. Focus on ecological and earth system cycles, processes, and fundamental relationships. The environmental impact of human-induced change at the local, regional, and global levels. The role of technology and the policy process in determining how environmental problems evolve and are addressed. Use of ethical analysis to evaluate environmental tradeoffs. Use of case studies to integrate multiple disciplinary perspectives on environmental problems and to address issues of environmental justice. Prerequisite: Environment 102 or consent of instructor.

**ENVIRON205 - Marine Megafauna**

Subject: ENVIRON  
Catalog Number: 205  
Title: Marine Megafauna

**Description**

Ecology, systematics, and behavior of large marine animals including giant squid, bony fishes, sharks, sea turtles, seabirds, and marine mammals. Relations between ocean dynamics, large marine animals, and their role in ocean food webs. Impact of human activities and technological advancement on populations. Economic, social, and policy considerations in the protection of threatened species. Prerequisite: AP Biology, Introductory Biology, or consent of the instructor.

**ENVIRON209 - Food, Farming, and Feminism**

Subject: ENVIRON  
Catalog Number: 209  
Title: Food, Farming, and Feminism

**Description**

Viewing 'agriculture,' 'nature,' and 'consumption' as pressing feminist themes and exploration of various dimensions of the cultural and political ecology/economy of producing, processing, circulating, preparing, and consuming sustenance. Particular focus on the ethical impact of US policy on rural farm communities and developing nations.

**ENVIRON210D - Conserving the Variety of Life on Earth**

Subject: ENVIRON  
Catalog Number: 210D  
Title: Conserving the Variety of Life on Earth

**Description**

An overview of biological diversity, its patterns, and the current extinction crisis. Historical and theoretical foundations of conservation, from human values and law to criteria and frameworks for setting conservation priorities; island biogeography theory, landscape ecology, and socioeconomic considerations in reserve design; management of endangered species in the wild and in captivity; managing protected areas for long term viability of populations; the role of the landscape matrix around protected areas; and techniques for conserving biological diversity in semi-wild productive ecosystems such as forests.

**ENVIRON212 - United States Environmental Policy**

Subject: ENVIRON  
Catalog Number: 212  
Title: United States Environmental Policy

**Description**

An overview of the major environmental legislation in the United States. Topics include: air and water pollution, hazardous waste, agriculture, wildlife, and institutions. Political, economic, ethical, and scientific analysis. Open to juniors or seniors or by consent of instructor.
### ENVIRON212D - United States Environmental Policy

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<th>Subject</th>
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<th>Title</th>
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<tbody>
<tr>
<td>ENVIRON</td>
<td>212D</td>
<td>United States Environmental Policy</td>
</tr>
</tbody>
</table>

**Description**

An overview of the major environmental legislation in the United States. Topics include: air and water pollution, hazardous waste, agriculture, wildlife, and institutions. Political, economic, ethical, and scientific analysis. Open to juniors or seniors or by consent of instructor.

### ENVIRON213 - Ecology and the Human Good: Sustainability, Community, Nature, and Belonging

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**Description**

This course examines the complex network of relationships that support flourishing human communities. How do our interactions with each other and the natural world enhance or undermine our ability to grow and live together? How does the structure of human communities shape our relationship with nature? What is the proper role of markets and technological innovation in our quest for a sustainable and flourishing future world? Through an interdisciplinary lens, we will examine topics including sustainable agriculture, community formation, friendship, climate migration, environmental ethics, food, conservation, the politics of belonging and citizenship. This course is part of the Transformative Ideas Sophomore Program.

### ENVIRON214S - Ethical Challenges in Environmental Conservation

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<tr>
<td>ENVIRON</td>
<td>214S</td>
<td>Ethical Challenges in Environmental Conservation</td>
</tr>
</tbody>
</table>

**Description**

Examination of current ethical challenges in environmental conservation. Topics include the philosophical basis and challenges of mankind’s responsibility to the natural world; prioritization of often conflicting conservation efforts; balancing the needs of humans and the environment; the disputed role of scientists as advocates; and the philosophical and political obstacles to conservation efforts. Analysis of the evolving environmental movement, in relation to current issues.

### ENVIRON216DS - Environment and Conflict: The Role of the Environment in Conflict and Peacebuilding

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<tr>
<td>ENVIRON</td>
<td>216DS</td>
<td>Environment and Conflict: The Role of the Environment in Conflict and Peacebuilding</td>
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</table>

**Description**

Environmental and natural resources as a source of conflict and/or peacebuilding between and within nations and states. Analysis of the role of the environment in the conflict cycle and international security. Topics include refugees, climate change, water, and infectious disease. Particular focus on post-conflict and rebuilding in war-torn societies. Examination of the role of international organizations, non-governmental organizations, and emerging standards for environmental management. Examples drawn from conflicts such as Rwanda, Israel/Palestine, Nepal, Sierra Leone and others. Instructor consent required.
ENVIRON216S - Environment and Conflict: The Role of the Environment in Conflict and Peacebuilding

Subject: ENVIRON
Catalog Number: 216S
Title: Environment and Conflict: The Role of the Environment in Conflict and Peacebuilding

Description
Environmental and natural resources as a source of conflict and/or peacebuilding between and within nations and states. Analysis of the role of the environment in the conflict cycle and international security. Topics include refugees, climate change, water, and infectious disease. Particular focus on post-conflict and rebuilding in war-torn societies. Examination of the role of international organizations, non-governmental organizations, and emerging standards for environmental management. Examples drawn from conflicts such as Rwanda, Israel/Palestine, Nepal, Sierra Leone and others. Instructor consent required.

ENVIRON220 - Water Sciences: Principles and Challenges

Subject: ENVIRON
Catalog Number: 220
Title: Water Sciences: Principles and Challenges

Description
Fundamental principles and challenges in water sciences on local, regional and global scales. Topics include the global hydrological cycle, impact of climate change on water availability, principles of surface water and groundwater flow, fundamentals of water quality, the energy-water nexus, and scientific and technological approaches used to trace pollutants and remediate contamination. Relationships between human activities (anthropogenic effects) and naturally occurring processes that affect local and global water availability and quality. Emphasis on cutting edge water research and human and environmental impacts.
Recommended prerequisite: Earth and Ocean Sciences 101, Environment 102, or equivalents, and introductory chemistry.

ENVIRON223 - Environment and Global Capitalism in Latin America

Subject: ENVIRON
Catalog Number: 223
Title: Environment and Global Capitalism in Latin America

Description
Global capitalism relies on the ever increasing extraction and displacement of natural resources around the world. The discovery and subsequent colonization of Latin America by European powers meant the massive circulation of organisms (from germs to human beings) and natural resources (organic and mineral) across continents with lasting consequences for humans, animals and landscapes. Focusing on Latin America, this course analyzes the environmental history of global capitalism. Our aim will be to explore what happens when massive amounts of natural resources are relocated from one place to another.

ENVIRON226DS - Field Methods in Earth and Environmental Sciences

Subject: ENVIRON
Catalog Number: 226DS
Title: Field Methods in Earth and Environmental Sciences

Description
Introduction to basic field methods used in the earth and environmental sciences. Field investigations focus on topics such as groundwater and surface water movements, soil chemistry and identification, topographic and geologic mapping, the atmosphere/soil interface, and plant identification and distributions. Design of a field investigation, collection of data to address a specific goal, and interpretation and reporting of the results. Emphasis on learning to report field results in the format of scientific publications. Visits to five local field sites. Open only to juniors and seniors.
ENVIRON226S - Field Methods in Earth and Environmental Sciences

Subject: ENVIRON
Catalog Number: 226S
Title: Field Methods in Earth and Environmental Sciences

Description: Introduction to basic field methods used in the earth and environmental sciences. Field investigations focus on topics such as groundwater and surface water movements, soil chemistry and identification, topographic and geologic mapping, the atmosphere/soil interface, and plant identification and distributions. Design of a field investigation, collection of data to address a specific goal, and interpretation and reporting of the results. Emphasis on learning to report field results in the format of scientific publications. Visits to five local field sites. Open only to juniors and seniors.

ENVIRON228S - Food and Fuel for a Growing Population: Nuts and Bolts of Plant Growth and Production

Subject: ENVIRON
Catalog Number: 228S
Title: Food and Fuel for a Growing Population: Nuts and Bolts of Plant Growth and Production

Description: Covers primary physiological processes from subcellular to whole plant that affect plant growth in a changing environment. Processes include photosynthesis, respiration, water relations, nutrient and carbohydrate allocation, signaling, and stress responses to various biotic and abiotic factors for a range of plant species adapted to different environments. Applications include plant improvement for food and biofuel production, management of plant growth in response to global change. Offered through the DukeImmerse program. Will include travel to farms in NC locally, to the mountains, and to the coast. Recommended prerequisite: Biology 201L, 202L, or 203L. Instructor consent required.

ENVIRON231 - Energy and the Environment

Subject: ENVIRON
Catalog Number: 231
Title: Energy and the Environment

Description: Overview of the challenges confronting humanity as a consequence of our reliance on energy. Challenges include dwindling supplies, rising demand and environmental degradation. Realistic responses require an understanding of the complexity of the energy system, including energy resources, uses, and impacts, in the context of social, political and economic imperatives. Lectures will be augmented by presentations from guest speakers from industry, government and non-profit organizations.

ENVIRON239 - Introduction to Atmospheric Chemistry: From Air Pollution to Climate Change

Subject: ENVIRON
Catalog Number: 239
Title: Introduction to Atmospheric Chemistry: From Air Pollution to Climate Change

Description: Integrated scientific background for the impact of humans on the natural environment. Topics covered include greenhouse gases and climate, local and regional ozone pollution, long-range pollution transport, acid rain, atmospheric particulate matter pollution, and stratospheric ozone depletion. Prerequisite: Chemistry 101DL.
### ENVIRON245 - The Theory and Practice of Sustainability

**Subject**  
ENVIRON

**Catalog Number**  
245

**Title**  
The Theory and Practice of Sustainability

**Description**  
Theories and practices of sustainability explored with application to the campus environment, including economic, social and environmental factors, and a local to global reach. The Duke campus is used as a case study to illustrate institutional practices including building design and operations, utility supply and consumption, carbon offsets design and calculation, transportation, water, sustainability education and communication, behavior change, waste production and recycling, and procurement. In a service-learning project, students might perform sustainability inventories and cost/benefit analyses, or gather behavior change data.

### ENVIRON265 - Environmental Law and Policy

**Subject**  
ENVIRON

**Catalog Number**  
265

**Title**  
Environmental Law and Policy

**Description**  
Legal principles governing environmental problems in the United States, including endangered species, hazardous waste, air pollution. Introduction to the overarching topics in law and in regulatory design that shape the contributions and roles law plays in solutions to environmental problems.

### ENVIRON268 - Examining the Ethics of Engaging in Environmental Professions

**Subject**  
ENVIRON

**Catalog Number**  
268

**Title**  
Examining the Ethics of Engaging in Environmental Professions

**Description**  
Examines internship experience in context of personal, professional and environmental ethics. Marries internship experience with critical engagement with peer-reviewed literature, academic texts, essays, videos, and podcasts. Students engage in reflective conversations with co-workers and peers to practice weighing evidence, synthesizing research, articulating own perspective through writing and revising. Employs written reflection to examine lessons learned through internship experience and enhance transfer of lessons to new situations. Online course available only in summer. Department consent required.

### ENVIRON269T-1 - Voices in the Environment: Spanish

**Subject**  
ENVIRON

**Catalog Number**  
269T-1

**Title**  
Voices in the Environment: Spanish

**Description**  
In this course, students will explore how language and culture impact environmental policy and practice. Through authentic text, video, and case studies in Spanish, students will analyze environmental issues in Latin America to develop their understanding of core issues in the field. Tutorials meet for 75 minutes/week. Taught in Spanish.
**ENVIRON269T-2 - Voices in the Environment: French**

**Subject**: ENVIRON  
**Catalog Number**: 269T-2  
**Title**: Voices in the Environment: French

**Description**: In this course, students will explore how language and culture impact environmental policy and practice. Through authentic text, video, and case studies in French, students will analyze environmental issues in the Francophone World to develop their understanding of core issues in the field. Tutorials meet for 75 minutes/week. Taught in French.

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**ENVIRON269T-3 - Voices in the Environment: Mandarin**

**Subject**: ENVIRON  
**Catalog Number**: 269T-3  
**Title**: Voices in the Environment: Mandarin

**Description**: In this course, students will explore how language and culture impact environmental policy and practice. Through authentic text, video, and case studies in Mandarin, students will analyze environmental issues in the Francophone World to develop their understanding of core issues in the field. Tutorials meet for 75 minutes/week. Taught in Mandarin.

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**ENVIRON269T-4 - Voices in the Environment: German**

**Subject**: ENVIRON  
**Catalog Number**: 269T-4  
**Title**: Voices in the Environment: German

**Description**: In this course, students will explore how language and culture impact environmental policy and practice. Through authentic text, video, and case studies in German, students will analyze environmental issues in Germany to develop their understanding of core issues in the field. Tutorials meet for 75 minutes/week. Taught in German. Prerequisite: 4 semesters of German or equivalent.

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**ENVIRON270 - Conservation Biology and Policy**

**Subject**: ENVIRON  
**Catalog Number**: 270  
**Title**: Conservation Biology and Policy

**Description**: Introduction to the key concepts of ecology and policy relevant to conservation issues at the population to ecosystems level. Focus on the origin and maintenance of biodiversity and conservation applications from both the biology and policy perspectives (for example, endangered species, captive breeding, reserve design, habitat fragmentation, ecosystem restoration/rehabilitation). Taught in Beaufort at Duke Marine Lab. Recommended prerequisite: introductory biology and a policy and/or introductory ecology course.

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**ENVIRON270A - Conservation Biology and Policy**

**Subject**: ENVIRON  
**Catalog Number**: 270A  
**Title**: Conservation Biology and Policy

**Description**: Introduction to the key concepts of ecology and policy relevant to conservation issues at the population to ecosystems level. Focus on the origin and maintenance of biodiversity and conservation applications from both the biology and policy perspectives (for example, endangered species, captive breeding, reserve design, habitat fragmentation, ecosystem restoration/rehabilitation). Taught in Beaufort at Duke Marine Lab. Recommended prerequisite: introductory biology and a policy and/or introductory ecology course.

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**ENVIRON272A - Analysis of Ocean Ecosystems**

**Subject**: ENVIRON  
**Catalog Number**: 272A  
**Title**: Analysis of Ocean Ecosystems

**Description**: The history, utility, and heuristic value of the ecosystem; ocean systems in the context of Odum’s ecosystem concept; structure and function of the earth’s major ecosystems. Taught in Beaufort at Duke Marine Lab. Prerequisite: one year of biology, one year of chemistry, or consent of instructor.
ENVIRON273L - Marine Ecology

Subject: ENVIRON
Catalog Number: 273L
Title: Marine Ecology

Description: Distribution, abundance, and diversity of marine organisms, including a survey of the major flora and fauna in the marine environment, including physical characteristics, adaptation to environment, species interactions, biogeography, larval recruitment, and biodiversity and conservation of communities found in rocky shores, tidal flats, beaches, marshes, mangrove, coral reefs, and subtidal areas. Lectures, field excursions, lab exercises and an independent project. Taught fall, spring, and summer; spring enrollment requires travel. Recommended prerequisite: AP biology or introductory biology.

ENVIRON273LA - Marine Ecology

Subject: ENVIRON
Catalog Number: 273LA
Title: Marine Ecology

Description: Distribution, abundance, and diversity of marine organisms, including a survey of the major flora and fauna in the marine environment, including physical characteristics, adaptation to environment, species interactions, biogeography, larval recruitment, and biodiversity and conservation of communities found in rocky shores, tidal flats, beaches, marshes, mangrove, coral reefs, and subtidal areas. Lectures, field excursions, lab exercises and an independent project. Taught in Beaufort at Duke Marine Lab. Taught fall, spring, and summer; spring enrollment requires travel. Recommended intro bio or AP Bio credit. Instructor consent required, visit DUML website for details.

ENVIRON274 - People, Plants and Pollution: Introduction to Urban Environments

Subject: ENVIRON
Catalog Number: 274
Title: People, Plants and Pollution: Introduction to Urban Environments

Description: Cities turn natural lands into impervious surfaces, like roofs and parking lots, while trees, forests, and grass decrease. Course covers urban environmental issues, including energy and carbon, air, heat, and water pollution, the health and welfare of people, and changes in other species and regional/global climatic patterns. Examines costs/benefits of urban nature on solving urban environmental problems, including enhancing the social welfare of people's lives.

ENVIRON276 - Denial, Faith, Reason: Sustainability and Survival

Subject: ENVIRON
Catalog Number: 276
Title: Denial, Faith, Reason: Sustainability and Survival

Description: This course investigates both theory and history of the concept of sustainability, and explores its various economic and political manifestations over time. What are the historical roots of the sustainability debate? What aspects of life do various concepts of sustainability entail, and how do they inform modern ethics? What, in the end, does the history of political economics teach us about the possibility of sustainable development?

ENVIRON277A - Biodiversity of Alaska

Subject: ENVIRON
Catalog Number: 277A
Title: Biodiversity of Alaska

Description: Ecology/biodiversity and conservation in Alaska: identification and natural history of native plants and animals including both terrestrial and marine species, biogeographic history and patterns, native American cultures, conservation issues surrounding Alaskan natural resources. Regional, national, and geopolitical issues surrounding development and conservation in Alaska and elsewhere in the arctic. Lectures and discussions complemented by field trips to examine terrestrial, aquatic, and marine ecosystems across the three major Alaskan biomes: coastal rainforest, boreal coniferous forest, arctic/alpine. Taught in Alaska.

ENVIRON278L - Comparative Physiology of Marine Animals

Subject: ENVIRON
Catalog Number: 278L
Title: Comparative Physiology of Marine Animals

Description: Physiology of marine animals with emphasis on comparisons between marine vertebrates and humans. Focus on physiological processes including gas exchange, circulation, osmoregulation, metabolism, thermoregulation, endocrine, neural control and sensory systems. Lectures and laboratories illustrate the methodology, analysis techniques, and written reporting of physiological research. Taught fall, spring, and summer. Recommended prerequisite: AP biology, introductory biology, or consent of the instructor.
**ENVIRO278LA - Comparative Physiology of Marine Animals**

**Subject**: ENVIRON  
**Catalog Number**: 278LA  
**Title**: Comparative Physiology of Marine Animals  

**Description**
Physiology of marine animals with emphasis on comparisons between marine vertebrates and humans. Focus on physiological processes including gas exchange, circulation, osmoregulation, metabolism, thermoregulation, endocrine, neural control and sensory systems. Lectures and laboratories illustrate the methodology, analysis techniques, and written reporting of physiological research. Taught in Beaufort at Duke Marine Lab. Taught fall, spring, and summer. Prerequisite: AP biology, introductory biology, or consent of the instructor.

**ENVIRO280LA - Sound in the Sea: Introduction to Marine Bioacoustics**

**Subject**: ENVIRON  
**Catalog Number**: 280LA  
**Title**: Sound in the Sea: Introduction to Marine Bioacoustics  

**Description**
Fundamentals of marine bioacoustics with a focus on current literature and conservation issues. Topics include: introduction to acoustics; acoustic analysis methods and quantitative tools; production and recording of sound; ocean noise; propagation theory; active and passive acoustics; hearing, sound production and communication in marine organisms, potential impacts of anthropogenic noise; and regulation of marine sound. Labs will focus on methodologies used for generating, recording and analyzing marine sounds. Taught in Beaufort at Duke Marine Lab. Prerequisite: AP Biology, introductory biology, or consent of instructor; Physics 141L or 164L (or equivalent Physics courses) or consent of instructor.

**ENVIRO286 - Marine Policy**

**Subject**: ENVIRON  
**Catalog Number**: 286  
**Title**: Marine Policy  

**Description**
Policy and policy-making concerning the coastal marine environment. History of marine-related organizations, legislation, and issues and their effects on local, regional, national, and international arenas. Use of theoretical and methodological perspectives, including political science, sociology, and economics. Duke Marine Lab-based course video linked to Durham.

**ENVIRO286A - Marine Policy**

**Subject**: ENVIRON  
**Catalog Number**: 286A  
**Title**: Marine Policy  

**Description**
Policy and policy-making concerning the coastal marine environment. History of marine-related organizations, legislation, and issues and their effects on local, regional, national, and international arenas. Use of theoretical and methodological perspectives, including political science, sociology, and economics. Taught in Beaufort at Duke Marine Lab.
ENVIRON287A - Conservation Biology & Service Learning: coastal ecosystems, restoration and communities

Subject
ENVIRON
Catalog Number
287A
Title
Conservation Biology & Service Learning: coastal ecosystems, restoration and communities

Description
Introduction to marine conservation biology emphasizing community outreach at local middle schools. Material focuses on issues in marine conservation and how they are addressed. Lectures cover principles of conservation, biodiversity, extinction risks, genetic tools, fishery by-catch, over-exploitation, habitat degradation, invasive species, climate change, and marine protected areas. Based on class discussions, students will develop and teach activities that address local conservation topics for middle school students. Taught in Beaufort at Duke Marine Lab. Recommended prerequisite: introductory biology.

ENVIRON288A - Biogeography in an Australian Context

Subject
ENVIRON
Catalog Number
288A
Title
Biogeography in an Australian Context

Description
Distribution of plants and animals in space and time as determined by the interaction of geophysics, geology, climate, and evolutionary history. Special emphasis on the unique terrestrial and marine faunas and floras of the Australian continent and on the impact of humans on the distribution of these plants and animals. Taught in Australia.

ENVIRON289A - Climate Change and the Human Experience in a Danish Context

Subject
ENVIRON
Catalog Number
289A
Title
Climate Change and the Human Experience in a Danish Context

Description
Primarily field-based exploration of the geological and ecological evidence for climatically-driven change and its distinct influence on the development of early Northern European civilization. Special emphasis on the relationship between climate change and human adaptation at the end of the last Ice Age, during the Medieval Warm Period, the Little Ice Age, and to modern anthropogenic global warming. Summer Study Abroad taught in Denmark.

ENVIRON290 - Special Topics in Environmental Sciences and Policy

Subject
ENVIRON
Catalog Number
290
Title
Special Topics in Environmental Sciences and Policy

Description
Content to be determined each semester.

ENVIRON290A - Duke-Administered Study Abroad: Advanced Special Topics in Environmental Sciences and Policy

Subject
ENVIRON
Catalog Number
290A
Title
Duke-Administered Study Abroad: Advanced Special Topics in Environmental Sciences and Policy

Description
Topics differ by section.

ENVIRON290D - Special Topics in Environmental Sciences and Policy

Subject
ENVIRON
Catalog Number
290D
Title
Special Topics in Environmental Sciences and Policy

Description
Content to be determined each semester.
ENVIRON290S - Special Topics in Environmental Sciences and Policy

Subject: ENVIRON
Catalog Number: 290S
Title: Special Topics in Environmental Sciences and Policy

Description:
Same as Environment 290 but taught as a seminar.

ENVIRON305SA - Social Impact Analysis

Subject: ENVIRON
Catalog Number: 305SA
Title: Social Impact Analysis

Description:
Course covers theoretical, methodological and applied aspects of social impact analysis. Students will think sociologically about environmental issues and social impacts they create. Course reviews key US policies and guidelines that require and inform social impact analysis. Students will understand and critique key methods and approaches used in social impact analysis to generate inclusive decisions that protect the environment and health of human communities that share its abundance and meaning. Course will compare and critique a range of national and international social impact examples, including ethical issues associated with the non-human world. Consent of instructor is required. Taught in Beaufort at Duke Marine Lab.

ENVIRON308A - Oceans in Human and Environmental Health

Subject: ENVIRON
Catalog Number: 308A
Title: Oceans in Human and Environmental Health

Description:
Students will gain a grounding in marine sciences to help them to evaluate impacts of anthropogenic activities on marine ecosystems and the humans that rely on them. After developing an understanding of the issues facing environmental and human health and well-being in marine systems, students will travel to the Galapagos to better understand environmental challenges facing biodiversity and tourism hot spot. This course embraces immersive field experiences in North Carolina and the Galapagos to contextualize classroom learning and to develop connections with environmental practitioners and residents. Taught in Beaufort at Duke Marine Lab. Duke Immerse course. Instructor consent is required.

ENVIRON309A - Oceans in Human and Environmental Health

Subject: ENVIRON
Catalog Number: 309A
Title: Oceans in Human and Environmental Health

Description:
Focus on the concept of 'One Health' that the health of the environment and the people who live in it are linked. The basis (from a biological perspective) of threats facing the marine environment and interactions between environmental and human health and their role in global health disparities. For example, in discussing fisheries and aquaculture, the course will cover environmental impacts of these extractive industries and their importance in human and societal well-being. This course will embrace immersive field experiences in North Carolina that will contextualize classroom learning and develop connections with practitioners and residents. Taught in Beaufort at Duke Marine Lab.
ENVIRON309DA - Oceans in Human and Environmental Health

Subject: ENVIRON
Catalog Number: 309DA
Title: Oceans in Human and Environmental Health

Description
Focus on the concept of 'One Health' that the health of the environment and the people who live in it are linked. The basis (from a biological perspective) of threats facing the marine environment and interactions between environmental and human health and their role in global health disparities. For example, in discussing fisheries and aquaculture, the course will cover environmental impacts of these extractive industries and their importance in human and societal well-being. This course will embrace immersive field experiences in North Carolina that will contextualize classroom learning and develop connections with practitioners and residents. Taught in Beaufort at Duke Marine Lab.

ENVIRON310 - Forest Measurements

Subject: ENVIRON
Catalog Number: 310
Title: Forest Measurements

Description
This course aims to familiarize students with the field and analytic measurement skills expected of professionals in forest ecosystem management. In this course, we consider techniques for measuring forest characteristics at three different scales: individual plant, forest stand, and landscape. These techniques require the use of traditional forestry instruments (e.g., clinometers, Biltmore sticks) and contemporary handheld GPS units. This course heavily emphasizes field activities and quantitative skills. Recommended prerequisite: Environment 311 (Dendrology, past or concurrent) and/or instructor consent. Instructor consent required.

ENVIRON311 - Dendrology

Subject: ENVIRON
Catalog Number: 311
Title: Dendrology

Description
This course aims to familiarize students with the secret lives of trees. We begin by learning to identify over 130 woody plants of the Piedmont. To do this, we will also grapple with dichotomous keys and plant systematics to help us identify plants anywhere in the world. We also address topics like the chemical communication of trees, the relationships among wildlife and trees, and the value of trees. Most of this course will be outside. Instructor consent required.

ENVIRON315DS - Environmental Issues & the Documentary Arts

Subject: ENVIRON
Catalog Number: 315DS
Title: Environmental Issues & the Documentary Arts

Description
Survey how filmmakers, authors, photographers, and other artists have brought environmental issues to the public's attention in the last century, and in some cases instigated profound societal and political change. Examine the nebulous distinctions between persuasion and propaganda, agenda and allegory, point of view and content. Evolve as a viewer of the environment and a maker of documentary art. Initiate your own projects to address and/or depict environmental issues in one form of a broad range of media.

ENVIRON315S - Environmental Issues & the Documentary Arts

Subject: ENVIRON
Catalog Number: 315S
Title: Environmental Issues & the Documentary Arts

Description
Survey how filmmakers, authors, photographers, and other artists have brought environmental issues to the public's attention in the last century, and in some cases instigated profound societal and political change. Examine the nebulous distinctions between persuasion and propaganda, agenda and allegory, point of view and content. Evolve as a viewer of the environment and a maker of documentary art. Initiate your own projects to address and/or depict environmental issues in one form of a broad range of media.

ENVIRON319A - Aquaculture and the Environment

Subject: ENVIRON
Catalog Number: 319A
Title: Aquaculture and the Environment

Description
The major environmental, social and economic drivers of increasing global aquaculture, with a focus on marine systems. Quantitative evaluation and comparison of the range of species for aquaculture, locations where operations occur, operational aspects including environmental impacts and management considerations. Investigation of alternative approaches and potential future areas for aquaculture expansion as well as social, economic and technical barriers to implementation. Taught in Beaufort at Duke Marine Lab.
ENVIRON320D - Planetary Health: Ecosystems, Human Health and Policy

Subject: ENVIRON
Catalog Number: 320D
Title: Planetary Health: Ecosystems, Human Health and Policy

Description
Planetary health focuses on human health impacts of anthropogenic disruptions of Earth’s natural systems. Examines interplay of human activity, environmental changes, human health impacts, and policy interventions. Topics include climate change, loss of biodiversity, urbanization, global pollution, and changing food systems. Uses a social justice perspective to understand which communities and populations are most vulnerable to disruptions of natural systems. Examines evidence on effective policy responses. Explores real world case studies and solutions.

ENVIRON321A - Coastal Watershed Management and Restoration

Subject: ENVIRON
Catalog Number: 321A
Title: Coastal Watershed Management and Restoration

Description
This course will examine management of coastal watersheds and their biological function, focusing on the positive (restoration) and negative (degradation, eutrophication) ways that humans alter ecosystems. Local field trips are an integral part of this class to examine anthropogenic modifications to coastal ecosystems (e.g. farms, wetland restoration) as well as discussing these issues with stakeholders at NGOs, businesses and government. Taught at the Duke Marine Lab in Beaufort.

ENVIRON322 - Hydrologic and Environmental Data Analysis

Subject: ENVIRON
Catalog Number: 322
Title: Hydrologic and Environmental Data Analysis

Description
Focus on development of quantitative approaches used to interpret observations on hydrological and environmental processes across space and time, with application to case studies in water science. In this course, we will (1) generate knowledge of fundamental processes in aquatic ecosystems as they relate to contemporary issues, (2) apply data science skills to datasets in the water resources field, and (3) quantitatively explore a topic in aquatic science through an in-depth course project. Recommended prerequisite: prior experience with computational software (R preferred; Stata, MATLAB, and/or GIS acceptable). Instructor consent required.

ENVIRON323 - Ecological Diversity and Climate Change

Subject: ENVIRON
Catalog Number: 323
Title: Ecological Diversity and Climate Change

Description
Evaluates the science of biodiversity and climate change, including changes happening now, in the past, and what we can expect in the future. Topics include forest diebacks, intensifying drought, increased wildfire, insect and pathogen outbreaks, and poleward migrations of land and marine populations. Analytical tools used to quantify change include elements of basic distribution theory, data manipulation in R, and examples of simulation methods. Course includes required travel. Prerequisites: calculus, statistics.
### ENVIRON332S - Environmental Justice: The Economics of Race, Place, and Pollution

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<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>ENVIRON</td>
<td>332S</td>
<td>Environmental Justice: The Economics of Race, Place, and Pollution</td>
</tr>
</tbody>
</table>

**Description**

Minorities, people of color, and low-income households bear a disproportionate burden from environmental pollution. Since the Clinton Administration, addressing environmental injustice has been among the policy objectives of the EPA. Course examines how environmental injustices may arise out of discriminatory behavior and/or market forces founded on individual, firm, and government incentives. We begin with the theoretical framework used to document and explain disproportionate exposures, then review existing empirical evidence through case studies and evaluate competing explanations for injustice using an economics framework. Prerequisite: Economics 201D and Economics 204D or 208D.

### ENVIRON335 - Drones in Marine Biology, Ecology, and Conservation

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<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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<tbody>
<tr>
<td>ENVIRON</td>
<td>335</td>
<td>Drones in Marine Biology, Ecology, and Conservation</td>
</tr>
</tbody>
</table>

**Description**

Includes a full overview of past and emerging applications for ecology and biology of marine species and coastal habitats, with in-depth discussion on future of drone applications in coastal biological and ecological research. Comprehensive exploration of current drone technologies, including detection of target species, payloads, aeronautical concepts, rules and regulations, mission planning, aircraft design, maintenance, data collection, management and analysis. Lab components tailored to student interests: active participation in megafaunal or environmental research and data analysis; building, operating and maintaining aircraft, programming for manual and autonomous flight.

### ENVIRON335A - Drones in Marine Biology, Ecology, and Conservation

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<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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<tbody>
<tr>
<td>ENVIRON</td>
<td>335A</td>
<td>Drones in Marine Biology, Ecology, and Conservation</td>
</tr>
</tbody>
</table>

**Description**

Lecture-based version of Environment 335LA. Includes a full overview of past and emerging applications for ecology and biology of marine species and coastal habitats, with in-depth discussion on future of drone applications in coastal biological and ecological research. Comprehensive exploration of current drone technologies, including detection of target species, payloads, aeronautical concepts, rules and regulations, mission planning, aircraft design, maintenance, data collection, management and analysis. Lab components tailored to student interests: active participation in megafaunal or environmental research and data analysis; building, operating and maintaining aircraft, programming for manual and autonomous flight. Taught in Beaufort at Duke Marine Lab.

### ENVIRON336 - Seabird Survival and Dispersal Analysis

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<th>Subject</th>
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<tbody>
<tr>
<td>ENVIRON</td>
<td>336</td>
<td>Seabird Survival and Dispersal Analysis</td>
</tr>
</tbody>
</table>

**Description**

Introduction to bird migration, navigation, seabirds as indicator species, natural history of sooty tern birds in the context of conservation. Introduction to field survey methods for seabirds, capture-recapture technique, population estimate and population evaluation, and habitat description for long-term monitoring, and its importance. Sampling activities include bird capture, banding, and morphometric measurements. Field course primarily at the Dry Tortugas National Park, FL where students can interact closely with park managers. Required field trip during Spring Break. Prerequisite: Environment 210D.
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<tr>
<th>Subject</th>
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<tbody>
<tr>
<td>ENVIRON338S - Introduction to Environmental Life Cycle Assessment: Applications to Food Systems</td>
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<tr>
<td>ENVIRON</td>
<td>338S</td>
<td>Introduction to Environmental Life Cycle Assessment: Applications to Food Systems</td>
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<tr>
<td>Description</td>
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<td>This DukeImmerse course introduces fundamental concepts and methods to conduct Environmental Life Cycle Assessments (LCA) to identify magnitude, type, and location of environmental impacts by food production from input for crops to the disposal of the final products. Discuss the Economic-Input Output LCA (EIO-LCA). Emphasis in understanding and estimation of the environmental impacts associated to the production, transportation, storage, and waste of food for human consumption, paying special attention to the water and energy use associated to these processes. Instructor consent required.</td>
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<p>| ENVIRON343S - Energy Futures and Environmental Justice |</p>
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<tr>
<th>Subject</th>
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<tr>
<td>ENVIRON</td>
<td>343S</td>
<td>Energy Futures and Environmental Justice</td>
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<tr>
<td>Description</td>
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<td>Advanced undergraduate seminar on comparative energy crises and natural resource management. Uses case studies of fossil fuel, nuclear, and renewable energy resources drawn from anthropology, natural sciences, and even business economic readings. Appropriate for students interested in interested in global politics, economic development, human rights, or environmental issues.</td>
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<p>| ENVIRON344S - Plant Diversity: A Field Approach |</p>
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<th>Catalog Number</th>
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<tbody>
<tr>
<td>ENVIRON</td>
<td>344S</td>
<td>Plant Diversity: A Field Approach</td>
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<tr>
<td>Description</td>
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<td>Field-based study of plant diversity. Collection, identification, and ecology of plant species in a specific forested location. Biodiversity informatics, plant evolution, and ecology.</td>
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<p>| ENVIRON348 - Global Environmental Politics |</p>
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<th>Subject</th>
<th>Catalog Number</th>
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<tbody>
<tr>
<td>ENVIRON</td>
<td>348</td>
<td>Global Environmental Politics</td>
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<tr>
<td>Description</td>
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<td>This course examines the international community's responses to various global environmental problems. Because many environmental problems cross national borders, solutions require some form of global governance such as state-led mechanisms in the form of international environmental regimes. The course will thus explore how and why states both succeed and fail to negotiate international governance mechanisms. The course will also examine why some international environmental regimes are more effective than others and why states choose to comply with environmental regimes.</td>
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### ENVIRON348D - Global Environmental Politics

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<th>Subject</th>
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<tbody>
<tr>
<td>ENVIRON</td>
<td>348D</td>
<td>Global Environmental</td>
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</table>

**Description**
This course examines the international community's responses to various global environmental problems. Because many environmental problems cross national borders, solutions require some form of global governance such as state-led mechanisms in the form of international environmental regimes. The course will thus explore how and why states both succeed and fail to negotiate international governance mechanisms. The course will also examine why some international environmental regimes are more effective than others and why states choose to comply with environmental regimes.

### ENVIRON350S - Marine Science and Conservation Leadership

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<th>Subject</th>
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<tbody>
<tr>
<td>ENVIRON</td>
<td>350S</td>
<td>Marine Science and Conservation Leadership</td>
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</tbody>
</table>

**Description**
Course will explore the complex interactions among science, policy and economics in the use of marine resources and the role individuals play in promoting marine conservation and environmental sustainability. Utilizing case studies ranging from fisheries to offshore energy, students will evaluate trade-offs systematically and learn to assess how different policy options affect the incentives of resource users. Serves as the capstone for the Marine Science and Conservation Leadership Certificate. Prerequisite: none.

### ENVIRON359 - Fundamentals of GIS and Geospatial Analysis

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<tr>
<td>ENVIRON</td>
<td>359</td>
<td>Fundamentals of GIS and Geospatial Analysis</td>
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</tbody>
</table>

**Description**
Fundamental aspects of geographic information systems and satellite remote sensing for environmental applications. Concepts of geographic data development, cartography, image processing, and spatial analysis. Consent of instructor is required.

### ENVIRON360 - Environmental Health: Pollutant Chemistry and Toxicology

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<th>Subject</th>
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<tbody>
<tr>
<td>ENVIRON</td>
<td>360</td>
<td>Environmental Health: Pollutant Chemistry and Toxicology</td>
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</tbody>
</table>

**Description**
The course provides an overview of chemical pollutants and their impacts on ecological and human health. The course provides an overview of chemical pollutants and their impacts on ecological and human health. Topics include: chemical pollutant classes, their sources and the chemical properties that impact their fate and transport in the environment. Molecular, cellular and organismal responses following exposure to pollutants, using cases studies. Pollutant impacts on human health will be discussed and cover areas such as cancer, cardiovascular health, fertility and brain development. Prerequisites: Biology 201L, 202L, or 203L and Chemistry 101DL. Recommended prerequisite: Chemistry 201DL.
### ENVRON360D - Environmental Health: Pollutant Chemistry and Toxicology

**Subject**
ENVIRON

**Catalog Number**
360D

**Title**
Environmental Health: Pollutant Chemistry and Toxicology

**Description**
The course provides an overview of chemical pollutants and their impacts on ecological and human health. The course provides an overview of chemical pollutants and their impacts on ecological and human health. Topics include: chemical pollutant classes, their sources and the chemical properties that impact their fate and transport in the environment. Molecular, cellular and organismal responses following exposure to pollutants, using cases studies. Pollutant impacts on human health will be discussed and cover areas such as cancer, cardiovascular health, fertility and brain development. Prerequisites: Biology 201L, 202L, or 203L and Chemistry 101DL. Recommended prerequisite: Chemistry 201DL.

### ENVRON361LS - Field Ecology

**Subject**
ENVIRON

**Catalog Number**
361LS

**Title**
Field Ecology

**Description**
Explore the natural systems of North Carolina through hands-on experimentation. Through student-guided inquiry and field experimentation students will gain experience in formulating hypotheses, designing field observations and experiments, analyzing field data and interpreting results from the fields of ecosystem, community, population, and physiological ecology. In addition to weekly field labs, the course will include a weekend field trip. Recommended prerequisite: Biology 20 or 21 or one course in ecology or consent of instructor; Mathematics 111L.

### ENVRON362S - Changing Oceans

**Subject**
ENVIRON

**Catalog Number**
362S

**Title**
Changing Oceans

**Description**
Our oceans are under severe stress. This seminar will explore human disturbances of marine environments, including ocean warming, sea level rise, melting of ice caps and sea ice, ocean acidification, coastal eutrophication, changes in primary production and food web dynamics, invasive species, overfishing, increased subsurface hypoxia, changes in circulation, stratification, and physical, chemical (e.g. oil spills) and noise pollution.

### ENVRON363 - Environmental Economics and Policy

**Subject**
ENVIRON

**Catalog Number**
363

**Title**
Environmental Economics and Policy

**Description**
The role of the environment in the theory and practice of economics. Topics include ways in which markets fail to efficiently allocate resources in the presence of pollution, along with the array of policies regulators used to correct those failures; the empirical techniques used by economists to put values on environmental commodities; and an examination of questions related to everyday environmental issues, particularly those confronting the developing world. Prerequisites: Economics 201D and one Statistics course; Economics 204D or 208D recommended.
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<tbody>
<tr>
<td>ENVIRON</td>
<td>365-20</td>
<td>ENVIROM365-20 - Engineering Sustainable Design and the Global Community: Structural Focus</td>
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<td>Description</td>
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<td></td>
<td>Design and testing of solutions to complex interdisciplinary design products in a service-learning context with a focus on structural products. Technical design principles; sustainable and engineering best practices; prototype formation, testing and evaluation; and establishment of research and analysis methodologies in a community-based research experience. Working in partnership with a community agency (local, national, or international) and participation in an experimental learning process by engineering a design solution for an identified community need. Evaluation focused on design deliverables, fabricated prototypes and a critical reflection of the experimental learning process.</td>
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<tbody>
<tr>
<td>ENVIRON</td>
<td>365-60</td>
<td>ENVIROM365-60 - Engineering Sustainable Design and the Global Community: Environmental Focus</td>
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<td>Description</td>
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<tr>
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<td></td>
<td>Design and testing of solutions to complex interdisciplinary design products in a service-learning context with a focus on structural products. Technical design principles; sustainable and engineering best practices; prototype formation, testing and evaluation; and establishment of research and analysis methodologies in a community-based research experience. Working in partnership with a community agency (local, national, or international) and participation in an experimental learning process by engineering a design solution for an identified community need. Evaluation focused on design deliverables, fabricated prototypes and a critical reflection of the experimental learning process. Prerequisite: Engineering 201L or Electrical and Computer Engineering 110L or consent of instructor.</td>
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<tr>
<td>ENVIRON</td>
<td>365D</td>
<td>ENVIROM365D - The Modern Regulatory State</td>
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<td>Description</td>
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<td>Interdisciplinary inquiry into the origins/evolution of modern regulatory institutions in Western Europe and North America, along with the more recent rise of global regulatory bodies. Examines conceptual frameworks from across the social sciences, and considers the ethical dimensions of current debates over regulatory purposes, strategies, and policies in areas such as finance and the environment.</td>
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<tr>
<td>ENVIRON</td>
<td>366</td>
<td>ENVIROM366 - Green Germany: World Leader in Environmental Policy</td>
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<td></td>
<td>Description</td>
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<td></td>
<td>Exploration of Germany’s leading global role in developing and implementing ‘green’ technologies and environmental policies. Analyzes Germany’s current and past policies on energy, agriculture, and pollution control. Examines policies in context by studying German ideas about nature, history of German environmentalism, and by looking at Green Germany in European and global perspective. Discusses extent ethics can or ought to influence debates about global climate change and its ramifications. Readings include scholarly studies, exemplary policies, and groundbreaking ecological texts.</td>
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<td>Subject</td>
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<tr>
<td>ENVIRON</td>
<td>367SA</td>
<td>The Economics of the Energiewende in Germany</td>
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</tbody>
</table>

**Description**
Comprehensive overview of the Energiewende - Germany's effort to reshape its energy system, the industry, and building sectors into a nuclear-free, low-carbon economy. Application of a range of analytical methods - including economic assessment tools, legal analyses and political science - to shed light on different facets of the Energiewende, and to help understand the public and academic debates around it. The course thus offers different angles - looking at the economics of the Energiewende, as well as the technological, social, ethical, legal and political implications. Offered through the Duke-in-Berlin Program.

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<tr>
<td>ENVIRON</td>
<td>368</td>
<td>Introduction to Weather and Climate</td>
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</tbody>
</table>

**Description**
Introduction to weather and climate. Topics include atmospheric structure, composition, circulation and energy properties; severe weather events such as cyclones, hurricanes, and tornadoes; ozone depletion; natural climate variability; climate change and global warming.

<table>
<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENVIRON</td>
<td>369LA</td>
<td>Biological Oceanography</td>
</tr>
</tbody>
</table>

**Description**
Discusses patterns of abundance, diversity and activity of organisms in major ocean ecosystems. Identifies major physical, chemical and ecological processes that affect these patterns, and analyzes impact of biology on ecosystems. Uses a 'flipped' classroom for enhanced development of quantitative skills to measure these patterns, emphasizing hands-on data collection and analyses, multiple field trips aboard DUML research vessels, and participatory activities to demonstrate core concepts in biological oceanography. Taught at Duke Marine Lab. Spring section requires travel. Recommended intro bio or AP Bio credit. Instructor consent required, visit DUML website for details.

<table>
<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENVIRON</td>
<td>370A</td>
<td>Physical Oceanography</td>
</tr>
</tbody>
</table>

**Description**
Fundamental physical principles of ocean circulation. Physical properties of seawater; forces acting on the ocean such as heat, pressure gradients, wind stress, rotation, and friction; and conservation equations for heat, mass and momentum. Applications include geostrophic balances, thermal wind, coastally trapped waves, El Nino/ENSO, and tidal circulation. Taught in Beaufort at Duke Marine Lab. Prerequisite: one year of calculus and one semester of physics, or permission of instructor.
**ENVIRON373LA - Sensory Physiology and Behavior of Marine Animals**

**Subject**
ENVIRON

**Catalog Number**
373LA

**Title**
Sensory Physiology and Behavior of Marine Animals

**Description**
Sensory physiological principles with emphasis on visual and chemical cues. Laboratories will use behavior to measure physiological processes. Taught in Beaufort at Duke Marine Lab. Prerequisite: AP Biology or introductory biology or consent of instructor and Chemistry 101DL.

---

**ENVIRON375A - Biology and Conservation of Sea Turtles**

**Subject**
ENVIRON

**Catalog Number**
375A

**Title**
Biology and Conservation of Sea Turtles

**Description**
Essential biology of sea turtles (evolution, anatomy, physiology, behavior, life history, population dynamics) and their conservation needs; emphasis on their role in marine ecosystem structure and function. Basic ecological concepts integrated with related topics including the conservation and management of endangered species, the contributions of technology to the management of migratory marine species, the role of research in national and international law and policy, and the veterinary aspects of conservation. Taught in Beaufort at Duke Marine Lab. Prerequisite: introductory biology.

---

**ENVIRON375L - Biology and Conservation of Sea Turtles**

**Subject**
ENVIRON

**Catalog Number**
375L

**Title**
Biology and Conservation of Sea Turtles

**Description**
Includes laboratory and field experience with animals and with their habitat requirements. Recommended prerequisite: introductory biology.

---

**ENVIRON375LA - Biology and Conservation of Sea Turtles**

**Subject**
ENVIRON

**Catalog Number**
375LA

**Title**
Biology and Conservation of Sea Turtles

**Description**
Laboratory version of Biology 375A. Includes laboratory and field experience with animals and with their habitat requirements. Taught in Beaufort at Duke Marine Lab. Prerequisite: introductory biology.

---

**ENVIRON376A - Marine Mammals**

**Subject**
ENVIRON

**Catalog Number**
376A

**Title**
Marine Mammals

**Description**
The biology of cetaceans, pinnipeds, sirenians, and sea otters. Topics covered include the diversity, evolution, ecology, and behavior of marine mammals and their interactions with humans. Detailed consideration given to the adaptations that allow these mammals to live in the sea. Evaluation of the scientific, ethical, and aesthetic factors influencing societal attitudes toward these animals and of their conservation management in light of domestic legislation and international treaties. Taught in Beaufort at Duke Marine Lab. Prerequisite: introductory biology.

---

**ENVIRON376L - Marine Mammals**

**Subject**
ENVIRON

**Catalog Number**
376L

**Title**
Marine Mammals

**Description**
Laboratory and field exercises consider social organization, behavior, ecology, communication, and anatomy of local bottlenose dolphins. Recommended prerequisite: introductory biology.
**ENVIRON376LA - Marine Mammals**

**Subject**  
ENVIROM

**Catalog Number**  
376LA

**Title**  
Marine Mammals

**Description**  
Laboratory version of Biology 376A. Laboratory and field exercises consider social organization, behavior, ecology, communication, and anatomy of local bottlenose dolphins. Taught in Beaufort at Duke Marine Lab. Prerequisite: introductory biology.

---

**ENVIRON377L - Biodiversity of Marine Invertebrates**

**Subject**  
ENVIROM

**Catalog Number**  
377L

**Title**  
Biodiversity of Marine Invertebrates

**Description**  
An introduction to the biodiversity represented by major marine invertebrate groups, with emphasis on the diversity of body forms and behaviors and on anatomical structures and functions. Field trips primarily by boat allow students to explore invertebrates characteristic of a variety of coastal habitats in North Carolina, including mud flats, sandy beaches, salt marshes, oyster reefs, piers and docks, and the water column. Live invertebrates maintained in the laboratory serve as models for detailed study of form and function. Taught in Beaufort at Duke Marine Lab.

---

**ENVIRON377LA - Biodiversity of Marine Invertebrates**

**Subject**  
ENVIROM

**Catalog Number**  
377LA

**Title**  
Biodiversity of Marine Invertebrates

**Description**  
An introduction to the biodiversity represented by major marine invertebrate groups, with emphasis on the diversity of body forms and behaviors and on anatomical structures and functions. Field trips primarily by boat allow students to explore invertebrates characteristic of a variety of coastal habitats in North Carolina, including mud flats, sandy beaches, salt marshes, oyster reefs, piers and docks, and the water column. Live invertebrates maintained in the laboratory serve as models for detailed study of form and function. Taught in Beaufort at Duke Marine Lab.

---

**ENVIRON380 - The Calculus of Sustainability - Lessons from Complex Societies**

**Subject**  
ENVIROM

**Catalog Number**  
380

**Title**  
The Calculus of Sustainability - Lessons from Complex Societies

**Description**  
Sustainability research asks to what extent our planet, with a finite environmental resource base, can accommodate the faster than exponentially growing human population. The concept of carrying capacity contains many resource limitations originating from available water, energy, and ecosystem services. The course covers the calculus behind these limitations beginning from models of population growth, proceeding to the ‘Doomsday Equation’ and human-biosphere interactions. Dynamical systems will be used to enlighten linkages between humans and the Earth’s carrying capacity, renewable versus non-renewable resources, peak-oil, peak-water, and peak-grain. Prerequisite: (Mathematics 105L and 106L) or Mathematics 111L.
<table>
<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENVIRON</td>
<td>385S</td>
<td>The Environment in Literature, Law, and Science</td>
<td>This class explores changing concepts of 'environment' and 'nature' in lit, law &amp; policy, &amp; science. Using the Duke Campus Farm, the campus, &amp; surrounding areas, we trace those changes across historical periods and cultures, culminating in a consideration of the dismantling of Black Durham (red lining, 147) &amp; the emergence of the Environmental Justice Movement (in Warren County, NC). We explore how those concepts are constructed through science, law &amp; policy, &amp; cultural forms, how those concepts shape our lived experience, &amp; how an understanding of that process might lead to more productive debates in science, law &amp; policy, &amp; ethics, &amp; to constructive social and environmental change.</td>
</tr>
<tr>
<td>ENVIRON</td>
<td>390</td>
<td>Special Topics in Environmental Sciences and Policy</td>
<td>Content to be determined each semester.</td>
</tr>
<tr>
<td>ENVIRON</td>
<td>390-1</td>
<td>Special Topics in Environmental Sciences and Policy</td>
<td>Content to be determined each semester. Consent of instructor required.</td>
</tr>
<tr>
<td>ENVIRON</td>
<td>390A</td>
<td>Duke-Administered Study Abroad: Advanced Special Topics in Environmental Sciences and Policy</td>
<td>Topics differ by section.</td>
</tr>
<tr>
<td>ENVIRON</td>
<td>390D</td>
<td>Special Topics in Environmental Sciences and Policy</td>
<td>Content to be determined each semester.</td>
</tr>
<tr>
<td>ENVIRON</td>
<td>390LA</td>
<td>Duke-Administered Study Away: Special Topics</td>
<td>Content to be determined each session.</td>
</tr>
</tbody>
</table>
### ENVIROM390S - Special Topics in Environmental Sciences and Policy

<table>
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<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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<tbody>
<tr>
<td>ENVIROM</td>
<td>390S</td>
<td>Special Topics in Environmental Sciences and Policy</td>
</tr>
</tbody>
</table>

**Description**
Same as Environment 390, taught as seminar.

### ENVIROM390S-1 - Special Topics in Environmental Sciences and Policy

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<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>ENVIROM</td>
<td>390S-1</td>
<td>Special Topics in Environmental Sciences and Policy</td>
</tr>
</tbody>
</table>

**Description**
Content to be determined each semester.

### ENVIROM390SA - Special Topics in Environmental Sciences and Policy

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<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>ENVIROM</td>
<td>390SA</td>
<td>Special Topics in Environmental Sciences and Policy</td>
</tr>
</tbody>
</table>

**Description**

### ENVIROM391 - Independent Study

<table>
<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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<tbody>
<tr>
<td>ENVIROM</td>
<td>391</td>
<td>Independent Study</td>
</tr>
</tbody>
</table>

**Description**
Individual readings course or other non-research-based independent course under the supervision of a faculty member, resulting in an academic product. Open to qualified students with consent of instructor and director of undergraduate studies.

### ENVIROM391-1 - Independent Study

<table>
<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>ENVIROM</td>
<td>391-1</td>
<td>Independent Study</td>
</tr>
</tbody>
</table>

**Description**
See Environment 391. Open to qualified students with consent of instructor. Half credit.

### ENVIROM391A - Independent Study

<table>
<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>ENVIROM</td>
<td>391A</td>
<td>Independent Study</td>
</tr>
</tbody>
</table>

**Description**

### ENVIROM393 - Research Independent Study

<table>
<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>ENVIROM</td>
<td>393</td>
<td>Research Independent Study</td>
</tr>
</tbody>
</table>

**Description**
Individual research in a field of special interest, under the supervision of a faculty member, the central goal of which is a substantive paper or written report containing significant analysis and interpretation of a previously approved topic. Open to qualified students with consent of instructor and director of undergraduate studies.

### ENVIROM393-1 - Research Independent Study

<table>
<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>ENVIROM</td>
<td>393-1</td>
<td>Research Independent Study</td>
</tr>
</tbody>
</table>

**Description**
See Environment 393. Open to qualified students with consent of instructor and director of undergraduate studies.
<table>
<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>ENVIRON</td>
<td>394</td>
<td>Research Independent Study</td>
<td>See Environ 393. Open to qualified students by consent of director of undergraduate studies and supervising instructor.</td>
</tr>
<tr>
<td>ENVIRON</td>
<td>445A</td>
<td>Climate Change in the Marine Environment</td>
<td>Exploration of climate change science focusing on marine ecosystems and inhabitants - specifically ocean acidification, warming and sea level rise. Factors causing climate change, and how those vary spatially, focusing on sensitive polar ecosystems and marine mammal populations. Critical examination of climate change modeling using EdGCM (research-grade Global Climate Model), focusing on how scientists use models, observations/theory to predict climate, and assumptions/uncertainty implicit in modeling. Discussion of potential human impacts including consequences of sea level rise and potential increases in disease due to climate change. Taught in Beaufort at Duke Marine Lab.</td>
</tr>
<tr>
<td>ENVIRON</td>
<td>454</td>
<td>Rainforest Engineering</td>
<td>An open-format project-based class for student team design with a focus on rainforests and related environments. Engages students in cross-disciplinary team challenges that teach them to work together with other students of differing backgrounds and skills. Design challenges are similar to the XPRIZE contests, or the NAE Grand Challenges. Prerequisite: Electrical and Computer Engineering 230L or 250D or 270DL or 280L or Mechanical Engineering 221L or Engineering 244L or Environment 102.</td>
</tr>
<tr>
<td>ENVIRON</td>
<td>461</td>
<td>Ocean Engineering</td>
<td>A challenging Ocean Engineering project will be undertaken in this class. Past examples include participation in a national XPRIZE contest to build an Ocean Sensor. Students define project scope and form task-oriented sub-teams to make significant progress toward overall class project goal. Students are expected to spend several hours per week outside of class working on the team projects. Students will need to be in teams that can all meet for at least couple of hours at the same time each week. Prerequisite: one of ECE 230L, ECE 250D, ECE 270DL, ECE 280L, Mechanical Engineering 221L, Engineering 244L, or Environment 102.</td>
</tr>
</tbody>
</table>
### ENVIRON464 - Mathematics of Dynamical Systems Describing Complex Environmental Phenomena: A Modern Crystal Ball?

**Description**

Environmental problems require construction of and solutions to systems of equations for relations between rates and states of variables. Covers construction and use of differential equations and corollary analytical tools. Differential equations used to explain concepts as stability, resilience, and equilibria (e.g. climate, ecosystems, conservation efforts). Computer-aided software (MATHEMATICA and Matlab) used to solve analytically and numerically such equations. Case studies illustrate the mathematical tools derived in dynamical systems (e.g. bifurcations and catastrophe theory, boom-bust, crashes).

**Prerequisite:** Mathematics 111L or equivalent and Physics 141L or equivalent.

### ENVIRON470S - Capstone: Research in Human Rights

**Description**

A primary learning objective is to have students connect the intellectual themes and scholarly knowledge they have developed in the Gateway, Introduction to Human Rights, and the electives they have taken toward the Human Rights Certificate. The course integrates co-curricular rights-related experiences (through DukeEngage, DukeImmerse, internships and volunteer placements). The capstone culminates in a final project. Students may work in teams toward a final project so long as each student’s work is evaluated separately and at a high standard.

**Prerequisite:** Cultural Anthropology 104D. Consent of director of undergraduate studies required.

### ENVIRON476A - Data and Time Series Analysis in Marine Sciences

**Description**

This course is designed for students in marine and environmental science disciplines to learn data analysis skills, including analysis techniques and their implementation using MATLAB or R. Topics include: discrete sampling issues, data outlier and rejection tests, interpolation and gridding, error and propagation of uncertainty, coordinate rotations and principal axes, curve fits, regression, bootstrapping, filtering, spectral and harmonic analysis, spatial analyses. Other topics may be included or substituted depending on student interests. The course is structured as mix of weekly lectures and linked workshops applying methods to marine and environmental data sets. Taught in Beaufort at Duke Marine Lab. Instructor consent is required.

### ENVIRON495 - Senior Capstone Course

**Description**

Interdisciplinary and in-depth study of contemporary environmental issues. Content to be determined each semester. Prerequisite: Environment 201. Consent of instructor required.
<table>
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<tr>
<th>Subject</th>
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</thead>
<tbody>
<tr>
<td>ENVIRON</td>
<td>496</td>
<td>Advanced Research in Environmental Sciences and Policy</td>
<td>Advanced research in Environmental Sciences and Policy leading to Graduation with Distinction. Weekly one-hour seminars to guide student's independent research towards thesis. Topics include background context through efficient library searches of literature, hypothesis testing, research design, data analysis, and proposal writing. Students write a proposal including a comprehensive literature review, methods description, and preliminary results demonstrating methods' feasibility. Student peer-review used to explore various topics. Students are expected to work with a faculty mentor conducting original research in a research independent study.</td>
</tr>
<tr>
<td>ENVIRON</td>
<td>497</td>
<td>Communicating Research in Environmental Sciences and Policy</td>
<td>Weekly one-hour workshop intended for students writing a senior thesis in Earth and Ocean Sciences, Environmental Sciences, or Environmental Sciences and Policy. Topics include writings styles of environmental sciences in natural and social sciences, presentation of data analysis and findings, written and visual communication of research findings. Using peer-review of participants writing, each student will communicate their knowledge and perspective to other, develop a depth of knowledge in their particular area while gaining knowledge in various environmental topics. Assessments will be based on peer evaluation of iterations of sections of thesis drafts and poster drafts. Instructor consent required.</td>
</tr>
<tr>
<td>ENVIRON</td>
<td>498S</td>
<td>Building a Sustainable Tomorrow</td>
<td>Capstone for Certificate in Sustainability Engagement open to senior undergraduates who have completed all other Certificate requirements. Interdisciplinary insights to shed light on major contemporary debates in sustainability and world's most pressing problems. Synthesis and integration of ideas, concepts, and themes from their academic coursework and experiential activities with each dimension of sustainability, enhancing their systems analysis of chosen theme. Classes include discussion, readings, and guest speakers on topics in sustainability. May include fieldwork and other learning experiences relevant to sustainability. Held in Spring semesters. Open only to Sustainability Engagement certificate students. Prerequisite: Sustainability Engagement 245/Environment 245.</td>
</tr>
<tr>
<td>ENVIRON</td>
<td>498SD</td>
<td>Building a Sustainable Tomorrow</td>
<td>Capstone for Certificate in Sustainability Engagement open to senior undergraduates who have completed all other Certificate requirements. Interdisciplinary insights to shed light on major contemporary debates in sustainability and world's most pressing problems. Synthesis and integration of ideas, concepts, and themes from their academic coursework and experiential activities with each dimension of sustainability, enhancing their systems analysis of chosen theme. Classes include discussion, readings, and guest speakers on topics in sustainability. May include fieldwork and other learning experiences relevant to sustainability. Held in Spring semesters. Open only to Sustainability Engagement certificate students. Prerequisite: Sustainability Engagement 245/Environment 245.</td>
</tr>
<tr>
<td>ENVIRON</td>
<td>89S</td>
<td>First-Year Seminar</td>
<td>Topics vary each semester offered.</td>
</tr>
<tr>
<td>ENVIRON</td>
<td>89SD</td>
<td>First-Year Seminar</td>
<td>Topics vary each semester offered.</td>
</tr>
<tr>
<td>Subject</td>
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<tr>
<td>EOS</td>
<td>101</td>
<td>The Dynamic Earth</td>
<td></td>
</tr>
<tr>
<td>Description</td>
<td></td>
<td>Introduction to the dynamic processes that shape the Earth and the environment and their impact upon society. Volcanoes, earthquakes, seafloor spreading, floods, landslides, groundwater, seashores and geohazards. Emphasis on examining the lines of inductive and deductive reasoning, quantitative methods, modes of inquiry, and technological developments that lead to understanding the Earth's dynamic systems.</td>
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<th>Title</th>
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<tbody>
<tr>
<td>EOS</td>
<td>101D</td>
<td>The Dynamic Earth</td>
</tr>
<tr>
<td>Description</td>
<td></td>
<td>Introduction to the dynamic processes that shape the Earth and the environment and their impact upon society. Volcanoes, earthquakes, seafloor spreading, floods, landslides, groundwater, seashores and geohazards. Emphasis on examining the lines of inductive and deductive reasoning, quantitative methods, modes of inquiry, and technological developments that lead to understanding the Earth's dynamic systems.</td>
</tr>
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<tbody>
<tr>
<td>EOS</td>
<td>102</td>
<td>The Dynamic Oceans</td>
</tr>
<tr>
<td>Description</td>
<td></td>
<td>The oceans and their impact on the Earth's surface, climate, and society. Topics include seafloor evolution, marine hazards, ocean currents and climate, waves and beach erosion, tides, hurricanes/cyclones, marine life and ecosystems, and marine resources. Emphasis on the historical, society and economic roots of oceanography, the formulation and testing of hypotheses, quantitative assessment of data, and technological developments that lead to understanding of current and future societal issues involving the oceans.</td>
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<th>Title</th>
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</thead>
<tbody>
<tr>
<td>EOS</td>
<td>103</td>
<td>Climate Change for Future Leaders</td>
</tr>
<tr>
<td>Description</td>
<td></td>
<td>The science of climate change, including the factors that control the Earth's climate system, the methods used to study climate variations, the nature of climate models and prediction scenarios, the changes of the Earth's climate through time, and the evidence that modern-day climate change is human-induced. Related topics include examination of the impacts of climate change on past and present societies, biodiversity, and human health, as well as potential alternative energy and engineering solutions, and the social, political, religious and economic challenges associated with responding and adapting to climate change.</td>
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<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>EOS</td>
<td>201L</td>
<td>The Solid Earth: Minerals, Rocks, and Structural Geology</td>
</tr>
<tr>
<td>Description</td>
<td></td>
<td>Description and interpretation of minerals, rocks and geologic structures. Lectures on theoretical aspects, lab on practical applications and use of petrographic microscope. Instructor consent required. Prerequisite: Earth and Ocean Sciences 101.</td>
</tr>
</tbody>
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<tr>
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<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>EOS</td>
<td>202</td>
<td>Atmosphere and Ocean Dynamics</td>
</tr>
<tr>
<td>Description</td>
<td></td>
<td>Introduction to the dynamics of ocean and atmospheric circulations, and their role in the global climate system. Prerequisite: Mathematics 21 and 122, Physics 141L or consent of instructor.</td>
</tr>
</tbody>
</table>
**EOS203 - The Surface of the Earth**

Subject: EOS  
Catalog Number: 203  
Title: The Surface of the Earth  
Description: Fundamental earth surface processes involving weathering, soils, hillslopes, rivers, wind, glaciers, and tectonic activity. Humans as agents of landscape change. The future of landscape. Prerequisite: Earth and Ocean Sciences 101 or 102. Instructor consent required.

**EOS204 - Evolving Earth and Life: Past and Future Challenges**

Subject: EOS  
Catalog Number: 204  
Title: Evolving Earth and Life: Past and Future Challenges  
Description: This course focuses on fifteen prehistoric events that changed life and the planet forever. These events are relevant to modern-day challenges and provide insights into how humanity might manage and solve current and inevitable future earth crises. Following the adage that humans are destined to repeat a history they do not know, students learn that a study of the deep past is no mere intellectual exercise, but a unique and relevant source of information and solutions, necessary for the short- and long-term survival of the human species. Taught online.

**EOS204L - Evolving Earth and Life**

Subject: EOS  
Catalog Number: 204L  
Title: Evolving Earth and Life  
Description: Evolution of the earth and life through time, focusing on earth events that fundamentally changed life and the planet. Understanding the evolution of the earth and life is relevant to modern-day challenges, and provide insights into how humanity might manage and solve current and inevitable future earth crises. Weekend field trip to Appalachian Mountains. Recommended prerequisite: Earth and Climate Sciences 101.

**EOS210S - Exploring Earth Sciences: Field and Laboratory Investigations**

Subject: EOS  
Catalog Number: 210S  
Title: Exploring Earth Sciences: Field and Laboratory Investigations  
Description: Exploration of key concepts in Earth sciences using field and laboratory techniques. Focus on collecting, analyzing and interpreting observational, geophysical, and geochemical data in order to experience how scientists conduct research to answer fundamental questions about how the Earth works. Modules vary by semester and may include local and global studies of plate tectonics, geological history, groundwater and surface water, geohazards, geophysical imaging of the sub-surface, geochemical chemical analyses, remote sensing studies, and how humans impact these systems. Local fieldwork and optional weekend fieldtrip to Appalachians or NC coast. Pre- or co-requisite: ECS/EOS 101.
<table>
<thead>
<tr>
<th>Course</th>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>EOS212S</td>
<td>EOS</td>
<td>212S</td>
<td>Exploring Climate Sciences: Data-driven investigations</td>
<td>Exploration of key concepts in climate sciences using field, computational and laboratory techniques. Focus on collecting, analyzing and interpreting climate data and observations, in order to experience how scientists conduct research to answer fundamental questions about how the climate system works. Modules vary by semester, including local and global examinations of short-term and long-term climate variability and human impacts on the climate system. Field trip to a local weather station, e.g. Duke Forest or NC ECONet, to learn how meteorological data are collected. Recommended pre/corequisite: ECS/EOS 103.</td>
</tr>
<tr>
<td>EOS220</td>
<td>EOS</td>
<td>220</td>
<td>Water Sciences: Principles and Challenges</td>
<td>Fundamental principles and challenges in water sciences on local, regional and global scales. Topics include the global hydrological cycle, impact of climate change on water availability, principles of surface water and groundwater flow, fundamentals of water quality, the energy-water nexus, and scientific and technological approaches used to trace pollutants and remediate contamination. Relationships between human activities (anthropogenic effects) and naturally occurring processes that affect local and global water availability and quality. Emphasis on cutting edge water research and human and environmental impacts. Recommended prerequisite: Earth and Ocean Sciences 101, Environment 102, or equivalents, and introductory chemistry.</td>
</tr>
<tr>
<td>EOS226DS</td>
<td>EOS</td>
<td>226DS</td>
<td>Field Methods in Earth and Environmental Sciences</td>
<td>Introduction to basic field methods used in the earth and environmental sciences. Field investigations focus on topics such as groundwater and surface water movements, soil chemistry and identification, topographic and geologic mapping, the atmosphere/soil interface, and plant identification and distributions. Design of a field investigation, collection of data to address a specific goal, and interpretation and reporting of the results. Emphasis on learning to report field results in the format of scientific publications. Visits to five local field sites. Open only to juniors and seniors.</td>
</tr>
<tr>
<td>EOS226S</td>
<td>EOS</td>
<td>226S</td>
<td>Field Methods in Earth and Environmental Sciences</td>
<td>Introduction to basic field methods used in the earth and environmental sciences. Field investigations focus on topics such as groundwater and surface water movements, soil chemistry and identification, topographic and geologic mapping, the atmosphere/soil interface, and plant identification and distributions. Design of a field investigation, collection of data to address a specific goal, and interpretation and reporting of the results. Emphasis on learning to report field results in the format of scientific publications. Visits to five local field sites. Open only to juniors and seniors.</td>
</tr>
</tbody>
</table>
**EOS231 - Energy and the Environment**

Subject: EOS  
Catalog Number: 231  
Title: Energy and the Environment

Description:
Overview of the challenges confronting humanity as a consequence of our reliance on energy. Challenges include dwindling supplies, rising demand and environmental degradation. Realistic responses require an understanding of the complexity of the energy system, including energy resources, uses, and impacts, in the context of social, political and economic imperatives. Lectures will be augmented by presentations from guest speakers from industry, government and non-profit organizations.

**EOS239 - Introduction to Atmospheric Chemistry: From Air Pollution to Climate Change**

Subject: EOS  
Catalog Number: 239  
Title: Introduction to Atmospheric Chemistry: From Air Pollution to Climate Change

Description:
Integrated scientific background for the impact of humans on the natural environment. Topics covered include greenhouse gases and climate, local and regional ozone pollution, long-range pollution transport, acid rain, atmospheric particulate matter pollution, and stratospheric ozone depletion. Prerequisite: Chemistry 101DL.

**EOS272A - Analysis of Ocean Ecosystems**

Subject: EOS  
Catalog Number: 272A  
Title: Analysis of Ocean Ecosystems

Description:
The history, utility, and heuristic value of the ecosystem; ocean systems in the context of Odum’s ecosystem concept; structure and function of the earth’s major ecosystems. Taught in Beaufort at Duke Marine Lab. Prerequisite: one year of biology, one year of chemistry, or consent of instructor.

**EOS273LA - Biological Oceanography**

Subject: EOS  
Catalog Number: 273LA  
Title: Biological Oceanography

Description:
Discusses patterns of abundance, diversity and activity of organisms in major ocean ecosystems. Identifies major physical, chemical and ecological processes that affect these patterns, and analyzes impact of biology on ecosystems. Uses a ‘flipped’ classroom for enhanced development of quantitative skills to measure these patterns, emphasizing hands-on data collection and analyses, multiple field trips aboard DUML research vessels, and participatory activities to demonstrate core concepts in biological oceanography. Taught at Duke Marine Lab. Spring section requires travel. Recommended intro bio or AP Bio credit. Instructor consent required, visit DUML website for details.
EOS280LA - Sound in the Sea: Introduction to Marine Bioacoustics

**Subject**
EOS

**Catalog Number**
280LA

**Title**
Sound in the Sea: Introduction to Marine Bioacoustics

**Description**
Fundamentals of marine bioacoustics with a focus on current literature and conservation issues. Topics include: introduction to acoustics; acoustic analysis methods and quantitative tools; production and recording of sound; ocean noise; propagation theory, active and passive acoustics; hearing, sound production and communication in marine organisms, potential impacts of anthropogenic noise; and regulation of marine sound. Labs will focus on methodologies used for generating, recording and analyzing marine sounds. Taught in Beaufort at Duke Marine Lab. Prerequisite: AP Biology, introductory biology, or consent of instructor; Physics 141L or 164L (or equivalent Physics courses) or consent of instructor.

EOS287A - Biodiversity of Alaska

**Subject**
EOS

**Catalog Number**
287A

**Title**
Biodiversity of Alaska

**Description**
Ecology/biodiversity and conservation in Alaska: identification and natural history of native plants and animals including both terrestrial and marine species, biogeographic history and patterns, native American cultures, conservation issues surrounding Alaskan natural resources. Regional, national, and geopolitical issues surrounding development and conservation in Alaska and elsewhere in the arctic. Lectures and discussions complemented by field trips to examine terrestrial, aquatic, and marine ecosystems across the three major Alaskan biomes: coastal rainforest, boreal coniferous forest, arctic/alpine. Taught in Alaska.

EOS288A - Biogeography in an Australian Context

**Subject**
EOS

**Catalog Number**
288A

**Title**
Biogeography in an Australian Context

**Description**
Distribution of plants and animals in space and time as determined by the interaction of geophysics, geology, climate, and evolutionary history. Special emphasis on the unique terrestrial and marine faunas and floras of the Australian continent and on the impact of humans on the distribution of these plants and animals. Taught in Australia.

EOS290A - Duke-Administered Study Abroad: Advanced Special Topics in Earth and Ocean Sciences

**Subject**
EOS

**Catalog Number**
290A

**Title**
Duke-Administered Study Abroad: Advanced Special Topics in Earth and Ocean Sciences

**Description**
Topics differ by section.

EOS315 - Waves, Beaches, and Coastline Dynamics

**Subject**
EOS

**Catalog Number**
315

**Title**
Waves, Beaches, and Coastline Dynamics

**Description**
Oceanographic and geologic processes responsible for the evolution of nearshore features; fluid motions of many time scales in the nearshore environment, including waves and currents. Conceptual basis for models of how fluid motions interact with the shape of the beach and bed in the surf zone, giving rise to features such as beach cusps, bars, channels, and barrier islands. Various attempted engineering and coastal management solutions to the global retreat of shorelines.

EOS316A - Beach and Island Geological Processes

**Subject**
EOS

**Catalog Number**
316A

**Title**
Beach and Island Geological Processes

**Description**
Field seminar on the evolution of beaches and barrier islands with emphasis on the interactions between nearshore processes and human development. Prerequisite: Earth and Climate Sciences 315/515 or consent of instructor. Also taught as Earth and Climate Sciences T16A.
**EOS322 - Hydrologic and Environmental Data Analysis**

**Subject**
EOS

**Catalog Number**
322

**Title**
Hydrologic and Environmental Data Analysis

**Description**
Focus on development of quantitative approaches used to interpret observations on hydrological and environmental processes across space and time, with application to case studies in water science. In this course, we will (1) generate knowledge of fundamental processes in aquatic ecosystems as they relate to contemporary issues, (2) apply data science skills to datasets in the water resources field, and (3) quantitatively explore a topic in aquatic science through an in-depth course project. Recommended prerequisite: prior experience with computational software (R preferred; Stata, MATLAB, and/or GIS acceptable). Instructor consent required.

**EOS323 - Landscape Hydrology**

**Subject**
EOS

**Catalog Number**
323

**Title**
Landscape Hydrology

**Description**
Introduction to hydrology examining how rainfall and snowmelt become streamflow, groundwater and atmospheric water, with emphasis on hydrological processes inside watersheds. Topics include: the hydrologic cycle and water balances, evapotranspiration and snow energy balances, vadose zone hydrology, hydrogeology, hyporheic zones, riparian zones, streamflow generation mechanisms, biogeochemical budgets, and field measurement techniques. Linkages between physical hydrology and broader ecological and environmental sciences will be highlighted.

**EOS325 - The Anthropocene: The Next Epoch of Geologic History**

**Subject**
EOS

**Catalog Number**
325

**Title**
The Anthropocene: The Next Epoch of Geologic History

**Description**
Introduction to the next epoch of geologic history. The evolution of the technosphere, the global human-technological system that increasingly dominates biology, hydrology, and other major natural earth systems. The future of the earth and humanity. Instructor consent required. Prerequisite: Earth and Climate Sciences 101 or 203.

**EOS355 - Global Warming**

**Subject**
EOS

**Catalog Number**
355

**Title**
Global Warming

**Description**
Broad, interdisciplinary course on the observations, causes, and consequences of climate change. Course will cover modern and paleoclimate observations, human and natural drivers, and links between drivers and responses. Building on this physical science base, course will then analyze how socioeconomic choices affect future climate as well as the factors influencing those choices, including risk analyses, geoengineering proposals, climate metrics and the media. Prerequisite: Earth and Climate Sciences 101 or 203.

**EOS355D - Global Warming**

**Subject**
EOS

**Catalog Number**
355D

**Title**
Global Warming

**Description**
Broad, interdisciplinary course on the observations, causes, and consequences of climate change. Course will cover modern and paleoclimate observations, human and natural drivers, and links between drivers and responses. Building on this physical science base, course will then analyze how socioeconomic choices affect future climate as well as the factors influencing those choices, including risk analyses, geoengineering proposals, climate metrics and the media.

**EOS359 - Fundamentals of GIS and Geospatial Analysis**

**Subject**
EOS

**Catalog Number**
359

**Title**
Fundamentals of GIS and Geospatial Analysis

**Description**
Fundamental aspects of geographic information systems and satellite remote sensing for environmental applications. Concepts of geographic data development, cartography, image processing, and spatial analysis. Consent of instructor is required.
### EOS364S - Changing Oceans

**Subject**: EOS  
**Catalog Number**: 364S  
**Title**: Changing Oceans

**Description**
Our oceans are under severe stress. This seminar will explore human disturbances of marine environments, including ocean warming, sea level rise, melting of ice caps and sea ice, ocean acidification, coastal eutrophication, changes in primary production and food web dynamics, invasive species, overfishing, increased subsurface hypoxia, changes in circulation, stratification, and physical, chemical (e.g. oil spills) and noise pollution.

### EOS365 - Introduction to Weather and Climate

**Subject**: EOS  
**Catalog Number**: 365  
**Title**: Introduction to Weather and Climate

**Description**
Introduction to weather and climate. Topics include atmospheric structure, composition, circulation and energy properties; severe weather events such as cyclones, hurricanes, and tornadoes; ozone depletion; natural climate variability; climate change and global warming.

### EOS370A - Physical Oceanography

**Subject**: EOS  
**Catalog Number**: 370A  
**Title**: Physical Oceanography

**Description**
Fundamental physical principles of ocean circulation. Physical properties of seawater; forces acting on the ocean such as heat, pressure gradients, wind stress, rotation, and friction; and conservation equations for heat, mass and momentum. Applications include geostrophic balances, thermal wind, coastally trapped waves, El Nino/ENSO, and tidal circulation. Taught in Beaufort at Duke Marine Lab. Prerequisite: one year of calculus and one semester of physics, or permission of instructor.

### EOS371L - Biodiversity of Marine Invertebrates

**Subject**: EOS  
**Catalog Number**: 371L  
**Title**: Biodiversity of Marine Invertebrates

**Description**
An introduction to the biodiversity represented by major marine invertebrate groups, with emphasis on the diversity of body forms and behaviors and on anatomical structures and functions. Field trips primarily by boat allow students to explore invertebrates characteristic of a variety of coastal habitats in North Carolina, including mud flats, sandy beaches, salt marshes, oyster reefs, piers and docks, and the water column. Live invertebrates maintained in the laboratory serve as models for detailed study of form and function.

### EOS374L - Marine Ecology

**Subject**: EOS  
**Catalog Number**: 374L  
**Title**: Marine Ecology

**Description**
Distribution, abundance, and diversity of marine organisms, including a survey of the major flora and fauna in the marine environment, including physical characteristics, adaptation to environment, species interactions, biogeography, larval recruitment, and biodiversity and conservation of communities found in rocky shores, tidal flats, beaches, marshes, mangrove, coral reefs, and subtidal areas. Lectures, field excursions, lab exercises and an independent project. Taught in Beaufort at Duke Marine Lab. Taught fall, spring, and summer; spring enrollment requires travel. Recommended prerequisite: AP biology or introductory biology.

### EOS374LA - Marine Ecology

**Subject**: EOS  
**Catalog Number**: 374LA  
**Title**: Marine Ecology

**Description**
Distribution, abundance, and diversity of marine organisms, including a survey of the major flora and fauna in the marine environment, including physical characteristics, adaptation to environment, species interactions, biogeography, larval recruitment, and biodiversity and conservation of communities found in rocky shores, tidal flats, beaches, marshes, mangrove, coral reefs, and subtidal areas. Lectures, field excursions, lab exercises and an independent project. Taught in Beaufort at Duke Marine Lab. Taught fall, spring, and summer; spring enrollment requires travel. Recommended prerequisite: AP biology or introductory biology.

### EOS377L - Marine Ecology

**Subject**: EOS  
**Catalog Number**: 377L  
**Title**: Marine Ecology

**Description**
Distribution, abundance, and diversity of marine organisms, including a survey of the major flora and fauna in the marine environment, including physical characteristics, adaptation to environment, species interactions, biogeography, larval recruitment, and biodiversity and conservation of communities found in rocky shores, tidal flats, beaches, marshes, mangrove, coral reefs, and subtidal areas. Lectures, field excursions, lab exercises and an independent project. Taught in Beaufort at Duke Marine Lab. Taught fall, spring, and summer; spring enrollment requires travel. Recommended prerequisite: AP biology or introductory biology.
# Duke University

## EOS377LA - Biodiversity of Marine Invertebrates

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<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>EOS</td>
<td>377LA</td>
<td>Biodiversity of Marine Invertebrates</td>
</tr>
</tbody>
</table>

**Description**

An introduction to the biodiversity represented by major marine invertebrate groups, with emphasis on the diversity of body forms and behaviors and on anatomical structures and functions. Field trips primarily by boat allow students to explore invertebrates characteristic of a variety of coastal habitats in North Carolina, including mud flats, sandy beaches, salt marshes, oyster reefs, piers and docks, and the water column. Live invertebrates maintained in the laboratory serve as models for detailed study of form and function. Taught in Beaufort at Duke Marine Lab.

## EOS390 - Special Topics in Earth and Ocean Sciences

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<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>EOS</td>
<td>390</td>
<td>Special Topics in Earth and Ocean Sciences</td>
</tr>
</tbody>
</table>

**Description**

Content to be determined each semester. Consent of instructor required.

## EOS390A - Duke-Administered Study Abroad: Advanced Special Topics in Earth and Ocean Sciences

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<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>EOS</td>
<td>390A</td>
<td>Duke-Administered Study Abroad: Advanced Special Topics in Earth and Ocean Sciences</td>
</tr>
</tbody>
</table>

**Description**

Topics differ by section.

## EOS391 - Independent Study

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<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>EOS</td>
<td>391</td>
<td>Independent Study</td>
</tr>
</tbody>
</table>

**Description**

Directed reading or individual projects. Term paper required. Open only to qualified students by consent of director of undergraduate studies and supervising instructor.

## EOS393 - Research Independent Study

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<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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<tbody>
<tr>
<td>EOS</td>
<td>393</td>
<td>Research Independent Study</td>
</tr>
</tbody>
</table>

**Description**

Individual research in a field of special interest under the supervision of a faculty member, the central goal of which is a substantive paper or written report containing significant analysis and interpretation of a previously approved topic. Open to qualified students by consent of director of undergraduate studies and supervising instructor.

## EOS393-1 - Research Independent Study

<table>
<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>EOS</td>
<td>393-1</td>
<td>Research Independent Study</td>
</tr>
</tbody>
</table>

**Description**

See EOS 393. Open to qualified students with consent of instructor and director of undergraduate studies. Half course.
<table>
<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>EOS</td>
<td>394</td>
<td>EOS394 - Research Independent Study</td>
<td>See Earth and Ocean Sciences 393. Open to qualified students by consent of director of undergraduate studies and supervising instructor.</td>
</tr>
<tr>
<td>EOS</td>
<td>401</td>
<td>EOS401 - Field Exploration of the Geology of North Carolina</td>
<td>Introduction to the geological history of North Carolina with an emphasis on active learning and field-based inquiry. Class time serves as preparation and background for two one-day and one overnight weekend field trips. An introductory geology background is useful but not required.</td>
</tr>
<tr>
<td>EOS</td>
<td>402S</td>
<td>EOS402S - Volcanology: Geology of Hawaii</td>
<td>Geology of volcanic processes and the benefits and hazards they present to society. Lectures, discussion and student presentations of independent research reports. Required field trip to Hawaii during spring break. Prerequisite: Earth and Ocean Climate 101 recommended. Consent of instructor required.</td>
</tr>
<tr>
<td>EOS</td>
<td>403</td>
<td>EOS403 - Geology and Natural History of the Yellowstone Region</td>
<td>This course is a laboratory and field-trip based examination of the geological history of Yellowstone Country. We will look at the formation and deformational history of the Wyoming Thrust Belt, the volcanic history of the Absaroka Range, the dramatic activity and influence of the arrival of the Yellowstone Hotspot during the Pleistocene (and present day), the complex tectonic and world-famous glacial history of the Grand Tetons, and learn about the unique Eocene lacustrine and fluvial settings of the Wyoming Fossil Basin.</td>
</tr>
<tr>
<td>EOS</td>
<td>410S</td>
<td>EOS410S - Senior Capstone Experience</td>
<td>Senior capstone field trip course. Field location varies. Topics in geology, hydrology, biology, climate, and other environmental subjects as appropriate for field area, especially human impact on the earth and the role of earth scientists as observers and teachers of earth-system change. Course content partially determined by students. Prerequisites: Open only to senior Earth and Ocean Climate majors. Department consent required.</td>
</tr>
</tbody>
</table>
**EOS89S - First-Year Seminar**

**Subject**
EOS

**Catalog Number**
89S

**Title**
First-Year Seminar

**Description**
Topics vary each semester offered.

**ETHICS101 - The Challenges of Living an Ethical Life**

**Subject**
ETHICS

**Catalog Number**
101

**Title**
The Challenges of Living an Ethical Life

**Description**
Familiar but fundamental ethical questions: What is a good, worthy or just life? How is it to be lived, toward what ends? Readings include dramas and philosophical analyses, parables and autobiographies, polemics and meditations, novels and political commentaries. Introductory course for the Ethics & Society Certificate.

**ETHICS101D - The Challenges of Living an Ethical Life**

**Subject**
ETHICS

**Catalog Number**
101D

**Title**
The Challenges of Living an Ethical Life

**Description**
Familiar but fundamental ethical questions: What is a good, worthy or just life? How is it to be lived, toward what ends? Readings include dramas and philosophical analyses, parables and autobiographies, polemics and meditations, novels and political commentaries. Introductory course for the Certificate Program in the Study of Ethics.

**ETHICS123 - Private Wealth and Public Giving: A Modern History**

**Subject**
ETHICS

**Catalog Number**
123

**Title**
Private Wealth and Public Giving: A Modern History

**Description**
Surveys the entangled relationship between private wealth and public giving over the past few centuries of capitalist modernity in Asia, Europe, and the United States. Explores how the entrepreneurial impulse to make money has also been shadowed by the ethical imperative to give it away. Analysis of the circumstances and contexts in which the apparent altruism of givers is also motivated by self-interest. The major topics include study of religious giving; the historical roots of philanthropy in the age of imperialism; the evolution of ideas of ‘trusteeship’ and ‘creative capitalism;’ gender and philanthropy; and ‘celebrity’ philanthropy.
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<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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<tbody>
<tr>
<td>ETHICS</td>
<td>129FS</td>
<td>Human Rights and World Politics</td>
</tr>
<tr>
<td>Description</td>
<td></td>
<td>Examines the role of human rights and global justice in world politics. We will consider questions such as whether human rights are universal, what role human rights and global justice should be play in U.S. foreign policy, which strategies are most effective in promoting human rights and global justice, and which risk inciting backlash. The course will cover topics including civil and political rights; economic, social and cultural rights; genocide, torture, humanitarian intervention, and the international criminal court.</td>
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<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>ETHICS</td>
<td>140FS</td>
<td>On Suffering: How Science and Stories Shape Us</td>
</tr>
<tr>
<td>Description</td>
<td></td>
<td>By studying written and oral storytelling (including news articles, research reports, case histories, speeches, etc.), this course explores arguments for, and critiques of, appealing to stories in the face of suffering—personal and environmental—and starts articulating theological and ethical implications of ‘being an engaged witness in the world.’ We will listen to historical and contemporary voices that have shaped our views of the world, explore characteristics of pseudoscientific movements that make us squirm, and dig into the apparent and real differences between scientific, experiential, and theological reasoning. Open only to students in the Focus Program. Department consent required.</td>
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<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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<tbody>
<tr>
<td>ETHICS</td>
<td>150FS</td>
<td>Citizenship, Patriotism, &amp; Identity</td>
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<tr>
<td>Description</td>
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<td>This course introduces students to fundamental moral questions about nation states and individuals’ membership in them. Do people owe more to their compatriots than to foreigners? Is it desirable—or at least permissible—for countries to have and promote a national identity? What different forms can patriotism take, and in which (if any) of these forms is it a virtue? Should we all be ‘citizens of the world?’ These questions will be explored primarily through readings in contemporary moral and political philosophy. Open only to students in the Focus Program.</td>
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<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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<tbody>
<tr>
<td>ETHICS</td>
<td>160FS</td>
<td>Globalization and Corporate Citizenship</td>
</tr>
<tr>
<td>Description</td>
<td></td>
<td>Are corporations citizens? And if so who defines their rights and responsibilities? To whom are they obligated? This course will critically examine the origins and diffusion of increasingly prevalent notions of corporate citizenship and corporate social responsibility from an anthropological perspective. Particular emphasis will be upon corporate environmental and conservation policies in East Africa and the United States. Open only to students in the Focus Program. Director of undergraduate studies consent required.</td>
</tr>
</tbody>
</table>
ETHICS170FS - Liberty and Equality: Ancient and Modern Perspectives

Subject: ETHICS
Catalog Number: 170FS
Title: Liberty and Equality: Ancient and Modern Perspectives

Description:
Examines the democratic values of liberty and equality in Greek, Roman, and American political thought. Are democracy and liberty allies or foes? What is the relationship between liberty and equality? Is freedom possible under non-democratic regimes? Is individual liberty protected by equal and inalienable human rights? What is the relationship between individual liberties and aspirations for a good and just society? Why have some democratic societies embraced imperialism or slavery? Readings drawn from Aristophanes, Thucydides, Plato, Aristotle, Cicero, Epictetus, Tacitus, Jefferson, Madison, Hamilton, Lincoln, Douglass, London, Du Bois, Hamer, King, and Vonnegut, among others. Focus only.

ETHICS178FS - Neoliberalism and US Politics

Subject: ETHICS
Catalog Number: 178FS
Title: Neoliberalism and US Politics

Description:
Neoliberalism is a philosophical framework so intrinsic to contemporary US politics that it can be difficult for Americans to articulate, contemplate, and critique. In this course, we will define neoliberalism, evaluate its role in US politics and society, and discuss alternative social and political worldviews.

ETHICS179FS - Documenting Youth Movements for Environment and Racial Justice Since 2010

Subject: ETHICS
Catalog Number: 179FS
Title: Documenting Youth Movements for Environment and Racial Justice Since 2010

Description:
Immersion in the dangerous and contentious recent history of youth activism in environmental and racial justice movements worldwide. Using oral history, archival research methods, and cultural production, students explore methods for researching documenting and creating narratives of youth social activism. Historical and contemporary youth campaigns explored in this course include those to protect land, soil, air and people from pollutants in Black, Indigenous, and Global South communities. All of these movements have expanded the legal, narrative, and practical understanding of environmental and human rights in US and global frameworks.

ETHICS182FS - Beyond Denial - A Thriving Future

Subject: ETHICS
Catalog Number: 182FS
Title: Beyond Denial - A Thriving Future

Description:
Part of the Focus cluster ‘It’s Not Too Late to Build a Better World,’ requires permission. What are the roots of the climate crisis or unparalleled inequality? This course explores big ideas as well as specific models that envision a radically different future, one that provides for the common good within our given biophysical limits, including discourses such as post-growth, wellbeing, and care economics; eco-feminism; eco-anarchism; decolonization; ecological justice; and commoning. A reading and discussion intensive course that uses an interdisciplinary approach and includes elements of research, individual and group presentations, as well as a writing requirement.
### ETHICS188FS - American Perspectives on Citizenship

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<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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<tbody>
<tr>
<td>ETHICS</td>
<td>188FS</td>
<td>American Perspectives on Citizenship</td>
</tr>
</tbody>
</table>

**Description**
An overview of American perspectives on citizenship. Explores ongoing controversies about the influence of liberalism and republicanism on American conceptions of citizenship, whether American individualism threatens civic duty, whether civil disobedience is justified, whether there are certain values and experiences that all American citizens should share, and whether national identities are relevant in an increasingly global world. Open only to students in the Focus Program. Department consent required.

### ETHICS189 - What Now? The Duke Guide to Happiness, Purpose, and Well-Being

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<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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**Description**
Integration and practice course to accompany What Now? full-credit seminars. Provides a space for synthesis of seminar-specific learning with program-wide facilitated conversations, community building, and activities. Course content will include regular weekly reflections and an integrative semester capstone project identifying key insights on individual students' semester experiences and deliberative next steps through Duke.

### ETHICS190 - Special Topics on Ethics

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<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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<tbody>
<tr>
<td>ETHICS</td>
<td>190</td>
<td>Special Topics on Ethics</td>
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</table>

**Description**
Topics vary by semester.

### ETHICS190FS - Special Topics in Ethics (Focus Program)

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<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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<tbody>
<tr>
<td>ETHICS</td>
<td>190FS</td>
<td>Special Topics in Ethics (Focus Program)</td>
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</tbody>
</table>

**Description**
Topics vary. Open only to students in the Focus program. Topics course. Department consent required.
<table>
<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>ETHICS</td>
<td>190S</td>
<td>Special Topics in Ethics</td>
</tr>
<tr>
<td>Description</td>
<td></td>
<td>Topics vary each semester.</td>
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<tr>
<td>Subject</td>
<td>Catalog Number</td>
<td>Title</td>
</tr>
<tr>
<td>ETHICS</td>
<td>193FS</td>
<td>Dynamics of Environmental &amp; Climate Justice: Movements, Countermovements, &amp; Institutional Response</td>
</tr>
<tr>
<td>Description</td>
<td></td>
<td>This course examines the contentious politics of the environmental justice and climate justice movements. We explore how these movements and their opposition work to shape political opportunities and responses. We will consider the substantive concerns of the environmental justice movement, the climate justice movement, their methods, and the scales at which they operate (local, national, global). Social movements of political significance will generate opposition. So, we will consider the countermovements that challenge both justice movements. These topics will be explored using a range of materials as well as through field observations of movement activities and other events. FOCUS program students only.</td>
</tr>
<tr>
<td>Subject</td>
<td>Catalog Number</td>
<td>Title</td>
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<tr>
<td>ETHICS</td>
<td>194FS</td>
<td>Beyond Disagreement and Cozy Consensus</td>
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<tr>
<td>Description</td>
<td></td>
<td>Part of the 'Ethics, Leadership &amp; Global Citizenship' Focus cluster. Introduction to tools and concepts in ethics, critical reasoning, politics, and psychology. Emphasis on identifying and framing the right questions about justice, democracy, identity, etc; then criticizing or justifying answers to such questions. Readings range from classics in the history of Western thought, to country and western music, and Kanye West. Open only to students in the Focus program. Instructor consent required.</td>
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<tr>
<td>Subject</td>
<td>Catalog Number</td>
<td>Title</td>
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<tr>
<td>ETHICS</td>
<td>195S</td>
<td>Human Rights and Legal Redress: Seeking Justice through Human Rights</td>
</tr>
<tr>
<td>Description</td>
<td></td>
<td>In this course, students will analyze through case studies the issues that confront the implementation of human rights ethics down through the layers separated by geography and culture to local implementation and enforcement. They will acquire an understanding of the international, regional and local human rights conventions and structures which propose, cultivate and enforce the ethical norms of the international human rights regime. This class addresses questions including: in what respects do enforcement options differ from place to place? When, where and under what circumstances is the human rights apparatus most effective in providing redress for rights violations? And, what are the alternatives to the human rights approach to justice?</td>
</tr>
</tbody>
</table>
**ETHICS199FS - Refugees, Rights, and Resettlement**

**Subject**  
ETHICS

**Catalog Number**  
199FS

**Title**  
Refugees, Rights, and Resettlement

**Description**  
35 million refugees and internally displaced persons in the world. A comparative historical overview of international refugee policy and law dealing with this growing population. Students will grapple with the ethical challenges posed by humanitarian intervention on behalf of refugees and the often unintended consequences of such policies. Students examine case studies to determine how different models for dealing with refugee resettlement affect the life chances of refugees. Service-learning course. Students will work with refugees from Bhutan, Burma and Iraq recently resettled in Durham. Instructor consent required.

**ETHICS201 - Introduction to Engaged Citizenship and Social Change**

**Subject**  
ETHICS

**Catalog Number**  
201

**Title**  
Introduction to Engaged Citizenship and Social Change

**Description**  
Introduction to key concepts, theories, and critiques of civic engagement and social change, with a focus on competing notions of democratic citizenship. Examination of voluntarism, philanthropy, community service, political participation, social activism and other forms of community engagement. Critical reflection on ethical issues related to community engagement and social change, including critiques of progressivism and service. Students will also be asked to apply these various approaches to pressing social issues of our time, such as income inequality, environmental justice, education reform and gender and race equality.

**ETHICS201S - Introduction to Engaged Citizenship and Social Change (Gateway Course)**

**Subject**  
ETHICS

**Catalog Number**  
201S

**Title**  
Introduction to Engaged Citizenship and Social Change (Gateway Course)

**Description**  
Introduction to key concepts, theories, and critiques of civic engagement and social change, with a focus on competing notions of democratic citizenship. Examination of voluntarism, philanthropy, community service, political participation, social activism and other forms of community engagement. Critical reflection on ethical issues related to community engagement and social change, including critiques of progressivism and service. Students will also be asked to apply these various approaches to pressing social issues of our time, such as income inequality, environmental justice, education reform and gender and race equality. Consent of instructor is required.

**ETHICS202 - Conservatism**

**Subject**  
ETHICS

**Catalog Number**  
202

**Title**  
Conservatism

**Description**  
Social or 'moral' conservatives are rare birds in the modern university. Who are these people and why do they think as they do? This course will explore the historical and intellectual foundations of this branch of conservatism in the Western world. Topics will include religion and politics, views of 'modernity' and liberalism, the value of tradition, human nature and purpose, social justice, marriage, sexuality, abortion, family, natural law, the sanctity of human life, religious freedom, constitutional law, the basis of rights, free markets, and conservatism in higher education. Authors will include philosophers, theologians, and political theorists. Lively discussion will be encouraged.
**ETHICS203 - How to Think in an Age of Political Polarization**

**Subject**
ETHICS

**Catalog Number**
203

**Title**
How to Think in an Age of Political Polarization

**Description**

Americans today live in a time of deep political polarization, cultural tribalism, and self-segregation. To many, it feels like we’re in the middle of a cultural civil war that is turning violent. Those with whom we have deep disagreements, assuming we interact with them at all, are often viewed as not just wrong but as irrational, immoral, even contemptible. Is this a good thing? What sort of habits of mind (e.g. intellectual humility and charity) and practices should we cultivate in response to this reality in order to sustain a healthy democracy? Special attention paid to the university, cancel culture, free speech, social media, and identity politics. Lively discussion is encouraged.

**ETHICS204 - Feminist Ethics**

**Subject**
ETHICS

**Catalog Number**
204

**Title**
Feminist Ethics

**Description**
Do women experience the world differently than men? An examination of women’s experience, women’s ways of knowing, ethical systems and feminist critique, patriarchy, dualistic thinking, gender oppression, care ethics, ethical dilemmas. Lecture version of GSF 367S.

**ETHICS204S - Feminist Ethics**

**Subject**
ETHICS

**Catalog Number**
204S

**Title**
Feminist Ethics

**Description**
Do women experience the world differently than men? An examination of women’s experience, women’s ways of knowing, ethical systems and feminist critique, patriarchy, dualistic thinking, gender oppression, care ethics, ethical dilemmas.

**ETHICS205S - Composing Oneself: Stress, Identity, and Wellness**

**Subject**
ETHICS

**Catalog Number**
205S

**Title**
Composing Oneself: Stress, Identity, and Wellness

**Description**
Interdisciplinary exploration of arts and science related to stress, identity, and wellness. Multi-dimensional focus fusing science, theory, art, literature, and performance to understand structural causes of stress, their physiological effects, and how stressors impact our identities and community ethics. Through text analysis and experience, students explore how arts of wellness, including yoga, mindfulness, and art therapies, impact stress, identity, and ethics. Course texts include literary and discourse theory, social science, neuroscience, and primary texts related to stress, identity, and wellness, including nonfiction, fiction, poetry, art, music, performance.
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<tr>
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</thead>
<tbody>
<tr>
<td>ETHICS210 - The Good Life: Religion, Philosophy, and Life's Ultimate Concerns</td>
<td>ETHICS</td>
<td>210</td>
<td>What does it look like for a human life to go well? What leads to human flourishing or 'happiness' or 'success'? What is freedom? Love? Justice? What is the basis for ethics? What is our relationship to the natural world? What is the significance of death? How do our beliefs (or lack thereof) about God or the gods shape how we view the world? We will examine how philosophical or religious traditions around the globe have answered life's biggest questions. Traditions may include Confucianism, Islam, Christianity, Stoicism, Judaism, Buddhism, Hinduism, scientific naturalism, expressive individualism, and utilitarianism. Part of the Transformative Ideas Sophomore Program.</td>
</tr>
</tbody>
</table>

| ETHICS212 - Ecology and the Human Good: Sustainability, Community, Nature, and Belonging | ETHICS | 212 | This course examines the complex network of relationships that support flourishing human communities. How do our interactions with each other and the natural world enhance or undermine our ability to grow and live together? How does the structure of human communities shape our relationship with nature? What is the proper role of markets and technological innovation in our quest for a sustainable and flourishing future world? Through an interdisciplinary lens, we will examine topics including sustainable agriculture, community formation, friendship, climate migration, environmental ethics, food, conservation, the politics of belonging and citizenship. This course is part of the Transformative Ideas Sophomore Program. |

| ETHICS213 - Exploring Science and Religion | ETHICS | 213 | This Transformative Ideas course, geared to sophomore STEM majors, introduces the most pressing questions about science and religion. Core topics will include faith and reason; the origins of the universe; the existence of fine-tuning; evolution, randomness and design; the neuroscience of free will; the science of the soul; and science and morality. Other possible topics may include: recent theories of consciousness in psychology; the relationship between God and time; God and the epistemology of mathematics; religion and advances in AI; the neuroscience of religious experience; the possibility of miracles; and historical episodes in the development of science vis-à-vis religion. |

| ETHICS214 - Medicine and Human Flourishing | ETHICS | 214 | This course examines the nature, ends, and practice of medicine as it relates to the human condition. How can medicine foster human flourishing and well-being—individual and social—against the experience of injury, pain, and suffering? Beginning with ancient Greece and its Hippocratic corpus, students explore answers to this question within a variety of historical and contemporary contexts. Taught by an interdisciplinary team of scholars that includes medical professionals, the course highlights the importance and professional relevance of posing big questions about personal meaning and human values at stake in the practice of medicine. |
ETHICS214D - Medicine and Human Flourishing

Subject: ETHICS  
Catalog Number: 214D  
Title: Medicine and Human Flourishing

Description: This course examines the nature, ends, and practice of medicine as it relates to the human condition. How can medicine foster human flourishing and well-being—individual and social—against the experience of injury, pain, and suffering? Beginning with ancient Greece and its Hippocratic corpus, students explore answers to this question within a variety of historical and contemporary contexts. Taught by an interdisciplinary team of scholars that includes medical professionals, the course highlights the importance and professional relevance of posing big questions about personal meaning and human values at stake in the practice of medicine.

ETHICS215 - Resettling Refugees in Durham

Subject: ETHICS  
Catalog Number: 215  
Title: Resettling Refugees in Durham

Description: This service-learning course partners students with locally resettled refugee families to identify social problems in the community and work toward solutions for addressing them. Students will work one-on-one with refugees to complete coursework and/or projects for the service-learning component of this course. By working with refugees, Duke students develop a better awareness of global issues present at a local level. End products of this course vary by semester. Students have worked to help produce films, gallery exhibits, and other public pieces relaying the refugee experience. This course is part of the MASTERY/SuWA refugee mentorship program.

ETHICS216 - Reimagine Medicine

Subject: ETHICS  
Catalog Number: 216  
Title: Reimagine Medicine

Description: The course extends the experiences, learning, and community established in the ReMed summer fellowship. Physicians and other healthcare practitioners, as well as faculty in the arts and humanities, will challenge students to examine historical, social, economic, and cultural determinants of health, and to imagine themselves contributing to improving the system for patients and practitioners. Students will support each other as they develop a personal statement and sample essays for medical school applications. Key learning will be expressed through original works of visual and performing art. Instructor consent required.

ETHICS216S - Reimagine Medicine

Subject: ETHICS  
Catalog Number: 216S  
Title: Reimagine Medicine

Description: The course extends the experiences, learning, and community established in the ReMed summer fellowship. Physicians and other healthcare practitioners, as well as faculty in the arts and humanities, will challenge students to examine historical, social, economic, and cultural determinants of health, and to imagine themselves contributing to improving the system for patients and practitioners. Students will support each other as they develop a personal statement and sample essays for medical school applications. Key learning will be expressed through original works of visual and performing art. Instructor consent required.
### ETHICS220 - Christian Ethics and Modern Society

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<thead>
<tr>
<th>Subject</th>
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<th>Title</th>
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<tbody>
<tr>
<td>ETHICS</td>
<td>220</td>
<td>Christian Ethics and Modern Society</td>
</tr>
</tbody>
</table>

**Description**

An introduction to Christian ideals of conduct, character, and community, and to modern disputes over their interpretation and application. Are Christian virtues and principles fundamentally at odds with the ethos of liberal democracy oriented toward rights, equality, and freedom? What do Christian beliefs and moral concepts imply about issues related to identity and pluralism? What is the relationship between religious convictions, morality, and law? Special emphasis on selected political and economic problems, sexuality and marriage, capital punishment, animals and the environment, abortion, and the role of religion in public life.

### ETHICS220S - Christian Ethics and Modern Society

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<tr>
<td>ETHICS</td>
<td>220S</td>
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**Description**

An introduction to Christian ideals of conduct, character, and community, and to modern disputes over their interpretation and application. Are Christian virtues and principles fundamentally at odds with the ethos of liberal democracy oriented toward rights, equality, and freedom? What do Christian beliefs and moral concepts imply about issues related to identity and pluralism? What is the relationship between religious convictions, morality, and law? Special emphasis on selected political and economic problems, sexuality and marriage, capital punishment, animals and the environment, abortion, and the role of religion in public life.

### ETHICS221 - Arab Society and Culture in Film

<table>
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<tr>
<td>ETHICS</td>
<td>221</td>
<td>Arab Society and Culture in Film</td>
</tr>
</tbody>
</table>

**Description**

Examination of Arab worldviews (including cultural variations, artistic expressions, views about gender, and religion, and perspectives toward the U.S.). Explores the development of images of the Arab and seeks to understand them in the context of the Arab world as well as in its relationship to the West. Examines the dynamics between norms of modern civil society and those dictated by religious traditions. Critically examines current Western assumptions, representations and understanding of Arab societies, and the moral frameworks in which different choices are debated in the Arab context.

### ETHICS222 - Manifesto Workshop: Climate Change, Afro-/Solar Punk, and Performance

<table>
<thead>
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<tr>
<td>ETHICS</td>
<td>222</td>
<td>Manifesto Workshop: Climate Change, Afro-/Solar Punk, and Performance</td>
</tr>
</tbody>
</table>

**Description**

Manifesto Workshop: Afro-/Solarpunk, Climate Change, and Performance is a performance-based workshop that seeks to explore radical, embodied storytelling through the lenses of several manifestos: Afrofuturism, Solarpunk, Environmental Justice, and Queer Utopias. Through creative research, embodied 'in(queer)y,' and collaborative theater-making, the workshop will culminate in a public performance of original student work.
ETHICS230S - Augustine's City of God

Subject: ETHICS  
Catalog Number: 230S  
Title: Augustine's City of God

Description:
Study of the literary form and argument of Augustine's epoch-making City of God: a rhetorical tour de force of consummate artistry and stunning originality and scope; and a political, religious, and moral critique of ancient Rome within a comparative, cross-cultural analytical framework that vindicates an alternative vision of society rooted in the Christian scriptures. City of God provides a remarkable example of sophisticated literary construction, rhetorical prowess, cross-cultural examination, and moral reflection. We focus on these four facets of a celebrated synthesis that breaks new ground in historiography, political science, and moral theory.

ETHICS235S - Islam & the Meaning of Life

Subject: ETHICS  
Catalog Number: 235S  
Title: Islam & the Meaning of Life

Description:
The range of topics implicated by 'meaning of life' as essentials of Islamic philosophy and theology includes the features of the good life; true happiness; the quest for eternity and not to be forgotten; overcoming loneliness and alienation; peacefulness; seeking truth and reducing suffering; living in a purposeful universe; free will; the ultimate purpose of the human life; necessary cause for moral obligations; faith and reason; human dignity; the quest for absolute beauty and good; knowing the Beginning and the Return; the observation of transcendence and immanence; the origin of mercy, love, friendship, justice, fairness, and hope; 'the wholly other'; the exemplar of the human being.

ETHICS238S - Activism & Christianity in Modern America

Subject: ETHICS  
Catalog Number: 238S  
Title: Activism & Christianity in Modern America

Description:
An exploration of the relation of Christian belief and practices with agitation for social change, with a focus on the United States from the colonial period to the present. Attention given to how identity, power, and suffering shape historical judgments about the intersection of religion and ethics. Close readings of primary sources drawn from autobiographies, letters, sermons, poems, and treatises. Figures may include John Wesley, Sojourner Truth, Frederick Douglass, Martin Luther King Jr., Pauli Murray, Dorothy Day, Thomas Merton, Daniel Berrigan.

ETHICS240 - Love and Loneliness: What's Happening to Relationships in the Twenty-First Century?

Subject: ETHICS  
Catalog Number: 240  
Title: Love and Loneliness: What's Happening to Relationships in the Twenty-First Century?

Description:
Long-standing ties to other—whether of kinship, marriage, or community—have long been considered to be fundamental to the human condition. But in an age of dissipated and shifting social worlds, the relationships we form with others are radically changing in the twenty-first century. The class will critically examine the ideals, premises, and obstacles for forming intimacy with others through such cases as hook-ups, solitary death, solo weddings, domestic violence, human/non-human attachments, and migrancy.
ETHICS241S - Educational Psychology

Description
Principles of developmental, social, and cognitive psychology as applied to education, with a focus on how children learn. Examination of the impact on learning of race, class, gender, and ethnicity, including a comparative analysis of cultural differences in American schools. Through structured service-learning experiences in local schools, students reflect through writing on ethical issues in teaching. Required service-learning.

ETHICS245S - Contemporary Nationalism and Classical Political Theory

Description
Ancient Greece and Rome offered competing visions of politics based on republics and the cosmopolitan idea of humans as world-citizens. In light of classical political theory and the resurgence of nationalism in current politics, we will consider the following questions: Should politics be based on concern for the individual or the nation? Do we have stronger duties to our nations and fellow citizens than to the rest of the world? If so, can we ignore other countries and focus on our own problems? Should foreign policy further the goals of nation-states or focus on global justice? Are nation-states necessary? How should we address the environment, immigration, and economic globalization?

ETHICS247S - Human Flourishing in a Digital Age

Description
The digital age has enhanced human life in many ways: communication is faster, medicine is better, and our knowledge of the world is deeper. But it has also changed the nature of work, society, and our sense of well-being, and raised fundamental questions about the meaning and purpose of human life. This course asks what it means for humans to flourish in a digital age. It considers how new technologies through the centuries have impacted human flourishing, making certain aspects easier and others harder, and perhaps even altering our conception of what flourishing looks like. Our ultimate goal is to ponder together how we should practically live in today's digital age. For sophomores only.

ETHICS253S - Pursuit of Purpose: Exploring What to Be and Why

Description
Preparation course for students who plan to undertake a summer internship through the Kenan Purpose Program. Engages students in their own pursuit of a purpose-oriented life. Exploration of meaning, purpose, and vocation in historical and contemporary contexts. Introduces durable philosophical questions and key social, cultural, and historical forces that shape current definitions of a good life. Guided reflection on integrating big questions, contemporary context, and practical vocational discernment skills. Readings to be selected from literary, philosophical, sociological, and theological writings and present-day case studies. Instructor consent is required.
ETHICS256S - Just Work: Restorative Justice Models and Applications

Subject: ETHICS  
Catalog Number: 256S  
Title: Just Work: Restorative Justice Models and Applications

Description:
Rooted in ancient practices from indigenous cultures & religious texts, Restorative Justice (RJ) has gained interest as a means to reform the modern justice system and manage wrongdoing in schools and workplaces. This course takes an interdisciplinary approach to consider RJ as an alternative to typical retributive justice models. Examines RJ theory, RJ diversion programs, & the strengths and limitations of RJ's application, including Victim-Offender Mediated Dialogues, Community Conflict Councils, and Truth & Reconciliation Commissions. Asks: does RJ offer the paradigm shift our society needs to address the failings in our justice systems in our communities, institutions, & personal lives?

ETHICS259 - News as a Moral Battleground

Subject: ETHICS  
Catalog Number: 259  
Title: News as a Moral Battleground

Description:
Ethical inquiry into journalism and its effect on public discourse. Issues include accuracy, transparency, conflicts of interest and fairness. Topics include coverage of national security, government secrecy, plagiarism/fabrication, and trade-offs of anonymous sourcing.

ETHICS262S - Global Migration and Ethics

Subject: ETHICS  
Catalog Number: 262S  
Title: Global Migration and Ethics

Description:
Same as Cultural Anthropology 216 except in seminar format.

ETHICS264S - Religion & Journalism

Subject: ETHICS  
Catalog Number: 264S  
Title: Religion & Journalism

Description:
This course explores the many and complex ways in which religion converges with and diverges from journalism.

ETHICS265 - Applied and Environmental Ethics

Subject: ETHICS  
Catalog Number: 265  
Title: Applied and Environmental Ethics

Description:
A critical examination of ethical dimensions of several contemporary individual and political normative problems, including abortion, affirmative action, national and international economic redistribution, and the environmental impact of economic changes and political decisions.

ETHICS267S - Global Cold War

Subject: ETHICS  
Catalog Number: 267S  
Title: Global Cold War

Description:
Traditional narratives of the Cold War focus on a bi-polar series of conflicts that pit the United States against the Soviet Union in a good-versus-evil battle for global political and military supremacy. This course destabilizes this account of a process that affected every continent on earth – and even reached into space – over the period of more than half a century. It explores the Cold War from East-West, North-South, global, and interstellar perspectives. In addition to political and military issues, the course will also discuss the Cold War in social, cultural, intellectual, and economic spheres.
ETHICS269 - Neuroethics
Subject: ETICS
Catalog Number: 269
Title: Neuroethics
Description: Focus on emerging ethical controversies concurrent with advances in neuroscience. Background material covered: concepts and methods in neuroscience; theories of ethics and morality from philosophy, law, and other fields. Ethical topics covered: biological bases of morality; emotions and decision making; neuroeconomics and neuromarketing; pathologies of mind and behavior; volition and legal culpability. Course format: combined lectures, discussion, interactive activities, with case studies and real-world examples (e.g., neuroimaging as legal evidence). Prior coursework in neuroscience and/or ethical inquiry recommended.

ETHICS270 - Business Ethics: The Debate Over Corporate Social Responsibility
Subject: ETICS
Catalog Number: 270
Title: Business Ethics: The Debate Over Corporate Social Responsibility
Description: Debates about obligations of firms and business leaders over and above legal obligations. Examination of foundations and implications of corporate governance, corporate law, and the theory of the firm. Evaluation of challenges by supporters of stakeholder theory and corporate social responsibility.

ETHICS271 - Life Within Capitalism: A History of its Values, Measures and Struggles
Subject: ETICS
Catalog Number: 271
Title: Life Within Capitalism: A History of its Values, Measures and Struggles
Description: Examination of how capitalism has profoundly shaped people’s ethical values, with focus on United States. Investigates central developments behind history of capitalism; explores key struggles that led to formation of capitalist logic (choices, values, goals); traces impact of capitalist goals and measures on ethical values and choices; examines discussions about possible future developments within capitalism.

ETHICS272S - Sexuality and the Law
Subject: ETICS
Catalog Number: 272S
Title: Sexuality and the Law
Description: This course will introduce students to legal and ethical issues at the intersection of law, gender and sexuality. The course will use interpretive methods used in jurisprudence, as well as conceptual tools developed by feminist, critical race and queer theoreticians to explore such issues as the criminalization of gay sex, the equal protection of all persons regardless of their sexual orientation or gender identity, and the role of the state in resolving perceived conflicts between that right to equal protection and the right to religious freedom. The course will take a cross-cultural / multi-jurisdictional comparative approach to these issues.

ETHICS274S - Aristotle and Neuroscience
Subject: ETICS
Catalog Number: 274S
Title: Aristotle and Neuroscience
Description: Explores the relevance of Aristotle’s thought, especially his treatise ‘On the Soul,’ to understanding the research projects and foundations of cognitive psychology and neuroscience and the relationship between them. Brings Aristotle into dialogue with modern scholarship. Topics include: the use of hylomorphism and functionalism; the nature of perception, representation (including knowledge and belief), memory, emotion, and pain; desire, intentionality, and the relationship of perception to action; consciousness; folk psychology, inference, and explanatory reduction; the self; and moral psychology. Prior knowledge of Aristotelian philosophy or neuroscience is not required.

ETHICS275 - Democracy: Ancient and Modern
Subject: ETICS
Catalog Number: 275
Title: Democracy: Ancient and Modern
Description: Examines democracy in its ancient and modern forms, with special attention to Athenian and American democracy. Does modern democracy fulfill the promise of ancient democracy, or betray its fundamental tenets? Topics may include freedom, equality, and rights; democratic institutions; citizenship; rhetoric; democratic knowledge and decision-making; foreign policy; corruption; religion; and hope.
**ETHICS275D - Democracy: Ancient and Modern**

**Subject**
ETHICS

**Catalog Number**
275D

**Title**
Democracy: Ancient and Modern

**Description**
Examines democracy in its ancient and modern forms, with special attention to Athenian and American democracy. Does modern democracy fulfill the promise of ancient democracy, or betray its fundamental tenets? Topics may include freedom, equality, and rights; democratic institutions; citizenship; rhetoric; democratic knowledge and decision-making; foreign policy; corruption; religion; and hope.

**ETHICS276 - Roman Political Thought and Its Modern Legacy**

**Subject**
ETHICS

**Catalog Number**
276

**Title**
Roman Political Thought and Its Modern Legacy

**Description**
Why does Rome still capture the imagination of modern political commentators and theorists? This course examines Roman political thought as it was conceived under the Republic, reimagined under the Empire, and transformed by Christianity. Topics may include the Roman constitution, liberty, equality, property, slavery, rights, citizenship, civil religion, political corruption, rhetoric, imperialism, just war theory, and cosmopolitanism.

**ETHICS281S - Science and Society**

**Subject**
ETHICS

**Catalog Number**
281S

**Title**
Science and Society

**Description**
Science and technology are inseparable from the people that engage in them and are influenced by them. In this course we will ask questions such as: what is science? How do scientists go about doing it? Where does science get its authority? What are the responsibilities of scientists to the public? What are the ethical, legal, and political considerations that should accompany scientific development? We will read classic and contemporary texts concerning these issues, and students will develop their critical and philosophical abilities in order to assess and contribute to these debates. Reserved for Sophomores Only.

**ETHICS283S - The Democratic Mission of American Higher Education**

**Subject**
ETHICS

**Catalog Number**
283S

**Title**
The Democratic Mission of American Higher Education

**Description**
This seminar will explore the purposes of American higher education, with a focus on the origins of higher education in this country and important period of institutional evolution. We will interrogate the relationship between democracy and higher education in two ways. First, by understanding how democracy provides the necessary conditions for higher education to pursue its core mission. Second, by looking at how higher education promotes democratic values. The course will pay particular attention to post-WWII American higher education, with a focus on important contemporary debates on higher education issues.

**ETHICS285 - Denial, Faith, Reason: Sustainability and Survival**

**Subject**
ETHICS

**Catalog Number**
285

**Title**
Denial, Faith, Reason: Sustainability and Survival

**Description**
This course investigates both theory and history of the concept of sustainability, and explores its various economic and political manifestations over time. What are the historical roots of the sustainability debate? What aspects of life do various concepts of sustainability entail, and how do they inform modern ethics? What, in the end, does the history of political economics teach us about the possibility of sustainable development?

**ETHICS287 - Religion and Science**

**Subject**
ETHICS

**Catalog Number**
287

**Title**
Religion and Science

**Description**
The diverse interactions of religion and science from the Renaissance to the present. The profound transformation of modern science by seventeenth-century revolutions and nineteenth-century discoveries; in turn, the transformation of society, including religion, by modern science. Some consideration of physics and astronomy, but major focus on the impact of Darwinian anti-teleology and modern biology, especially animal studies, on 'natural theology' and traditional arguments from design. Thinkers to be considered include Francis Bacon, Montaigne, Spinoza, Thomas Huxley, Albert Einstein, and E. O. Wilson. Topics include evolution, human consciousness, human identity, and the human-animal boundary.
### ETHICS287S - Religion and Science

**Subject**: ETHICS  
**Catalog Number**: 287S  
**Title**: Religion and Science  

**Description**  
The diverse interactions of religion and science from the Renaissance to the present. The profound transformation of premodern science by seventeenth-century revolutions and nineteenth-century discoveries; in turn, the transformation of society, including religion, by modern science. Some consideration of physics and astronomy, but major focus on the impact of Darwinian anti-teleology and modern biology, especially animal studies, on 'natural theology' and traditional arguments from design. Thinkers to be considered include Francis Bacon, Montaigne, Spinoza, Thomas Huxley, Albert Einstein, and E. O. Wilson. Topics include evolution, human consciousness, human identity, and the human-animal boundary.

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### ETHICS288S - Ethical Dimensions of Environmental Policy

**Subject**: ETHICS  
**Catalog Number**: 288S  
**Title**: Ethical Dimensions of Environmental Policy  

**Description**  
Uses case studies from different arenas of environmental policy (e.g., climate and clean air, water and waste, forests, oceans, energy) to surface normative assumptions often implicit in policy design and implementation. Links ethics to ethos (beliefs, aspirations, and spirit of a community or culture) to suggest that policies are not only pragmatic guidelines for decision-making and action, but also fundamental declarations concerning the character of human flourishing and the shape of the natural world, which is why environmental policies are often so contentious. Seeks to help students understand this aspect of environmental policy and to negotiate these deep-seated ethical conflicts.

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### ETHICS290 - Special Topics in Ethics

**Subject**: ETHICS  
**Catalog Number**: 290  
**Title**: Special Topics in Ethics  

**Description**  
Topics vary

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### ETHICS290S - Special Topics in Ethics

**Subject**: ETHICS  
**Catalog Number**: 290S  
**Title**: Special Topics in Ethics  

**Description**  
Topics vary by semester. Seminar version of Ethics 290.

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### ETHICS291 - Independent Study

**Subject**: ETHICS  
**Catalog Number**: 291  
**Title**: Independent Study  

**Description**  
Individual non-research directed study in a field of special interest on a previously approved topic, under the supervision of a faculty member, resulting in an academic and/or artistic product. Consent of instructor and director of undergraduate studies required.

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### ETHICS293 - Research Independent Study

**Subject**: ETHICS  
**Catalog Number**: 293  
**Title**: Research Independent Study  

**Description**  
Individual research in a field of special interest under the supervision of a faculty member, the central goal of which is a substantive paper or written report containing significant analysis and interpretation of a previously approved topic.
ETHICS301S - Business and Human Rights Advocacy Lab

Subject: ETHICS  
Catalog Number: 301S  
Title: Business and Human Rights Advocacy Lab

Description:
An exploration of human rights advocacy from a legal, political science and comparative perspective. Will focus on issues related to corporate accountability. A core component of the course will include a human rights 'lab' in which students work in teams on policy-oriented projects, potentially in collaboration with community partners.

ETHICS302 - Constitutional Law in the American Political Tradition

Subject: ETHICS  
Catalog Number: 302  
Title: Constitutional Law in the American Political Tradition

Description:
The Constitution plays a preeminent role in U.S. political history and public discourse. Yet what does it mean for a government or policy to be constitutional—and why do we care so much? This course studies the concept of constitutionalism in the American political tradition. Why does the Constitution play such a significant role in American politics? What philosophical, moral, economic, and political considerations shaped our Constitution—and what might have been left out? What rights does the U.S. Constitution guarantee? How has our understanding of the Constitution—and its role in our republic—shifted over time?

ETHICS303D - Religion, Restrictions, and Violence

Subject: ETHICS  
Catalog Number: 303D  
Title: Religion, Restrictions, and Violence

Description:
An examination of the historical roots and current manifestations of religiously-justified violence and disenfranchisement, with a focus on the Abrahamic traditions (Judaism, Christianity, and Islam). The violence treated will include the expressly physical as well as the more insidiously existential, including political and cultural marginalization. Major loci of exploration will include gender and sexuality, Israel-Palestine, and the intersection of contemporary identities. Topics include the nature of extremisms within each tradition, the challenges of assimilation and 'modernity,' and the role and nature of citizenship and territory.

ETHICS315S - Philosophy and Ethics of Sport

Subject: ETHICS  
Catalog Number: 315S  
Title: Philosophy and Ethics of Sport

Description:
An examination of ethical issues and dilemmas of sport in the modern world. Topics to be discussed include amateurism, the NCAA and college athletics, performance enhancement, money in college and professional sport, gambling, the athlete as a role model, and the coach as sage. Inevitably, consideration of these issues will lead to a discussion of wider issues, such as the value of sport and the role of sport in the 'good life'. Students will write two short papers examining particular ethical dilemmas, and will write a longer term-ending paper which evaluates in depth one of the issues raised in the course of the semester. Instructor consent required.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>ETHICS316S</td>
<td><strong>Self-Knowledge and the Pursuit of Wisdom</strong></td>
<td>This course looks to the Classical Tradition for guidance on how to grow in wisdom through a deeper knowledge of the self in relation to others. Students explore questions of personal meaning and significance by reading literary, philosophical, and biographical classics of the Western Tradition. Focus on wisdom and fulfillment in life, and the means for attaining them through friendship and community. Topics include: wisdom, conscience, happiness, justice, passion, moderation, guilt, shame, excellence, character, purpose, prudence, and choice. Authors may include Homer, Vergil, Sophocles, Plato, Aristotle, Epictetus, Seneca, Marcus Aurelius, St. Paul, Augustine, Calvin, Hobbes, Spinoza.</td>
</tr>
<tr>
<td>ETHICS318</td>
<td><strong>The Seven Deadly Sins: Representing Vice and Virtue in Christian Tradition</strong></td>
<td>This course will trace the motif of the seven deadly sins in Western tradition, exploring two methods of understanding human psychology and behavior: the philosophical school of virtue ethics, which provides an account of how our actions and habits shape our characters and identities, and the artistic technique of allegory, which externalizes our inner life in vivid, sometimes shocking images, characters, and stories. Readings are drawn from philosophy (Aristotle, Aquinas), literature (Dante, Chaucer, Spenser), art (Giotto, Bosch), and present-day pop culture. Course assignments include both analytical essays and creative projects.</td>
</tr>
<tr>
<td>ETHICS320S</td>
<td><strong>Narrative and Moral Crisis</strong></td>
<td>It is often said that literature encourages ethical reflection, and even that it somehow fortifies our disposition to behave in ethical ways. This class will consider a different possibility, that literature, or narrative more generally, often represents or provokes circumstances of extreme moral uncertainty. Such uncertainty, sometimes focused in a moment of decision and sometimes arising from a clash of perspectives, can gather around characters, narrators, authors, and even readers. We will be focusing on a few works of literary and cinematic art, ranging from the Book of Genesis to Ian McEwan's Atonement, in which moral issues emerge with particular urgency and complexity.</td>
</tr>
<tr>
<td>ETHICS321S</td>
<td><strong>Buddhist Ethics</strong></td>
<td>Survey of various Buddhist understandings of ethics, both classical and contemporary. How different Buddhist communities have responded to such ethical problems as the existence of evil, war, injustice, and suffering as well as contemporary Buddhist debates over abortion, ethnic fratricide, human rights, environmental problems, economic justice, and cloning.</td>
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<tr>
<td>Subject</td>
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<tr>
<td>ETHICS325</td>
<td>325</td>
<td>How to Live and How to Die: Death, Dying, and the Afterlife from Confucius to Cryonics</td>
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<tr>
<td>ETHICS344</td>
<td>344</td>
<td>Global Health as an Ethical Enterprise</td>
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<td>ETHICS345S</td>
<td>345S</td>
<td>Muslim Ethics and Islamic Law: Issues and Debates</td>
</tr>
<tr>
<td>ETHICS365</td>
<td>365</td>
<td>How to Rule the World: Empire and Global Governance from Greece to America</td>
</tr>
</tbody>
</table>

**Description**

Death is one of the only completely universal human experiences, yet we resist talking about it in our everyday lives. In this course, we will investigate some of the biggest questions and issues surrounding death. We will first examine the different ways that philosophical and religious traditions have conceived of death and problems that these conceptions may raise. In the second half of our course we will focus on how death affects our actions and choices in life. How does the prospect of impermanence shape the way we live? Are there causes that are worth dying for? How should we prepare for death? Should we use new technologies to extend our lives and 'cheat' death?

Introduces the challenges of living an ethical life when conceived as an expression of compassion for distant strangers. Considers the organization of compassion into the multi-billion dollar political-economic enterprise of global health. Explores tensions between global health as an ethical enterprise and the political-economic realities of the high-income countries and multinational organizations that fund global health and support a vast development industry populated by thousands of non-governmental organizations, pharmaceutical and chemical corporations, and countless organizations dedicated to the advancement of medicine and health science. Fulfills global health ethics requirement.

Premodern judicial arrangements and the contestations surrounding their modern incarnations. Topics include bioethics, gender and family law, war and peace, environmental issues, and political ethics.

From Babylon and Persia to Greece and Rome, empires have risen and fallen, but they always seem to make a comeback. Their defenders point to the stability they bring to a chaotic world. Their detractors point to the harsh rule required to maintain them. This course will explore arguments for and against empire, drawing on history, philosophy, and political theory, with a special focus on the Greeks and Romans. Then, in light of the parallel problems of empire and global governance, we will ask what lessons we can learn for the practice of international affairs today. Contemporary topics will include global institutions, foreign intervention, East Asia policy, and NATO and Eastern Europe.
<table>
<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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<tbody>
<tr>
<td>ETHICS373S</td>
<td>373S</td>
<td>Islamic Mysticism</td>
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<tr>
<td>Description</td>
<td></td>
<td>This course introduces the history and key concepts of Islamic spirituality through the lives, writings, institutions, and influence of Muslims sages, ascetics, and saints across Africa, Europe, Asia, and the Americas. Critical topics include Sufi origins, psychology, healing, music, poetry, politics, and the aspiration to beautify one’s self and society through connection with the Divine.</td>
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<tbody>
<tr>
<td>ETHICS374S</td>
<td>374S</td>
<td>Watchdog News and Storytelling: Changing Forms of Accountability Journalism</td>
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<tr>
<td>Description</td>
<td></td>
<td>Focus on evolving styles of explanatory reporting and investigative journalism. Practice fundamental research and writing techniques that journalists use to reveal complex issues and hold powerful institutions and people accountable. Identify sources, develop interviewing skills, and tap public records. Analyze stories that can serve as engaging models for your assignments, such as fact-checks, solutions-focused articles, and first-person accounts that turn the reporting process into a narrative device. Learn about editorial rules and writing conventions, including their ethical underpinnings and the role of objective methods. Talk with guest journalists about their experiences.</td>
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<tbody>
<tr>
<td>ETHICS375</td>
<td>375</td>
<td>Reproductive Ethics</td>
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<tr>
<td>Description</td>
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<td>This class examines the role that technology, globalization, late capitalism, ideas about health and ability, and advances in feminist theory play in human reproduction. It will investigate new frontiers of reproductive technology, and try to understand the many different ways of using and viewing interventions such as IVF, surrogacy, and embryo selection. We will examine popular ideas about 'the perfect child,' and how the issue of abortion intersects and competes with the quest for healthier, able-bodied children.</td>
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<tr>
<th>Subject</th>
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<tbody>
<tr>
<td>ETHICS387</td>
<td>387</td>
<td>Reimagining the World Together: Why Friendship Matters for Our Future</td>
</tr>
<tr>
<td>Description</td>
<td></td>
<td>Explores friendship and why it matters in the frenzied world of 'likes' and 'swipes.' The average Facebook user has 155 friends. Instagram added a 'Close Friends' feature to distinguish friends from followers. Social media has weakened our sense of friendship. Still, Facebook users say that, of those 155 friends, they would trust only four in a crisis. Pursues the importance of friendship, not only as a place of private refuge but as a relationship of trust that facilitates insight and innovation and that has public purchase. Classes center on conversations between pairs of friends who bring their friendship, their work, and their imaginations to bear on the shape of the world in the future.</td>
</tr>
</tbody>
</table>
ETHICS388S - Refugee Policy and Practice (DukeImmerse)

Subject: ETHICS
Catalog Number: 388S
Title: Refugee Policy and Practice (DukeImmerse)

Description:
Uses current debates around refugee law and policy as the context in which to develop basic quantitative research design and analysis skills. Course may include data collection with resettled refugee locally and in Jordan and in Nepal. Only open to DukeImmerse students. Instructor consent required.

ETHICS389S - Field Ethics (DukeImmerse)

Subject: ETHICS
Catalog Number: 389S
Title: Field Ethics (DukeImmerse)

Description:
An introduction to qualitative research design and analysis including interviewing, ethnography, focus groups as well as a variety of visual methods, including mapping and photo elicitation. Emphasis on the ethics of research design, implementation, and presentation and ethics of research with vulnerable populations. Students will collect refugee life stories as the basis of a documentary theater production they will write and perform as their final project. Course may include field research in Jordan and Nepal. Open only to DukeImmerse students. Instructor consent required.

ETHICS390 - Special Topics in Ethics

Subject: ETHICS
Catalog Number: 390
Title: Special Topics in Ethics

Description:
Topics vary by semester.

ETHICS390A - Duke-Administered Study Abroad: Special Topics in Ethics

Subject: ETHICS
Catalog Number: 390A
Title: Duke-Administered Study Abroad: Special Topics in Ethics

Description:
Topics differ by section.

ETHICS390S - Special Topics in Ethics

Subject: ETHICS
Catalog Number: 390S
Title: Special Topics in Ethics

Description:
Topics vary by semester.

ETHICS401S - The Adventure of Citizenship: Lives of Civic Engagement

Subject: ETHICS
Catalog Number: 401S
Title: The Adventure of Citizenship: Lives of Civic Engagement

Description:
What does it mean to be a citizen and live a civic life? In this course students will integrate academic content with their own community based experiences to understand and critique their understandings of civic engagement and social change. Students will reflect on their Duke experience and begin to chart their post Duke futures. They will gain knowledge of the historical context of democratic citizenship, understanding of the relationship between theory and practice, and familiarity with the contestations of civic engagement that emerge from considerations of race, class, and gender. Students will undertake independent projects to study those who have lived civic lives.
ETHICS402 - The Problem of Evil: God, Evil, Suffering, Sin, Meaning of Life, and Philosophy of Religion

Description
'The problem of evil' as the challenge of reconciling the existence of an absolutely perfect being (Omnipotent, Omniscient, and omnibenevolent God) with the existence of sin and suffering has one of the greatest problems of intellectual history from ancient to modern times. The problem of evil effects the 'meaning of life' deeply, so it is not exclusive to the monotheists, and involves atheists as well. This is an introduction to the problem of evil, and explores its major issues and concepts: the logical problem of evil, the evidential problem of evil, soul-making theodicy, natural law theodicy, process theodicy, anti-theodicy, free will defense, reformed epistemology, and skeptical theism.

ETHICS404S - Ethics of Hope

Description
Hope involves the expectation or desire for good things to happen. Yet, does this set up people for despair when hopes get dashed or have no possibility of realization? Or, is the conjuring of something better—somewhere, sometime—what enables life to be sustained in the face of difficulties or just the daily grind of making do? In this class we raise the issue of the ethics, politics, and tactics of hope, drawing on philosophy, feminism, and anthropology.

ETHICS450S - What Should I Do With My Life? The Art of Choosing Well

Description
How can you make the choices that lead to a good life? And what does this even mean? This course provides the opportunity to ponder, critique, and reflectively engage diverse perspectives on a life well-lived. We'll explore topics such as purpose, meaning, accomplishment, success, failure, character, habits, friendship, community, and responsibility. Readings, exercises, and discussion will invite students to examine their present lives and develop a thoughtful and practical vision for their lives after Duke. For seniors only.

ETHICS481 - Modern Catholic Writing: Faith, Witness, Ecology

Description
This course surveys literature that is 'Catholic' in a broad sense of the term that was written between the 16th century and the present. Three themes are explored: 1) the relationship of place and cultural location to writing, the role of faith and witnessing to the faith in its interplay with the autonomy and creativity of the artist, and 3) the question of the land and ecological stewardship.
ETHICS487S - Designing Ethics: Exploring the Integration of Ethics into Engineering Curricula

Subject: ETHICS
Catalog Number: 487S
Title: Designing Ethics: Exploring the Integration of Ethics into Engineering Curricula

Description: Many engineering challenges contain thorny moral questions, yet ethical considerations are often secondary to the technical aspects of engineering curricula. In fact, nationwide ethics is rarely addressed in standard engineering disciplinary courses at Duke or elsewhere. This course seeks to provide a blueprint and testing ground for addressing this gap. Students will work to research best practices from the educational and private sectors. Incorporating those insights with a study of the landscape of Engineering design education at Duke, students will design interventions that may be deployed in Duke Engineering classes. Instructor consent required.

ETHICS488 - Designing Interventions for the Prevention of Sexual Assault and Harassment

Subject: ETHICS
Catalog Number: 488
Title: Designing Interventions for the Prevention of Sexual Assault and Harassment

Description: This course's goals are to summarize the problems and practices in sexual harassment intervention and training by conducting a review of the literature; examine the potential role of courage and self-awareness, as well as the ways these characteristics could be developed in individuals and incorporated into interventions; and to develop designs that utilize these insights. Instructor consent required.

ETHICS489 - Preventing Sexual Misconduct on University Campuses

Subject: ETHICS
Catalog Number: 489
Title: Preventing Sexual Misconduct on University Campuses

Description: This Bass Connections project's goals are to summarize the problems and practices in sexual harassment intervention and training by conducting a review of the literature; examine the potential role of courage and self-awareness, as well as the ways these characteristics could be developed in individuals and incorporated into interventions; and to develop designs that utilize these insights. Instructor consent required.

ETHICS490S - Special Topics Seminar in Ethics

Subject: ETHICS
Catalog Number: 490S
Title: Special Topics Seminar in Ethics

Description: Special topics in ethics seminar course. Topics vary each semester offered.
<table>
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<tr>
<th>Subject</th>
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</thead>
<tbody>
<tr>
<td>ETHICS493</td>
<td>493</td>
<td>Research Independent Study</td>
<td>Individual research in field of special interest under the supervision of a faculty member, the central goal of which is a substantive paper or written report containing significant analysis and interpretation of a previously approved topic. Consent of instructor is required.</td>
</tr>
<tr>
<td>ETHICS497S</td>
<td>497S</td>
<td>Capstone Seminar: Ethics &amp; Society Certificate</td>
<td>This intensive senior seminar is the capstone for the Ethics &amp; Society Certificate. The students choose a topic, read about and discuss that topic, and then write a book together on that topic, editing each other’s chapters. Students bring together interdisciplinary insights from previous work in the certificate program and work collaboratively to produce their book. Instructor consent required. This course is only open to seniors pursuing the Ethics &amp; Society Certificate.</td>
</tr>
<tr>
<td>ETHICS89S</td>
<td>89S</td>
<td>Special Topic: First-Year Seminar in Ethics</td>
<td>First-year seminar course. Topics vary each semester offered.</td>
</tr>
<tr>
<td>EVANTH101</td>
<td>101</td>
<td>Introduction to Evolutionary Anthropology</td>
<td>The study of human origins, anatomy, and behavior from an evolutionary perspective. The historical development of pre-Darwinian evolutionary thinking and Darwin’s contribution to evolutionary theory; genetics; microevolution and macroevolution; the modern synthesis framing the study of human origins and behavior in the context of modern evolutionary biology; primate behavioral ecology and evolution; a survey of primate and human paleontology, adaptation and variation; the origins of human social organization and culture; the impact of modern humans on biodiversity.</td>
</tr>
</tbody>
</table>
EVANTH101D - Introduction to Evolutionary Anthropology

Subject: EVANTH
Catalog Number: 101D
Title: Introduction to Evolutionary Anthropology

Description:
The study of human origins, anatomy, and behavior from an evolutionary perspective. The historical development of pre-Darwinian evolutionary thinking and Darwin’s contribution to evolutionary theory; genetics; microevolution and macroevolution; the modern synthesis framing the study of human origins and behavior in the context of modern evolutionary biology; primate behavioral ecology and evolution; a survey of primate and human paleontology, adaptation and variation; the origins of human social organization and culture; the impact of modern humans on biodiversity. Lecture is the same as Evolutionary Anthropology 101, but adds a 50 minute discussion section with hands-on access to fossil casts, etc.

EVANTH190 - Topics in Evolutionary Anthropology

Subject: EVANTH
Catalog Number: 190
Title: Topics in Evolutionary Anthropology

Description:
Topics in evolutionary anthropology. Course intended for non-majors. Topics vary by semester.

EVANTH212FS - Evolution, Society, and Health in Comparative Perspective

Subject: EVANTH
Catalog Number: 212FS
Title: Evolution, Society, and Health in Comparative Perspective

Description:
Evolutionary perspectives on the social factors that predict health, lifespan, and Darwinian fitness. Comparative insight from evolutionary models and research on other species, as well as recent genetic studies of evolutionary history and trait variation in humans. Topics include: mechanisms of evolution, the long-term consequences of early life adversity, social environmental effects on health, the genetics of socially relevant traits. Open only to students in the FOCUS program.

EVANTH215S - Genetics and Genomics of Human Variation

Subject: EVANTH
Catalog Number: 215S
Title: Genetics and Genomics of Human Variation

Description:
Research over the last 50 years has demonstrated that the human species is characterized by low genetic diversity and extensive recombination. Yet, social constructions of ‘race’ based on phenotypic differences are ingrained in our understanding of how humans vary. This course will uncover how the human species varies at the genetic and genomic levels, in the context of other primate species. Given this background, we will discuss the social construction of ‘race’ and the intersection of macroevolution, genetics, and phenotype. Finally, we will explore current research that suggests a genetic or epigenetic basis for perceived racial health disparities and outcomes in biomedicine. Open only to Duke Immerse students. Instructor consent required.

EVANTH220 - Human Evolution

Subject: EVANTH
Catalog Number: 220
Title: Human Evolution

Description:
Evolutionary biology of the hominidae. Anatomical and behavioral adaptations and phylogeny of fossils and living primates including Homo sapiens. Prerequisite: Evolutionary Anthropology 101 or equivalent.

EVANTH221S - Becoming Human

Subject: EVANTH
Catalog Number: 221S
Title: Becoming Human

Description:
Evolution of key features that make humans such unusual animals, including bipedalism, large brains, social complexity, language, the arts, and reliance on technology. Emphasis is on evidence from the prehistoric record but includes insights from genomics and living populations.
<table>
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<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>EVANTH230</td>
<td>230</td>
<td>Bodies of Evidence: Introduction to Forensic Anthropology</td>
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<tr>
<td>EVANTH231L</td>
<td>231L</td>
<td>Anatomy of the Lower Extremities</td>
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<tr>
<td>EVANTH235L</td>
<td>235L</td>
<td>Primate Anatomy</td>
</tr>
<tr>
<td>EVANTH246</td>
<td>246</td>
<td>Sociobiology</td>
</tr>
<tr>
<td>EVANTH253</td>
<td>253</td>
<td>Primate Ecology</td>
</tr>
<tr>
<td>EVANTH257</td>
<td>257</td>
<td>Ecology and Adaptation of Hunters and Gatherers</td>
</tr>
</tbody>
</table>

**Description**

**EVANTH230 - Bodies of Evidence: Introduction to Forensic Anthropology**

An introduction to medicolegal anthropology and death investigation. Topics include crime scene protocol and body recovery, basics of osteology, determining time since death, making personal identification, determining the manner and mode of death, postmortem modification of skeletal remains, protocols for mass disasters, human rights applications, and courtroom testimony. Open to both majors and non-majors.

**EVANTH231L - Anatomy of the Lower Extremities**

Introduction to the functional anatomy of the lower extremities. Students locate, identify, and dissect all major muscular, nervous, vascular, bony, and soft tissue structures using cadaveric specimens. Students participate in the dissection.

**EVANTH235L - Primate Anatomy**

The comparative anatomy of primates from the perspective of adaptation and phylogeny. Laboratory includes study of bones, fossil casts, prosections of nonhuman primates. Prerequisite: Evolutionary Anthropology 101.

**EVANTH246 - Sociobiology**

Sociobiological theory reviewed and applied to the social behavior of non-human animals, hominids, and humans; the evolution of altruism, cooperation, competition, mating strategies, parental care and morality. Prerequisite: Evolutionary Anthropology 101 or Biology 202L.

**EVANTH253 - Primate Ecology**

Ecological theory with an emphasis on primates. Primate diversity and biogeography, concept of the niche; dietary specializations, habitat use, predator-prey interactions, plant-animal interactions, community ecology, human ecology; methods used in primate ecology; the role of ecology in conservation. Periodic labs (held during lecture hour) include methods used to characterize forests, tests of niche differentiation and morphological adaptations to different habitats. Prerequisite: Evolutionary Anthropology 101 or Biology 202L.

**EVANTH257 - Ecology and Adaptation of Hunters and Gatherers**

The ecology of extant and extinct foraging societies; focus on human behavioral solutions to subsistence problems associated with different environments (tropical/neotropical forest, boreal forest, coastal, arctic, grassland/savannah, desert). Topics include edible resource distribution in varied environments and its relationship to mobility and subsistence strategies in modern hunter-gatherers; and the archeological and fossil evidence for the evolution of human subsistence behavior. Prerequisite: Evolutionary Anthropology 101 or Biology 202L.
**EVANTH260 - Human Cognitive Evolution**

**Subject**
EVANTH

**Catalog Number**
260

**Title**
Human Cognitive Evolution

**Description**
Survey of methods/theories used in the study of human cognitive evolution; development of cognition in children; brain damaged patients; cognitive abilities of great apes; paleoanthropology of early and modern humans and evidence for mental abilities and culture; cross-cultural and sex differences in human cognition; genetics and the evolution of cognition. Recommended prerequisite: Evolutionary Anthropology 101 or Psychology 102.

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**EVANTH285 - Evolutionary Medicine and Global Health**

**Subject**
EVANTH

**Catalog Number**
285

**Title**
Evolutionary Medicine and Global Health

**Description**
Covers evolutionary approaches to understand human health at a global scale. Integration of evolutionary thinking and medical science provides new insights to a wide array of medical issues including obesity, cancer, allergies, and mental illness. Evolutionary perspectives reveal why some pathogens are more harmful than others, shed light on the origins and spread of infectious diseases in humans, and help in controlling antibiotic resistance. Evolutionary approaches provide insights as to why we age and provide solutions to alleviate human health problems that often differ from modern medical practice. Course will place these perspectives in the context of global health challenges.

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**EVANTH315S - Human Biological Variation**

**Subject**
EVANTH

**Catalog Number**
315S

**Title**
Human Biological Variation

**Description**
This course covers biological variation in humans at the genetic and physiological/anatomical levels from an evolutionary and ecological perspective. Specifically, we will discuss shared human evolutionary traits, how past population movement has influenced the current distribution of humans around the globe, the concept and science of ancestry, evolutionary adaptation in humans, developmental adaptation and acclimatization, accommodation, epigenetic variation, biocultural adaptation, and health. Recommended prerequisite: EVANTH101 or BIO202.

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**EVANTH318 - Human Evolutionary Genetics**

**Subject**
EVANTH

**Catalog Number**
318

**Title**
Human Evolutionary Genetics

**Description**
An evolutionary perspective on human genetics and genomics, with an emphasis on current models and inference methods using medically important examples. The mechanisms of evolution shaping human genetic variation, as well as inference of evolutionary processes from genetic data. Topics include: population differences in disease risk; adaptation to local environments and pathogens; identifying regions of the genome underlying traits; models of neutral variation, migration, and genetic ancestry. Computational and quantitative skills will be emphasized throughout. Recommended prerequisite: Evolutionary Anthropology 101D, Biology 202, or equivalent; some probability and programming background helpful but not required.
**EVANTH330 - Human Evolutionary Physiology**

**Subject**
EVANTH

**Catalog Number**
330

**Title**
Human Evolutionary Physiology

**Description**
In this course we investigate human physiology using a systems-based and evolutionary approach. The primary course objective is to understand how the human body functions and how evolution has shaped our physiology. We also examine how our physiology responds to local environments (diet, climate, stress, etc.) in ways that affect our health and contribute to human diversity. For each system (cardiopulmonary, immune, nervous, digestive, reproductive, musculoskeletal, etc.) we examine the anatomy involved and its integrated physiological functioning. Recommended prerequisite: Evolutionary Anthropology 101 or introductory biology.

---

**EVANTH333L - The Human Body**

**Subject**
EVANTH

**Catalog Number**
333L

**Title**
The Human Body

**Description**
Human gross anatomy seen from a functional and evolutionary perspective. Laboratory involving study of prospected cadavers and other anatomical preparations. Previous experience in anatomy (e.g., Primate Anatomy or Human Osteology) is recommended but not required.

---

**EVANTH334L - Human Osteology**

**Subject**
EVANTH

**Catalog Number**
334L

**Title**
Human Osteology

**Description**
An introduction to the basics of human osteological analysis. Identification and siding of all the bones of the human body and the major osteological landmarks on each bone; basics of bone histology, development and growth; and fundamentals of anthropological analysis of human skeletal remains (archeological treatment of burials; determination of gender, populational affinities, stature; paleopathological analysis; medicolegal applications). Prerequisite: Evolutionary Anthropology 101 or Biology 202L.

---

**EVANTH336S - Dance Science: An Evolutionary Approach**

**Subject**
EVANTH

**Catalog Number**
336S

**Title**
Dance Science: An Evolutionary Approach

**Description**
Exploration of the origins of human dance through studies of non-human ‘dance’ and entrainment, representations of dancing figures in the archaeological record, and evolutionary changes in the human body that allow for the extraordinary flexibility of human dance. Lab based studies of evolutionary changes in the human body. Learn about dance injuries and how the brain processes observed movement, as well as many other areas in which dance and science intersect.

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**EVANTH337L - Functional Anatomy of the Human Brain**

**Subject**
EVANTH

**Catalog Number**
337L

**Title**
Functional Anatomy of the Human Brain

**Description**
Functional anatomy of the human brain and spinal cord with team-based learning approaches and laboratory-based discovery. Hands-on examination of human specimens with guided explorations of external and internal brain structures and dissections to facilitate discovery. Extensive use of interactive digital media to explore CNS anatomy and the organization of the major neural systems underlying sensory, motor and cognitive function. Analysis of actual clinical cases representing a variety of neurological disorders. Consideration of brain evolution and comparative neuroanatomy. Prior completion of Neuroscience 101/102 or 201 or Evolutionary Anthropology 101 highly recommended.

---

**EVANTH341 - Primate Sexuality**

**Subject**
EVANTH

**Catalog Number**
341

**Title**
Primate Sexuality

**Description**
A comparative and integrative study of primate sex and reproduction. The material is presented in three sections: the first focuses on primate social organization, mating systems, and reproductive strategies; the second focuses on the endocrine system and behavioral endocrinology; and the third focuses on sexual differentiation of morphology, brain and behavior. In each section, this course places human sexuality within the broader context of the primate order. Prerequisites: Evolutionary Anthropology 101D or Biology 202L or 203L.
### EVANTH341D - Primate Sexuality

**Subject** | **Catalog Number** | **Title**  
--- | --- | ---  
 EVANTH | 341D | Primate Sexuality  

**Description**  
A comparative and integrative study of primate sex and reproduction. The material is presented in three sections: the first focuses on primate social organization, mating systems, and reproductive strategies; the second focuses on the endocrine system and behavioral endocrinology, and; the third focuses on sexual differentiation of morphology, brain and behavior. In each section, this course places human sexuality within the broader context of the primate order. Note: course is the same as Evolutionary Anthropology 341 but with an additional required 50 minute discussion. Recommended prerequisite: Evolutionary Anthropology 101D or Biology 202L or 203L.

### EVANTH344L - Primate Field Biology

**Subject** | **Catalog Number** | **Title**  
--- | --- | ---  
 EVANTH | 344L | Primate Field Biology  

**Description**  
Survey of field methods used to document primate behavior. Laboratory includes observations of free-ranging and captive primates at the Duke Lemur Center. Focus on the scientific process and writing of formal research papers. Prerequisite: Evolutionary Anthropology 101 or Biology 202L.

### EVANTH347D - Behavioral Ecology and the Evolution of Animal Behavior

**Subject** | **Catalog Number** | **Title**  
--- | --- | ---  
 EVANTH | 347D | Behavioral Ecology and the Evolution of Animal Behavior  

**Description**  
How animal behavior is shaped by natural selection, historical factors, and ecological constraints. These factors considered in the context of mating systems, parental care, foraging, and other current issues in behavior. Recommended prerequisite: Biology 202L or 203L.

### EVANTH347D-1 - Behavioral Ecology and the Evolution of Animal Behavior

**Subject** | **Catalog Number** | **Title**  
--- | --- | ---  
 EVANTH | 347D-1 | Behavioral Ecology and the Evolution of Animal Behavior  

**Description**  
How animal behavior is shaped by natural selection, historical factors, and ecological constraints. These factors considered in the context of mating systems, parental care, foraging, and other current issues in behavior. Does not carry codes for research- (R) or writing- (W) intensive course. Recommended prerequisite: Biology 202L or 203L.

### EVANTH359S - Primate Conservation

**Subject** | **Catalog Number** | **Title**  
--- | --- | ---  
 EVANTH | 359S | Primate Conservation  

**Description**  
Concepts, practice, and ethics of conservation biology, both at the species and community level. Relevant aspects of biogeography, ecology, behavior and demography; human impact (deforestation, hunting); conservation strategies/policies (objectives, design of protected area networks, impact on local human populations). Impact of cultural, political, ethical considerations on primate conservation. Evolutionary Anthropology 101 recommended.

### EVANTH363S - Animal Intelligence and the Social Brain

**Subject** | **Catalog Number** | **Title**  
--- | --- | ---  
 EVANTH | 363S | Animal Intelligence and the Social Brain  

**Description**  
Complexity of animals’ social lives, with focus on cognitive implications of sociality on acquisition, expression, and transmission of knowledge. Topics include: discrimination & insight learning; social influences on behavior; tool use & causality; traditions & cultural transmission; mechanisms of recognition, knowledge of social domain; prosociality & play; coalitions, cooperation, & reciprocity; conflict, punishment, & reconciliation; vocal & gestural communication; sharing; language & instruction; knowing what others know; self recognition & social monitoring; tactical deception & social manipulation; social norms/morality. Prerequisite: EwAnth 101 or Bio 202.
## EVANTH385D - Primate Disease Ecology and Global Health

**Subject**  
EVANTH

**Catalog Number**  
385D

**Title**  
Primate Disease Ecology and Global Health

**Description**  
Covers concepts of disease ecology, with specific application to primates, human evolution, and global health. Explores the epidemiology and evolution of infectious diseases through the primary literature, focusing on infectious diseases of wild primates, humans, and other mammals. Students learn about the diversity of infectious diseases found in humans, and the basics of epidemiology, disease evolution and emergence, and primate behavioral ecology. Students also gain experience in thinking critically about scientific research, identifying interesting research questions, and communicating science to others. Prerequisite: Evolutionary Anthropology 101/101D or introductory-level biology.

## EVANTH390 - Current Issues in Evolutionary Anthropology

**Subject**  
EVANTH

**Catalog Number**  
390

**Title**  
Current Issues in Evolutionary Anthropology

**Description**  
Selected topics in methodology, theory, or area.

## EVANTH390S - Current Topics in Evolutionary Anthropology

**Subject**  
EVANTH

**Catalog Number**  
390S

**Title**  
Current Topics in Evolutionary Anthropology

**Description**  
Same as Evolutionary Anthropology 390 except in seminar format.

## EVANTH391 - Independent Study

**Subject**  
EVANTH

**Catalog Number**  
391

**Title**  
Independent Study

**Description**  
Directed reading, tutorial, or individual project in Evolutionary Anthropology, under the supervision of a faculty member, resulting in a substantive paper or other approved product. Open only to qualified students, who, before being given permission to register, must submit to the faculty advisor a written proposal outlining the area of study and listing course goals and meeting schedule. The area of study must be connected to discipline of Evolutionary Anthropology. Consent of instructor and director of undergraduate studies required.

## EVANTH393 - Research Independent Study

**Subject**  
EVANTH

**Catalog Number**  
393

**Title**  
Research Independent Study

**Description**  
Individual research under the supervision of a faculty member resulting in a substantive paper or written report. Projects typically include background research, formulation of hypotheses and predictions, data collection, data analysis and interpretation of results. Area of study must be connected to discipline of Evolutionary Anthropology. Open only to qualified students, who, before being given permission to register, must submit to the faculty advisor a written proposal outlining the area of study and listing the goals and meeting schedule. Consent of instructor and director of undergraduate studies required.

## EVANTH434L - Advanced Osteology

**Subject**  
EVANTH

**Catalog Number**  
434L

**Title**  
Advanced Osteology

**Description**  
This laboratory-based course will focus on the inference of life history traits from human skeletal material. Topics will include hands-on training in biological profile assessment (age, sex, stature, ancestry) and pathology, diet, and activity level analyses. Students will be able to complete an independent full skeletal report by the conclusion of the course and think critically about the analyses that are applied to the human skeleton. The ethics of using human skeletal remains in research will be discussed throughout the semester. Prior anatomy or functional morphology coursework is recommended.

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Duke University
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<tr>
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<th>Title</th>
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<tbody>
<tr>
<td>EVANTH490S</td>
<td>490S</td>
<td>Advanced Current Topics in Evolutionary Anthropology</td>
<td>Current topics in Evolutionary Anthropology taught at the advanced level.</td>
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<tr>
<td>EVANTH495S</td>
<td>495S</td>
<td>Advanced Research in Evolutionary Anthropology</td>
<td>Advanced research in Evolutionary Anthropology topic, typically leading to Graduation with Distinction. Course includes a one-hour weekly seminar on topics such as hypothesis testing, writing proposals, research design, data analysis with a strong emphasis on writing. Students will complete the introduction (literature review) and methods of their thesis along with a tentative results. Students are also expected to work with a faculty mentor conducting original research equivalent to a research independent study. Instructor consent required.</td>
</tr>
<tr>
<td>EVANTH89S</td>
<td>89S</td>
<td>First-Year Seminar</td>
<td>Topics vary each semester offered.</td>
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<tr>
<td>FMKT390</td>
<td>390</td>
<td>Selected Topics in Financial Markets</td>
<td>Topics vary by semester. Prerequisite: Economics 101D. Check individual semester offerings for additional prerequisites.</td>
</tr>
<tr>
<td>FMKT390S</td>
<td>390S</td>
<td>Selected Topics in Financial Markets</td>
<td>Topics vary by semester. Prerequisite: Economics 101D. Check individual semester offerings for additional prerequisites.</td>
</tr>
<tr>
<td>FOCUS195FS</td>
<td>195FS</td>
<td>Special Topics in Focus</td>
<td>Forum for discussing and bridging the varied interdisciplinary issues that arise within the individual Focus Program seminars. May include group discussion, readings, guest lectures, film viewings, and other educational activities. Open only to participants in the Focus Program. Satisfactory/Unsatisfactory grading only.</td>
</tr>
</tbody>
</table>
FRENCH101 - Elementary French 1
Subject: FRENCH
Catalog Number: 101
Title: Elementary French 1
Description: The course offers an introduction to the French language, and aspects of French and Francophone cultures via interactive content and classes. Students build a strong foundation to communicate and exchange with French speakers in varied social interactions, comprehend short, authentic materials, and share opinions on personal and societal topics. Equal attention to speaking, listening comprehension, reading, and writing. Conducted in French. Open to students who have never studied French before, or who have studied French for no more than 2 years in high school.

FRENCH102 - Elementary French 2
Subject: FRENCH
Catalog Number: 102
Title: Elementary French 2
Description: The course builds on the elements of the language acquired in French 101 and offers continued engagement with aspects of French and Francophone cultures via interactive content and classes. Students continue to develop their ability to communicate and exchange with French speakers in varied social interactions, comprehend authentic materials, and share opinions on personal and societal topics. Equal attention to speaking, listening comprehension, reading, and writing. Conducted in French. Recommended prerequisite: French 101 or equivalent.

FRENCH111 - Intensive Elementary French
Subject: FRENCH
Catalog Number: 111
Title: Intensive Elementary French
Description: This 2-credit course covers the elementary French 101-102 sequence in one semester. Offers an intensive introduction to the French language and aspects of French and Francophone cultures via interactive content and classes. Students build a strong foundation to communicate and exchange with French speakers in varied social interactions, comprehend authentic materials, and share opinions on personal and societal topics. Students also begin to develop insight into their language and culture, including discussions of language and identity, and multilingualism. Open to students who have never studied French before, or who have studied French for no more than 2 years in high school.

FRENCH112 - Accelerated Elementary French
Subject: FRENCH
Catalog Number: 112
Title: Accelerated Elementary French
Description: This 1-credit course is designed for students with 2-3 years of high school French whose language proficiency places them between French 101 and French 102. The interactive, accelerated format builds proficiency in the structures and vocabulary necessary to communicate with French speakers in a variety of basic interpersonal situations, comprehend short, authentic materials, and share opinions on personal, cultural, and societal topics. After completing French 112, students will be prepared to enroll in French 203.
FRENCH203 - Intermediate French Language and Culture

Subject: FRENCH
Catalog Number: 203
Title: Intermediate French Language and Culture

Description:
The first course of the 2-course intermediate French sequence, French 203 builds on the elements of the language acquired in the elementary French 101-102 sequence. Continued engagement with French and Francophone cultures via interactive content and classes. Students expand their ability to communicate in interpersonal, interpretive, presentational, and intercultural settings. Engagement with a variety of authentic materials, discussions, and debates. Equal attention to speaking, listening comprehension, reading, and writing. Conducted in French. Recommended prerequisite: French 102 or French 111, AP French Language and Culture test score of 3, or equivalent.

FRENCH204 - Advanced Intermediate French Language and Culture

Subject: FRENCH
Catalog Number: 204
Title: Advanced Intermediate French Language and Culture

Description:
This advanced intermediate French course focuses on developing more sophisticated interpersonal, interpretive, presentational, and intercultural communication skills. As the semester progresses, you will learn skills in interpreting cinematographic and literary works and gain confidence in your French as you review grammar and vocabulary and learn to express yourselves and understand others in increasingly complex and abstract ways. Guided essay writing on topics related to the readings and discussion. Prerequisite: French 203 at Duke, AP French Language and Culture test score of 4, or equivalent.

FRENCH204A - Advanced Intermediate French Language and Culture: Culture and Sustainability in Tunisia

Subject: FRENCH
Catalog Number: 204A
Title: Advanced Intermediate French Language and Culture: Culture and Sustainability in Tunisia

Description:
Taught at Duke in Tunisia, this advanced intermediate French course focuses on the intersections of culture and sustainability in Tunisia, while developing more sophisticated interpersonal, interpretive, presentational, and intercultural communication skills. This course is for students who still need to reinforce their language skills but are ready for a deeper dive into cultural and societal questions through film, literature, and engagement with the local communities. Recommended prerequisite: French 203 at Duke, or SAT II score of 590-630, or an AP Language Test score of 4.

FRENCH212A - Intensive Intermediate French Language and Culture

Subject: FRENCH
Catalog Number: 212A
Title: Intensive Intermediate French Language and Culture

Description:
This Duke in Aix-en-Provence course covers the intermediate French language curriculum (French 203, 204). Increased attention to grammatical variety and accuracy; guided writing practice; development of second language reading skill with increasing emphasis on critical analysis of cultural and literary texts. Resources include excerpts of nonfiction and literary texts, workshops with guest speakers, grammar and vocabulary supplements. Meets twelve hours/week, plus weekly all-day excursions conducted in French. Prerequisite: French 101-102 or 111 at Duke, or consent of director of language program. Satisfies 2 course requirements for French majors, 1 for minors.
### FRENCH270T-3 - Voices in Global Health: French Tutorial

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<th>Subject</th>
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<tbody>
<tr>
<td>FRENCH</td>
<td>270T-3</td>
<td>Voices in Global Health: French Tutorial</td>
<td>Through practical and theoretical discussions around case studies, visual texts, and interviews in the target language, Voices in Global Health examines emerging health challenges at the local and global level. Through the experiences and knowledge shared from our guest speakers, we will explore the underlying health behaviors and cultural beliefs while producing culturally appropriate health interventions. Tutorials meet weekly for 75-minutes. Prerequisite: 4 semesters of language (French 204) or equivalent – heritage and native speakers are welcome to enroll. Satisfactory/Unsatisfactory. Community-engaged course.</td>
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### FRENCH272T - Voices in the Environment: French

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<th>Subject</th>
<th>Catalog Number</th>
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<tr>
<td>FRENCH</td>
<td>272T</td>
<td>Voices in the Environment: French</td>
<td>In this course, students will explore how language and culture impact environmental policy and practice. Through authentic text, video, and case studies in French, students will analyze environmental issues in the Francophone World to develop their understanding of core issues in the field. Tutorials meet for 75 minutes/week. Taught in French.</td>
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### FRENCH273T - Voices in Public Policy: French Tutorial

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<tr>
<td>FRENCH</td>
<td>273T</td>
<td>Voices in Public Policy: French Tutorial</td>
<td>Students will explore how language and culture impact public policy and practice. Through authentic text, video, and case studies in French, students will analyze public policy issues in the French-speaking world, in order to develop their understanding of core issues in the field. 1/2 credit. S/U. Tutorials meet for 75 minutes/week. Taught in the target language.</td>
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### FRENCH275T-2 - Voices in Marketing: Advertising in French

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<th>Subject</th>
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<th>Description</th>
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<tr>
<td>FRENCH</td>
<td>275T-2</td>
<td>Voices in Marketing: Advertising in French</td>
<td>Discussion-based course trains students to analyze all forms of advertising in French. Classes explore the history and theories of advertising in the francophone world, as well as hands-on strategies for analyzing ads, with particular attention to issues such as translation, localization, and ethics. Tutorials meet weekly for 75 minutes. S/U. Does not count towards MMS certificate program. Prerequisite: French 204 or equivalent.</td>
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<tr>
<td>FRENCH</td>
<td>290A</td>
<td>Duke Administered Study Abroad: Topics in</td>
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<td>French Studies</td>
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**Description**
Topics in French language, literature, and/or culture. Offered as part of a Duke Administered Global Education program.

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<th>Subject</th>
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<tr>
<td>FRENCH</td>
<td>301S</td>
<td>Finding Your Voice in French: The Power of</td>
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<td>Writing</td>
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</table>

**Description**
Develop your authorial voice in French. Whether you want to make readers laugh or cry, how can you use nuance, word choice, a sense of language rhythm to create impact? Study a multitude of texts for inspiration, from Nobel Prize winners to those who rebel and write, or sing, from the margins, using and creating language in powerful and innovative ways. Write in many forms—children's stories, poetry, persuasive speech, essays, literary fiction—expanding the space for self-expression and the power and possibilities of your own multilingualism. Close reading, discussion of craft, journaling and creative writing, workshopping, peer feedback, revision. Prerequisite: French 204, AP score of 5, or equivalent.

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<tr>
<td>FRENCH</td>
<td>302S</td>
<td>Cultural and Literary Perspectives</td>
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</table>

**Description**
Designed to give students having completed the intermediate French 203–204 sequence the reading and writing skills necessary to enter mid-300 level courses in French and Francophone studies. Examines the (re-)negotiation of the French identity through a series of texts and films that introduce students to contemporary Francophone thought. Topics include cultural practices, collective myths, sociolinguistics, and immigration. Prerequisite: French 204 or equivalent. Not open to students who have received a 5 on the AP French Language and Culture Exam.

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<tr>
<td>FRENCH</td>
<td>303S</td>
<td>French for Current Affairs</td>
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</table>

**Description**
A contemporary culture/civilization course on changes and controversies in France today. Includes sources from a variety of print, audio, and visual French media, as well as current cultural, social, economic, and political issues. Also includes political institutions, media, religion, immigration, health, educational systems, foreign policy, and France in the European Union. Equal emphasis is given to written and oral skills. Conducted in French. Recommended prerequisite: French 204, AP French Language and Culture test score of 5, or equivalent.

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<tr>
<td>FRENCH</td>
<td>304S</td>
<td>French Composition and Translation</td>
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**Description**
Advanced translation and stylistics. Cultural and social difference between French and English patterns in written and oral expression. Extensive practice in translation of different types of texts. Equivalencies between French and English. Recommended prerequisite: French 204 or equivalent.

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<tr>
<td>FRENCH</td>
<td>305S</td>
<td>Advanced French Grammar</td>
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**Description**
Intensive study of advanced concepts in French grammar. This course is focused on an in-depth analysis of advanced French grammar through the study of a variety of textual forms. Students will strengthen their skills in written production through writing in multimodal practice.
FRENCH306S - Reading Literature in French

Subject: FRENCH  
Catalog Number: 306S  
Title: Reading Literature in French

Description
What is literature? Why read literature today? And how do we talk about what we read? This seminar offers an initiation to literature in French from the Enlightenment to the digital age. It introduces a wide range of critical and theoretical tools to study literature and its uses, and aims at developing writing and argumentation across a range of literary genres (theater, essay, novel, poetry...). This seminar explores how most urgent political and philosophical issues of the ages can be read through and unraeled within literary texts. Authors studied may include Montesquieu, Diderot, Balzac, Baudelaire, Flaubert, Sartre, Césaire, Michaux, Duras, Fanon, Perec, and Modiano.

FRENCH307S - French Phonetics

Subject: FRENCH  
Catalog Number: 307S  
Title: French Phonetics

Description
Theory and practice of French pronunciation, corrective phonetics, intonation, accentuation, syllabification, elision and liaison. Focus on areas of speech production in French that are generally the most difficult for native speakers of English. Comprehension, dictation, and recitation exercises; interactive video and audio activities; self-assessment tasks; and end-of-term individual improvement grade.

FRENCH308S - Manger: Foodways and Food Systems

Subject: FRENCH  
Catalog Number: 308S  
Title: Manger: Foodways and Food Systems

Description
This course seeks to deepen our understanding of foodways and food systems, and of the roles that nourishment and nourishers play in our lives, while regenerating connections with food practices and food creators through the study of global French narratives, scholarships on foodways and foodscapes, and hands-on, in-person experiences with nourishers in our local community. A strong emphasis on experiential learning, including community engagement in systems of food access and production as well as work with chefs and farmers, and the study of French-language narrative, culinary, scholarly, journalistic writing, and other cultural documents.

FRENCH308SA - Manger: Food and Food Systems in the French-Speaking World

Subject: FRENCH  
Catalog Number: 308SA  
Title: Manger: Food and Food Systems in the French-Speaking World

Description
An exploration of our relationship with food and its cultural and societal roles in French-speaking countries, from French gastronomy to the historical and economic influences that have determined our current systems of food production, what effects those systems have on immigration, equity, and climate, and the movements that seek to bring about changes in the ways people produce and consume food. A strong emphasis on experiential learning, including community engagement in systems of food access and production, as well as work with chefs and the study of French-language narrative, culinary, scholarly, and journalistic writing and other cultural documents. Recommended prerequisite: French 204 or equivalent.
FRENCH315A - Travailler pour vivre: A practicum in French

Subject: FRENCH
Catalog Number: 315A
Title: Travailler pour vivre: A practicum in French

Description:
This course will accompany a 6-week internship in France designed to immerse students in a multicultural professional setting. Empiric knowledge will be supported by academic coursework and close individual follow up by both faculty and interning entity. The course will assist students in developing interpersonal and cultural competencies in the international workplace as we explore the place of work in France. Over the course of the summer session, students will reflect on cross-cultural communication, create reports that demonstrate professional expertise, and research a topic related to their internship experience, culminating in a final project. Prerequisite: French 204 or equivalent.

FRENCH316S - Global Humanities in French

Subject: FRENCH
Catalog Number: 316S
Title: Global Humanities in French

Description:
For students with advanced or native French, a gateway to the French major focusing on global humanities in French. Key French-language humanistic cultural contributions as organized around comparative themes, regions, and eras. From Montesquieu’s Enlightenment Les Lettres persanes to Satrapi’s franco-Iranian graphic memoir Persepolis, the French to the Haitian Revolution, and African philosophy to French existentialism. Cultural objects including novels, films, poems, and paintings, as well as critical and historical writing—in digestible bites. Frequent, diverse writing assignments and group work. A foundation for lifelong cultural navigation/enrichment in French. Recommended prerequisite: native speaker status, AP French exam score of 5, or other advanced French preparation in secondary schooling.

FRENCH321S - Working in French: S’engager dans le monde francophone

Subject: FRENCH
Catalog Number: 321S
Title: Working in French: S’engager dans le monde francophone

Description:
Examines intercultural communication, marketing, sustainability, economic development, and diplomacy in the Francophone world. Designed to build communicative competencies and advanced French language skills, with particular emphasis on how language and culture impact global business environments. Conducted entirely in French. Prerequisite: One French course at the 300-level or instructor permission. Course not open to graduate students or native speakers.

FRENCH325S - Global Displacement: Voix Francophones

Subject: FRENCH
Catalog Number: 325S
Title: Global Displacement: Voix Francophones

Description:
Explores migration and resettlement of Francophone refugees in North America through examination of current policy, law, and practice. Analysis of personal interviews and narratives with attention to ethical questions related to politics of listening to and speaking for other communities. Community-based language component (20 hours) engages students with refugee community in Durham. Conducted in French. Recommended prerequisite: one course at 300-level or equivalent.

FRENCH327S - French Studies Seminar

Subject: FRENCH
Catalog Number: 327S
Title: French Studies Seminar

Description:
A literary, cross-cultural critique focusing on specific topics to be announced. Open only to first years and sophomores. May be repeated if a different topic. Prerequisite: French 204, or SAT II score in French of 640 or higher, or AP score in French of 5.

FRENCH331S - Francophone Literature

Subject: FRENCH
Catalog Number: 331S
Title: Francophone Literature

Description:
Modern literature in French from French-speaking Africa and the French Caribbean. Topics include tradition and modernity; colonization, cultural assimilation, and the search for identity; and women in changing contexts.
### FRENCH332S - Short Stories for Long Lives

**Subject:** FRENCH  
**Catalog Number:** 332S  
**Title:** Short Stories for Long Lives

**Description**  
This course has 2 starting points: 1) Acquiring another language enables writers to express what often can’t be said otherwise. 2) Fiction enables you to write anything true. Major writers are the guides, including Djebar, Marie de France, Hébert, Diop, Balzac, as well as up-and-coming writers. Their works crisscross many times world-wide and are organized to trace the phases defining human life. What – and whom do people desire? How do they work? Why are they caught in conflict? These key questions culminate in a debate on the Vivre-Ensemble – living together – in Algeria, Belgium, France, Lebanon, Québec. French 332 offers an initiation into cultural criticism in French.

### FRENCH335 - Free Speech: Francophone World-USA

**Subject:** FRENCH  
**Catalog Number:** 335  
**Title:** Free Speech: Francophone World-USA

**Description**  

### FRENCH339S - The Pleasure of Reading

**Subject:** FRENCH  
**Catalog Number:** 339S  
**Title:** The Pleasure of Reading

**Description**  
Developing a level of reading proficiency in French comparable to one’s native language. Reading a variety of genres including works by French and francophone authors from mid-nineteenth to the twentieth-first century. Prerequisite: French 204 or equivalent.

### FRENCH343A - Advanced Expression

**Subject:** FRENCH  
**Catalog Number:** 343A  
**Title:** Advanced Expression

**Description**  
Intensive practice in speaking and writing. Offered only in the Duke in France Program.

### FRENCH345A - Aspects of Contemporary French Culture

**Subject:** FRENCH  
**Catalog Number:** 345A  
**Title:** Aspects of Contemporary French Culture

**Description**  
Cultural questions that are associated with contemporary France. French urbanism, mentalities, habits, and social rituals as they appear to be different from American practices. Topics to be announced. Offered only as part of the summer program in Paris.

### FRENCH346AS - Aspects of French Literature

**Subject:** FRENCH  
**Catalog Number:** 346AS  
**Title:** Aspects of French Literature

**Description**  
Concentration on single authors, genres, movements, or themes. Topics to be announced. Offered only as part of summer program in Paris.
FRENCH352A - From Enlightenment Culture to Popular Culture

Subject: FRENCH  
Catalog Number: 352A  
Title: From Enlightenment Culture to Popular Culture

Description
Course constructs a sociological history of French (and partially European) culture by routinely using the city of Paris as an example. Analyzes conflicts inherited by contemporary culture in highlighting major moments that have defined it since pre-revolutionary era. Focuses on theoretical issues raised by each period, and the manner in which sociologists and critical theorists addressed them—from opposition of nature and culture just as it plays out for the pre-romantics, to the criticism of mass-culture by post-modern theorists. Sessions will be chronological, and will introduce and cover principle problems of social sciences. Taught in French through the Duke in France Program.

FRENCH353A - History of Psychology in France and Europe

Subject: FRENCH  
Catalog Number: 353A  
Title: History of Psychology in France and Europe

Description
This course aims to open students to the place psychology holds and how it is presented culturally and socially, as well as exposing them to French psychological practices. To do so, we will identify historical and conceptual landmarks concerning contemporary psychology in France and Europe. Students will focus on the birth and life of psychology, from its 18th-century beginnings to its current applications in France. Such movements as physiology, associationism, psychoanalysis, Gestalt, cognitivism, and social psychology will be scrutinized through readings, lectures, and co-curricular outings to those places in Paris where psychology is put into practice. Taught at Duke in France.

FRENCH366S - Versailles and the Arts

Subject: FRENCH  
Catalog Number: 366S  
Title: Versailles and the Arts

Description
Taught in French, this course examines the political, cultural, and artistic history of Versailles in the 17th and 18th centuries, emphasizing its role in the history of music. It analyzes the ways in which the Sun-King achieved the unification and centralization of the French nation through certain artistic politics which likewise set the scene for musical institutions. This seminar therefore seeks to investigate how these artists' creations articulated evolving ideas around the court, the monarchy, the State, and the private and public spheres, while exploring their resonances in present art and literature.

FRENCH367S - Soundscapes of Migration: Music and Migration in Paris from the Interwar Years to the Present

Subject: FRENCH  
Catalog Number: 367S  
Title: Soundscapes of Migration: Music and Migration in Paris from the Interwar Years to the Present

Description
This class studies migration through the prism of music, focusing on Paris as a node of networks of musical migration. It analyzes how the metropolis has been a site of musical encounters, as well as a recipient, catalyzer, and disseminator of migrating musical practices. It studies music as a transnational and diasporic cultural process. Although our musical journey will be structured chronologically, its frontiers will encompass the soundscapes of the capital's peripheries. The range of music considered will be varied: from the Eastern European classical repertoire and African American Jazz to contemporary Rap, through Algerian Rai and Arab-Andalusian popular music. Taught in French.
### FRENCH371S - Haiti to New Orleans: 19th Century Literary Migrations

**Subject**  
FRENCH

**Catalog Number**  
371S

**Title**  
Haiti to New Orleans: 19th Century Literary Migrations

**Description**  
Former slaves in the Haitian Revolution (1791-1804) defeated French colonialism and founded a free republic. Some Creole planters fled to Cuba with former slaves, but were expelled in 1809 and migrated to Louisiana. We will study 19th century enmeshed literatures, cultures, and languages of Haitian-descended and Haitian-influenced cultures in Louisiana, reading literature by Roquigny, Mercier, and Augustin, and studying Creole and Cajun identities, slave insurrections, native American relationships, plantation and urban cultures, 'placage' and libertinage, ritual cultures from voodoo to Jewish New Orleans, music, mardi gras, and healing traditions. Course taught in French.

### FRENCH375S - Love, Sex, Madness in Caribbean Fiction and Film

**Subject**  
FRENCH

**Catalog Number**  
375S

**Title**  
Love, Sex, Madness in Caribbean Fiction and Film

**Description**  
This course explores the themes of love, sex, and madness as the lenses through which Caribbean writers and filmmakers have challenged traditional ideas of citizenship, family, gender roles, and political power. What, for example, is the connection between a dictatorship in Haiti and women's sexual desire? How does the figure of 'the mad Creole woman' challenge masculinist constructions of national identity in the early years of independence in Africa? How might the love between a mother and child be read as an act of anti-colonial resistance? We will examine these questions through novels, short stories, and films. Recommended prerequisite: French 204 or equivalent.

### FRENCH390 - Topics in French Literature and Culture

**Subject**  
FRENCH

**Catalog Number**  
390

**Title**  
Topics in French Literature and Culture

**Description**  
Specific literary or cultural French or Francophone topics to be announced. May be repeated.

### FRENCH390A - Topics in French Literature and Culture

**Subject**  
FRENCH

**Catalog Number**  
390A

**Title**  
Topics in French Literature and Culture

**Description**  
Topics to be announced. (Offered only in the Duke-in-France Program.)

### FRENCH390A-1 - Topics in French and/or Francophone Culture Abroad

**Subject**  
FRENCH

**Catalog Number**  
390A-1

**Title**  
Topics in French and/or Francophone Culture Abroad

**Description**  
Topics may vary.

### FRENCH390S - Topics in French Literature and Culture

**Subject**  
FRENCH

**Catalog Number**  
390S

**Title**  
Topics in French Literature and Culture

**Description**  
Seminar on specific literary or cultural French or Francophone topics to be announced. May be repeated.
FRENCH390SA - Duke-Administered Study Abroad Seminar: Topics in French Literature and Culture

Subject: FRENCH
Catalog Number: 390SA
Title: Duke-Administered Study Abroad Seminar: Topics in French Literature and Culture

Description: Topics to be announced. (Offered only in the Duke-in-France Program.)

FRENCH391 - Independent Study

Subject: FRENCH
Catalog Number: 391
Title: Independent Study

Description: Individual study in a field of special interest, under the supervision of a faculty member, focusing on scholarship examining the literary, cultural, historical, and sociolinguistic fields of inquiry. The independent study draws heavily on primary and secondary readings, resulting in a substantive, well-written paper or similar final product. Consent of instructor and Director of Undergraduate Studies required.

FRENCH393 - Research Independent Study

Subject: FRENCH
Catalog Number: 393
Title: Research Independent Study

Description: Individual research in a field of special interest, under the supervision of a faculty member, resulting in a substantive paper or written report containing significant analysis and interpretation of a previously approved topic. Open only to qualified juniors by consent of instructor and director of undergraduate studies.

FRENCH394 - Research Independent Study

Subject: FRENCH
Catalog Number: 394
Title: Research Independent Study

Description: See French 393. Open only to qualified juniors by consent of instructor and director of undergraduate studies.

FRENCH410S - Contemporary French Fiction

Subject: FRENCH
Catalog Number: 410S
Title: Contemporary French Fiction

Description: Novels published in France during the past decade. Fashions, fads, new trends, succès de scandale, and prize winners.

FRENCH411 - Biography, Life Writing, Autofiction

Subject: FRENCH
Catalog Number: 411
Title: Biography, Life Writing, Autofiction

Description: History and art of the life story, examining biography as it drives research and contemporary writing. From Montaigne to Rousseau, the biopic to the lives of troubadours, we will study modes, media and social functions: portrait, caricature, meditation, fragments, selfies. The subjects: famous or anonymous people; those who are not human, landscapes, the sea—even inanimate objects. The accounts of radical change or metamorphosis, personal epiphanies, self-conscious reflection. The aims of depicting lives as they unfold. Texts include Foucault, Augustine, Flora Tristan, Pascal, Ferraoun. Critical readings will be coupled with creative work culminating in a research project around your life.
FRENCH416A - Modern and Contemporary Art in France
Subject: FRENCH
Catalog Number: 416A
Title: Modern and Contemporary Art in France

Description:
Based on the following five units: liberation from tradition, subversion and experimentation, art and society, the new methods and new places of art, and icons of the 20th century. On these premises, course will follow in chronological order, offering a panorama of principal movements in modern and contemporary art in France (Fauvism, Cubism, Dadaism, Surrealism, Neo-realism etc.) Goal of the sessions, based on specific works, will aim to re-enroll these movements in their artistic and social context. Taught in French through Duke-in-France Program.

FRENCH425S - Surrealism: Aesthetics and Politics
Subject: FRENCH
Catalog Number: 425S
Title: Surrealism: Aesthetics and Politics

Description:
Introduces basic principles and central issues of Surrealism investigating its relations with modernism. Examines Surrealist strategies (automatism, hypnosis, collage, found objects), themes (dreams, sexuality, dépaysement), and political agendas (Marxism, anti-colonialism, anarchism) across a wide range of verbal sources and visual artefacts and from a variety of angles: its precursors (Sade, Freud, Apollinaire), the practices in the Parisian scene in the 1920s, the European anti-fascist phase, reception of Parisian surrealism in the Caribbean, theoretical reflections by Benjamin and Adorno, the legacies (The Situationist International, May 1968, Pop Art). Conducted in French.

FRENCH426S - France-Asia: Cultural Transfers and Translations in a Globalized Context
Subject: FRENCH
Catalog Number: 426S
Title: France-Asia: Cultural Transfers and Translations in a Globalized Context

Description:
This class explores the dynamic contemporary Franco-Asian dialogue with a specific focus on China, Japan, Vietnam, Laos and Cambodia. Seeking to go beyond the East-West divide, the seminar investigates the current stakes of this dialogue, given its growing complexity after 1945. It examines the postcolonial legacy of France’s occupation of Indochina, and how East Asia has also often been viewed as an ‘Other,’ serving to crystallize French anxieties over political and cultural power. It uses an interdisciplinary perspective encompassing novels, cinema, dance, visual arts, and critical theory to trace a web of exchanges in a globalized context. Taught in French.

FRENCH427S - Banlieues and Peripheries in French Contemporary Literature and Cinema
Subject: FRENCH
Catalog Number: 427S
Title: Banlieues and Peripheries in French Contemporary Literature and Cinema

Description:
This seminar explores figurations of banlieues and peripheries in contemporary French literature and cinema, and how they are inherently intertwined with a deep renewal of realist aesthetics. We will study the recent tendency to approach margins as metonymic and conflicted geopolitical configurations, articulating issues of gender, class and race. We will examine a constellation of recent films and narratives that can be anticipatory and expressive of the French social discontent in all its complexity, from the banlieues riots to the yellow vest movement.
## FRENCH428S - Reading Contemporary Literature in French for the 'Choix Goncourt' Prize

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<th>Subject</th>
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<tr>
<td>FRENCH</td>
<td>428S</td>
<td>Reading Contemporary Literature in French for the 'Choix Goncourt' Prize</td>
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</table>

**Description**
Why read literature today? And how do we talk about what we read? This seminar offers a unique opportunity to participate in the Choix Goncourt Prize in the U.S, and learn how to be a literary critic. Students will engage in dialogue with contemporary authors, acquire theoretical and critical literary tools, and learn the best practices of being part of a selecting literary committee. It is intended for those who want to deepen their knowledge of literature and culture, sharpen their critical spirit, and improve their skills in reading and writing French. One student will be designated as delegate and travel to NYC to attend the Prize ceremony at the Albertine bookshop. Taught in French.

## FRENCH429 - Imagining Europe: Arts, Culture, Politics

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<tr>
<td>FRENCH</td>
<td>429P</td>
<td>Imagining Europe: Arts, Culture, Politics Preceptorial</td>
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</table>

**Description**
Investigation of defining debates on European culture and the fiction which shapes them. In collaboration with Nasher Museum. Focus on literature and the visual arts of France, Italy, Portugal, Spain. Comparative analysis of key issues, including arts of migration, multilingualism, cultural and political relations within and without Europe, development of financial systems. Major authors: Marco Polo, Khatibi, Montaigne, Montesquieu, Balzac, Calvino, Némirovsky, Semprún, Saramago. Research in museum collections on major pieces.

## FRENCH430 - Music History and Politics in Contemporary Africa

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<tr>
<td>FRENCH</td>
<td>430</td>
<td>Music History and Politics in Contemporary Africa</td>
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**Description**
The objective of the course is to analyze the social, political and cultural dynamics of post-independence African states through the musical archive. The course will analyze the role that music has played in the construction of national identities in post-colonial African states, but also in social, political and cultural dynamics of contemporary Africa. From High-life in Ghana to Congolese rumba, Afrobeat in Nigeria, reggae, Hip Hop and Rai, it will show how music has accompanied societal and political evolutions of African nations. The course will think of music as a landscape and analyze the musical circulation, as a space for the constitution of African societal modernities. In English.
### FRENCH430P - Music History and Politics in Contemporary Africa Preceptorial

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<th>Subject</th>
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<tr>
<td>FRENCH</td>
<td>430P</td>
<td>Music History and Politics in Contemporary Africa Preceptorial</td>
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**Description**
A preceptorial, in French, requiring concurrent enrollment in Romance Studies 430 or French 430. Further information available from instructor.

### FRENCH431 - Anthropologie Economique

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<th>Subject</th>
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<tr>
<td>FRENCH</td>
<td>431</td>
<td>Anthropologie Economique</td>
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**Description**
Taught in French, this course is based on the achievements of anthropology to identify the foundations of economic practice as well as the theoretical problems it poses. Whether it is the market, credit or investment, economic institutions and practices are historical inventions. A better understanding of these requires analyzing the process by which the universe, which we call 'economy', was constituted. It is about reintegrating economic behavior into human behavior. An economy that positively affects living things and meets the needs of human communities must rethink the foundations of the theory of value and exchange.

### FRENCH481 - Flaubert's Brain: Neurohumanities

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<tr>
<td>FRENCH</td>
<td>481</td>
<td>Flaubert's Brain: Neurohumanities</td>
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</tbody>
</table>

**Description**
Consideration of 'realist' fiction of Gustave Flaubert from social and cognitive neuroscience perspective. Investigation of implications of Flaubert's illustration of cognitive, affective, and somatic experiences of his characters, and his own experience, e.g. lapses of consciousness, convulsions, heightened emotions. Use of digital resources to chart emerging discourses and patterns in documentation of neuropathology, while attempting to define unique properties of fiction as literary 'technology', e.g. by consideration of realist mimesis as analogous to mapping and other technologies documenting brain function/dysfunction. A preceptorial may be available for French majors/minors.

### FRENCH481P - Flaubert's Brain: Neurohumanities Preceptorial

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<tr>
<td>FRENCH</td>
<td>481P</td>
<td>Flaubert's Brain: Neurohumanities Preceptorial</td>
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</table>

**Description**
A preceptorial, in French, requiring concurrent enrollment in French 481. Further information available from instructor.
FRENCH482S - Strange Masterpieces: Major Authors in French and Francophone Modernity

**Description**
Introduction to the work of major authors from the eighteenth through twentieth centuries in the French language tradition. Topics include literary movements and their relationships to political, economic, or other social contexts; authorial personae and roles; print culture and its relation to nations, diasporas, and other social collectivities; narratology; and gender and literature.

FRENCH489S - Screening Europe

**Subject**
FRENCH

**Catalog Number**
489S

**Title**
Strange Masterpieces: Major Authors in French and Francophone Modernity

**Description**
Course debates identification of Europe as a political, historical and social entity from the standpoint of cinema. Provides students with an introduction to the notion of 'European cinema' from 1945 to the present-day crisis of Brexit and migration. Explores issues concerning interactions and relations between national and transnational identities, the local and the global, post-colonialism and multiculturalism, migration and nationalism, and Eastern versus Western Europe.

FRENCH489SP - Screening Europe Preceptorial

**Subject**
FRENCH

**Catalog Number**
489SP

**Title**
Screening Europe Preceptorial

**Description**
A preceptorial, in French, requiring concurrent enrollment in Romance Studies 489S or French 489S. For French minors and majors, and all students who want to improve their linguistic skills. Students lead class discussions in French, write all their assignments in French and give an oral presentation in French. Further information available from the instructor.

FRENCH490-1 - Topics in Literature and Neuroscience

**Subject**
FRENCH

**Catalog Number**
490-1

**Title**
Topics in Literature and Neuroscience

**Description**
Focus on the intersection of literature, culture and neuroscience. Topics vary. Taught in English with French preceptorial available.

FRENCH490A - Advanced Topics in French and/or Francophone Literature/Culture Abroad

**Subject**
FRENCH

**Catalog Number**
490A

**Title**
Advanced Topics in French and/or Francophone Literature/Culture Abroad

**Description**
Topics may vary.

FRENCH490S - Special Topics in French Literature

**Subject**
FRENCH

**Catalog Number**
490S

**Title**
Special Topics in French Literature

**Description**
A cross-cultural analysis focusing on specific literary or cultural French or Francophone topics to be announced. May be repeated.
FRENCH493 - Research Independent Study
Subject: FRENCH
Catalog Number: 493
Title: Research Independent Study
Description: See French 393. Open only to qualified seniors by consent of instructor and director of undergraduate studies.

FRENCH494 - Research Independent Study
Subject: FRENCH
Catalog Number: 494
Title: Research Independent Study
Description: See French 393. Open only to qualified seniors by consent of instructor and director of undergraduate studies.

FRENCH495 - Honors Thesis
Subject: FRENCH
Catalog Number: 495
Title: Honors Thesis
Description: Preparation and writing of research paper for 'departmental distinction.' Consent of both the instructor and the director of undergraduate studies required. See section on honors in Bulletin.

FRENCH89S - First-Year Seminar
Subject: FRENCH
Catalog Number: 89S
Title: First-Year Seminar
Description: Topics vary each semester offered.

FRENCH89S-1 - First-Year Seminar in French
Subject: FRENCH
Catalog Number: 89S-1
Title: First-Year Seminar in French
Description: Seminar for first-year undergraduates with the desire and ability to take courses in literature, history, culture, art, cinema, or drama in French at the 300-level, equivalent in all respects to a 300-level course in French. Completely satisfies the foreign language requirement and counts toward a major or minor in French. Topics vary. Prerequisite: SAT II score of 640 or above, AP Language score of 5. Native speakers or students who did high school work in French encouraged to enroll.

GENOME128FS - Evolutionary Genomics: Who Are We, Where Have We Been, and Where Are We Going?
Subject: GENOME
Catalog Number: 128FS
Title: Evolutionary Genomics: Who Are We, Where Have We Been, and Where Are We Going?
Description: We are now more than a decade into the genomics revolution that generated data allowing us to gaze into our past, present, and future in ways that were beyond imagining when Darwin's theory of Natural Selection was first introduced. The unification of genomic data, bioinformatics, and evolutionary theory has transformed our understanding of human history, our place within the Tree of Life, and the impact that our species is having on those with whom we share the planet. This course will use the primary literature to familiarize students with the multifaceted power of genomics, with a slant towards examining human history and disease from an evolutionary perspective. Open only to students in the Focus Program.
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<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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<tr>
<td>GENOME190FS - Focus Program: Topics in Genome Sciences</td>
<td>190FS</td>
<td>Focus Program: Topics in Genome Sciences</td>
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<tr>
<td>Description</td>
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<td>Topics in genome sciences and policy. Open only to students in Focus Program.</td>
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</tbody>
</table>

| GENOME212FS - Evolution, Society, and Health in Comparative Perspective | 212FS | Evolution, Society, and Health in Comparative Perspective |
| Description | | Evolutionary perspectives on the social factors that predict health, lifespan, and Darwinian fitness. Comparative insight from evolutionary models and research on other species, as well as recent genetic studies of evolutionary history and trait variation in humans. Topics include: mechanisms of evolution, the long-term consequences of early life adversity, social environmental effects on health, the genetics of socially relevant traits. Open only to students in the FOCUS program. |

| GENOME222FS - Genetics and Epigenetics: The Codes that Control Our Genomes | 222FS | Genetics and Epigenetics: The Codes that Control Our Genomes |
| Description | | Many inherited cellular and physiological traits in humans are not due to changes in DNA sequence, but instead are shaped by factors such as age, diet, or environment. This course will examine sequence-independent regulation of the human genome, non-genetic diseases, environmental factors that control the epigenome, and multi-generational inheritance of epigenetic information (how grandparental experiences shape descendants' genomes). Course readings will be drawn from the primary literature (historical and current) and will be anchored on human genetics, although model systems (yeast, Drosophila, plants) will also be discussed. Only open to students in the Focus Program. Department consent required. Prerequisite: AP Biology or equivalent. |

| Description | | This is an independent research study for undergraduate students interested in Genome Sciences and Policy. Enrollment in the course requires pre-approved research topic and plan of study. Open only to students in the Bass Connections program. Instructor consent required. |

| GERMAN101 - First-Year German I | 101 | First-Year German I |
| Description | | First-semester introductory language course. Practice in spoken and written German (speaking, listening, reading, writing); introduction to German culture and society through film, music, literature, and other authentic materials. Communicative approach to language study focuses on learning to use German in meaningful contexts across a variety of real-life situations and genres. |

<p>| GERMAN102 - First-Year German II | 102 | First-Year German II |
| Description | | Second-semester introductory language course. Practice in spoken and written German (speaking, listening, reading, writing); introduction to German culture and society through film, music, literature, and other authentic materials. Communicative approach to language study focuses on learning to use German in meaningful contexts across a variety of real-life situations and genres. |</p>
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<tr>
<th>Subject</th>
<th>Catalog Number</th>
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<tr>
<td>GERMAN111</td>
<td>111</td>
<td>Intensive First-Year German</td>
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<tr>
<td>Description</td>
<td></td>
<td>Intensive, introductory course combines first two semesters of German language instruction. Introduction to language and culture of modern German-speaking world. Practice in spoken and written German (speaking, listening, reading, writing) across variety of everyday, real-life situations and genres. Course takes functional communicative approach focusing on development of interpersonal, interpretive, and presentational skills. No previous German language study required. Ideal for highly motivated students and those interested in refreshing knowledge of foundational grammar and vocabulary structures.</td>
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<tr>
<td>GERMAN111A</td>
<td>111A</td>
<td>Intensive First-Year German</td>
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<td>Description</td>
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<td>Intensive introduction to German language and culture. Combines in one semester the work of German 101-102. Taught only in the Duke-in-Berlin Fall Semester Program.</td>
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<tr>
<td>GERMAN112A</td>
<td>112A</td>
<td>First-Year German II</td>
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<td>Description</td>
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<td>Second-semester introductory language course. Practice in spoken and written German (speaking, listening, reading, writing); introduction to German culture and society through film, music, literature, and other authentic materials. Communicative approach to language study focuses on learning to use German in meaningful contexts across a variety of real-life situations and genres.</td>
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<tr>
<td>GERMAN190S-1</td>
<td>190S-1</td>
<td>Special Topics in German Studies</td>
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<tr>
<td>Description</td>
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<td>Introduction to aspects of German culture and civilization. Topics vary by semester. Taught in English.</td>
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<tr>
<td>GERMAN203</td>
<td>203</td>
<td>Intermediate German I</td>
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<td>Description</td>
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<td>Intermediate-level German course continuing instruction begun in German 102. Focus on developing German language abilities and expanding cultural knowledge through topic-oriented syllabus on cultures of the German-speaking world. Comprehensive review of grammar, vocabulary building, with continued practice in speaking, reading, listening, and writing. Literary and nonliterary texts from a variety of media provide basis for discussion and cultural awareness. Recommended prerequisite: German 101-102, 111, or equivalent.</td>
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<tr>
<td>GERMAN204</td>
<td>204</td>
<td>Intermediate German II</td>
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<td>Description</td>
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<td>Intermediate-level German course continuing instruction begun in German 203. Practice in spoken and written German (speaking, listening, reading, writing); introduction to German culture and society through film, music, literature, and other authentic materials. Communicative approach to language study focuses on learning to use German in meaningful contexts across a variety of real-life situations and genres.</td>
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<td>Subject</td>
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<tr>
<td>GERMAN</td>
<td>210</td>
<td>Intermediate Conversation Practice</td>
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</table>

**Description**

Develop speaking skills for everyday language interactions, including expressing opinions and formulating arguments. Grade based on participation, vocabulary quizzes, role plays. Prerequisite: German 101 and 102 (or equivalent). Enrollment in German 203 or 204 encouraged but not necessary. Does not satisfy the foreign language requirement, or requirements for German major/minor.

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<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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<tbody>
<tr>
<td>GERMAN</td>
<td>211A</td>
<td>Intermediate German I</td>
</tr>
</tbody>
</table>

**Description**

Intermediate-level German course continuing instruction begun in German 102. Focus on developing German language abilities and expanding cultural knowledge through topic-oriented syllabus on cultures of the German-speaking world. Comprehensive review of grammar, vocabulary building, with continued practice in speaking, reading, listening, and writing. Literary and nonliterary texts from a variety of media provide basis for discussion and cultural awareness. Recommended prerequisite: German 101-102, 111, or equivalent.

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<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>GERMAN</td>
<td>212A</td>
<td>Intensive Intermediate German</td>
</tr>
</tbody>
</table>

**Description**

Intensive grammar review and practice of spoken and written German, combining in one semester the work of one year of intermediate German. Taught only in the Berlin Fall Semester Program. Prerequisite: German 101-102, 111, or equivalent.

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<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>GERMAN</td>
<td>213A</td>
<td>Intensive Intermediate German for Engineers</td>
</tr>
</tbody>
</table>

**Description**

Development of German language proficiency (reading, listening, speaking, and writing), with focus on the acquisition of specialized vocabulary in the fields of engineering, technology, mathematics, and other natural science disciplines. Includes investigation of history and culture of Berlin, with focus on major political, economic, social, and cultural developments since the fall of the Wall. Materials from various sources (scientific texts and problem sets, print media, audio/video material). Taught at the Technical University in Berlin. Offered only in the January term of the Duke-in-Berlin spring semester program. Prerequisite: German 102, 111, or equivalent.

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<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>GERMAN</td>
<td>214SA</td>
<td>Intermediate German II</td>
</tr>
</tbody>
</table>

**Description**

Intermediate-level German course continuing instruction begun in German 203. Practice in spoken and written German (speaking, listening, reading, writing); introduction to German culture and society through film, music, literature, and other authentic materials. Communicative approach to language study focuses on learning to use German in meaningful contexts across a variety of real-life situations and genres. Study abroad course with Duke in Berlin.

<table>
<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>GERMAN</td>
<td>220A</td>
<td>Readings in German Literature</td>
</tr>
</tbody>
</table>

**Description**

Development of written and oral proficiency in German, as well as the vocabulary and analysis tools needed for poetry and short prose. Intended for intermediate language learners beginning to work with German literature. Prerequisite: German 203 or equivalent. Taught in the Duke Summer in Berlin program.
<table>
<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>GERMAN222SA - Capturing the City: Documentary Photography in Berlin</td>
<td>222SA</td>
<td>Capturing the City: Documentary Photography in Berlin</td>
<td>History and development of documentary photography in Germany since the 19th century. Photography fieldwork projects focused on interpreting cultural life, public spaces, landscapes, and people in Berlin. Includes techniques and practice of color photography—composition, lighting, color correction, editing, and sequencing. Engagement with contemporary photography scene in Berlin through visits with area artists, museum visits, and mounting of exhibition of student work. Offered through the Duke in Berlin program.</td>
</tr>
<tr>
<td>GERMAN243 - Modern European Short Fiction</td>
<td>243</td>
<td>Modern European Short Fiction</td>
<td>Comprehensive examination of several important works of modern European short fiction by authors such as Kafka, Woolf, Svevo, Sartre, Joyce, Proust, Mann, Schnitzler, Gogol, and Calvino. While stories will be contextualized historically, culturally, and geographically, course is organized into thematic units, including animals, home, punishment, and love, to facilitate comparative analysis. Students engage critically with concepts such as identity, trauma, genre, and narrative form.</td>
</tr>
<tr>
<td>GERMAN261 - The Viking Age</td>
<td>261</td>
<td>The Viking Age</td>
<td>The history of Viking raiding, trading, exploration, and settlement, with attention to the socioeconomic structure, political organization, and naval technology of medieval Scandinavian societies. Focus on topics such as Norse mythology, ritual, and runes, Icelandic sagas, gender roles and social hierarchies in a warrior society, clan-based justice, and the collision between 'heroic' values and the new Christian ethic. Taught in English.</td>
</tr>
<tr>
<td>GERMAN261S - The Viking Age</td>
<td>261S</td>
<td>The Viking Age</td>
<td>The history of Viking raiding, trading, exploration, and settlement, with attention to the socioeconomic structure, political organization, and naval technology of medieval Scandinavian societies. Focus on topics such as Norse mythology, ritual, and runes, Icelandic sagas, gender roles and social hierarchies in a warrior society, clan-based justice, and the collision between 'heroic' values and the new Christian ethic. Taught in English.</td>
</tr>
<tr>
<td>GERMAN262 - Romantic Fairy Tales: Literary and Folk Fairy Tales from Grimms to Disney</td>
<td>262</td>
<td>Romantic Fairy Tales: Literary and Folk Fairy Tales from Grimms to Disney</td>
<td>German fairy tales of the Romantic era, including both the 'literary fairy tales' by known authors and the 'folk fairy tales' commonly deemed children's literature. Comparisons to other fairy tale traditions, notably by Perrault and Basile, providing a broader context and perspective. Comparison to the Disney contributions elucidating our own preconceptions and prejudices. Special attention to the literary, feminist, and historical elements of the fairy tale genre. Taught in English.</td>
</tr>
<tr>
<td>GERMAN264 - German Film</td>
<td>264</td>
<td>German Film</td>
<td>Introduction to German film, film theory, and reception. Emphasis on history and cultural background of films. Topics include Expressionism, Nazi and postwar films, New German cinema, DEFA. Films subtitled; readings and discussion in English.</td>
</tr>
</tbody>
</table>
GERMAN266 - Virtual Realities: Collective Dreams from Plato to Cyberspace

Subject: GERMAN
Catalog Number: 266
Title: Virtual Realities: Collective Dreams from Plato to Cyberspace

Description
What is 'virtual reality'? If something is real, isn't it also always actual, and if virtual, only almost or nearly real? What strange, hybrid no-mans-land lies midway between truth and illusion, and how can we learn to navigate inside this space? The puzzle is an old one, even if the technology we call VR is new. In this discussion-intensive course, we will read, watch, and play our way through some of the most powerful attempts to understand humanity's penchant for collective dreaming: from Plato's allegory of the cave, to the immersive spectacles of baroque theater, to the ghostly realms of gothic literature and modern film, to the invention of cyberspace and parallel universe games.

GERMAN266S - Virtual Realities: Collective Dreams from Plato to Cyberspace

Subject: GERMAN
Catalog Number: 266S
Title: Virtual Realities: Collective Dreams from Plato to Cyberspace

Description
What is virtual reality? If something is real, isn't it also always actual, and if virtual, only almost or nearly real? What strange, hybrid no-mans-land lies midway between truth and illusion, and how can we learn to navigate inside this space? The puzzle is an old one, even if the technology we call VR is new. In this course, we will read, watch, and play our way through some of the most powerful attempts to understand humanity's penchant for collective dreaming: from Plato's allegory of the cave, to the immersive spectacles of baroque theater, to the ghostly realms of gothic literature and modern film, to the invention of cyberspace and parallel universe games.

GERMAN272T - Voices in the Environment: German

Subject: GERMAN
Catalog Number: 272T
Title: Voices in the Environment: German

Description
In this course, students will explore how language and culture impact environmental policy and practice. Through authentic text, video, and case studies in German, students will analyze environmental issues in Germany to develop their understanding of core issues in the field. Tutorials meet for 75 minutes/week. Taught in German. Prerequisite: 4 semesters of German or equivalent.

GERMAN275 - The Legend of King Arthur in Literature and Film

Subject: GERMAN
Catalog Number: 275
Title: The Legend of King Arthur in Literature and Film

Description
The legend of the 'Once and Future King,' Arthur of Camelot, has fascinated poets, artists, writers, and filmmakers. Students will read and view different versions of the Arthur legend, from the earliest surviving sixth-century witness to the legend to modern films. Focusing on the themes of leadership, gender, and love, students will explore how each work understands Arthur and his milieu and the implications of each vision for the political and cultural world in which it originates. Taught in English. No prerequisites.
<table>
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<tr>
<th>Subject</th>
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<th>Title</th>
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<tbody>
<tr>
<td>GERMAN</td>
<td>282S</td>
<td>Modernism and the Arts</td>
<td>This course places international modernism in an intermedial perspective, presenting it as a broad conversation among international artists across various art forms. In addition to reading major literary works by writers such as Baudelaire, Mallarmé, Joyce, Eliot, Kafka, Woolf, Wat, Babel, Rilke, Anand, Césaire, Lu Hsun, students will enhance their understanding of modernism through exposure to other art forms, such as painting (Matisse, Picasso, Marc, Kandinsky, Chagall, Schoenberg), sculpture (Rodin, Brancusi, Giacometti), music (Schumann, Débussy, Stravinsky, Schoenberg, Berg, Gershwin), and film (Buñuel, Dali, Eisenstein, Vertov, Carné, Godard, Ruttmann, Cavalcanti, Vigo).</td>
</tr>
<tr>
<td>GERMAN</td>
<td>284</td>
<td>Poetics of Murder</td>
<td>The literature and film of crime and detection in the American, British, and German context. An examination of our fascination with stories about violence and death, as well as the connections between modern social history and narrative form. Includes interpretations of central works in crime fiction history: stories by Poe and Schiller, detective novels by Agatha Christie and Raymond Chandler, the thrillers of Fritz Lang, and postmodern tales by Eco, Auster, and Süskind. Taught in English.</td>
</tr>
<tr>
<td>GERMAN</td>
<td>286</td>
<td>German History Through Film</td>
<td>Interdisciplinary seminar at intersection of German Studies and History, taught by scholars from both disciplines. Explores ways in which films shape historical imaginations and are in themselves artifacts of history. Provides unique opportunity to learn about German past and present, and reflect on relationship between film and history.</td>
</tr>
<tr>
<td>GERMAN</td>
<td>29</td>
<td>Advanced Placement in German</td>
<td>One course credit for Advanced Placement in German</td>
</tr>
<tr>
<td>GERMAN</td>
<td>290-1</td>
<td>Special Topics in German Studies</td>
<td>Aspects of German culture and civilization. Topics vary. Taught in English.</td>
</tr>
<tr>
<td>GERMAN</td>
<td>290S</td>
<td>Special Topics in German Studies</td>
<td>Aspects of German culture and civilization. Topics vary. Taught in English.</td>
</tr>
</tbody>
</table>
GERMAN291 - Independent Study

Subject: GERMAN
Catalog Number: 291
Title: Independent Study

Description: Individual non-research directed study in a field of special interest on a previously approved topic, under the supervision of a faculty member, resulting in an academic and/or artistic product. Open only to all students by consent of instructor and director of undergraduate studies.

GERMAN303AS - Advanced German in Berlin

Subject: GERMAN
Catalog Number: 303AS
Title: Advanced German in Berlin

Description: Texts drawn from various media centered largely on contemporary Berlin. Development of written and oral proficiency in German, as well as insight into the cultural and historical aspects of the capital. Intensive practice of sentence structure and expository writing. Prerequisite: German 204 or equivalent. May substitute for German 305S or 306S to fulfill major requirement. Taught only in the Duke in Berlin program.

GERMAN305S - Advanced German I: Culture and Society

Subject: GERMAN
Catalog Number: 305S
Title: Advanced German I: Culture and Society

Description: Development of advanced proficiency in oral and written communication. Expansion and deepening of cultural literacy and interpretive skills by focusing on issues of social, cultural, and political significance in German-speaking countries. Cultural and literary texts from a variety of media and genres analyzed in social and cultural contexts. Intensive work on vocabulary, sentence structure, and patterns of expression. Prerequisite: German 204 or equivalent. Not open to native speakers of German.

GERMAN306S - Advanced German II: Text and Context

Subject: GERMAN
Catalog Number: 306S
Title: Advanced German II: Text and Context

Description: Development of advanced German language proficiency, with particular attention to written expression. Emphasis on stylistic variation, complex grammatical structures, and lexical sophistication (vocabulary building). Analysis of authentic texts from a variety of genres will provide the basis for practice in creative, descriptive, narrative, argumentative, and analytical writing. Prerequisite: German 204 or equivalent. Not open to native speakers of German.

GERMAN310 - Advanced Conversation Practice

Subject: GERMAN
Catalog Number: 310
Title: Advanced Conversation Practice

Description: Practice speaking in wide array of formal and informal situations. Expand vocabulary and idiomatic speech. Topics include current events, practical needs, German culture, using authentic texts from variety of media and genre. Grade based on participation, quizzes, presentations. Prerequisite: German 204 (or equivalent). Does not satisfy the foreign language requirement, or requirements for German major/minor.

GERMAN312AS - Advanced Intensive German Language and Culture

Subject: GERMAN
Catalog Number: 312AS
Title: Advanced Intensive German Language and Culture

Description: Development of advanced proficiency with particular emphasis on speaking and writing. Through analysis of literary and nonliterary texts, excursions, museums, films, theater performances, students gain in-depth knowledge of various aspects of German culture and society. Advanced grammar review, vocabulary building, oral presentations, as well as a variety of writing assignments. Taught only in the Berlin program. Prerequisite: German 204, 212, 212A, or equivalent. Fulfills major requirement for German 305S and German 306S.
GERMAN319AS - Advanced Intensive German

Subject: GERMAN
Catalog Number: 319AS
Title: Advanced Intensive German

Description:
For advanced students to increase all four language skills: comprehension, speaking, reading, and writing. Discussion of current events from a German cultural perspective based on newspaper articles, radio and television reports. Preparation for the German language examination required of all foreign students enrolling at German universities. Equivalent of German 305S or 306S, but offered only in the Berlin semester program.

GERMAN320A - Environmental Policy in Europe: Duke in Berlin

Subject: GERMAN
Catalog Number: 320A
Title: Environmental Policy in Europe: Duke in Berlin

Description:
Economic concepts and environmental policies with their application to selected environmental issues in Western and Eastern Europe, transboundary pollution problems, and the role of the European Community. Taught by a leading German expert in the Duke-in-Berlin fall semester program.

GERMAN321A - Economics of a United Europe

Subject: GERMAN
Catalog Number: 321A
Title: Economics of a United Europe

Description:
Implications of a common monetary policy, common welfare standards, unemployment, and migration in the European Union. (Taught only in the Duke-in-Berlin Program.)

GERMAN322A - Berlin: Architecture, Art and the City, 1871-Present

Subject: GERMAN
Catalog Number: 322A
Title: Berlin: Architecture, Art and the City, 1871-Present

Description:
Development of urban Berlin from the Gründerzeit (the Boom Years) of the 1870s to the present: architecture of Imperial Berlin; the Weimar and Nazi periods; post World War II; reconstruction as a reunified city. The major architectural movements from late historicism to postmodernism. (Taught only in the Duke-in-Berlin Program.)

GERMAN323S - Dwarves, Dragon-Slayers, and Werewolves: Germanic Myths and Legends

Subject: GERMAN
Catalog Number: 323S
Title: Dwarves, Dragon-Slayers, and Werewolves: Germanic Myths and Legends

Description:
Exploration of ancient Germanic fantasy worlds with their gods, giants, dwarves, dragon-slayers, werewolves, shape-shifters, and witches. Readings of short texts and excerpts from myths, epics, legends, fairy tales, riddles, and incantations. Where do the figures, beasts, creatures appear and what cultural concerns do they represent. Concluding look at the survival and continuation of the Germanic tradition in modern and contemporary fantasy, from Tolkien to The Game of Thrones.

GERMAN324SA - Political Polarization in Contemporary Western Democracies

Subject: GERMAN
Catalog Number: 324SA
Title: Political Polarization in Contemporary Western Democracies

Description:
This seminar seeks to understand current developments in societal polarization in France, Germany, the UK, and the US, with particular attention to how specific political processes benefit or hamper political polarization.
### GERMAN325A - Current Issues and Trends in Germany

**Subject**: GERMAN  
**Catalog Number**: 325A  
**Title**: Current Issues and Trends in Germany

**Description**
Topics of social and cultural significance in contemporary Germany, with particular emphasis on media and society. Includes site visits. Offered in the Duke Summer Program in Berlin.

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### GERMAN331T - Voices in Philosophy: German

**Subject**: GERMAN  
**Catalog Number**: 331T  
**Title**: Voices in Philosophy: German

**Description**
Discussion-based course trains students with advanced intermediate proficiency in German to read and analyze core philosophical texts in German, typically in conjunction with a lecture course offered in philosophy. Classes include close readings of original texts, discussions of interpretation and application in variety of other forms (including film, documentary, multimedia) and real-life situations. Students examine how language/culture impact our understanding of core philosophical texts through attention to issues such as translation, vernacular, and word choice. Tutorials meet weekly for 75 minutes. Recommended prerequisite: German 204 or equivalent.

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### GERMAN332S - Creative Writing in German: The Writer's Craft

**Subject**: GERMAN  
**Catalog Number**: 332S  
**Title**: Creative Writing in German: The Writer's Craft

**Description**
In this course, students explore contemporary German poetry as both cultural object and creative endeavor while regularly writing and revising their own poems and translations. Readings include poems by living German poets and translators, as well as interviews with poets and translators, blog posts on major German literary websites, and essays. Students will receive feedback on their poetic and interpretive work from both peers and professors, and revision of writing is a key aspect of the course. This course is taught entirely in German, and the majority of texts are in German. Recommended prerequisite: German 204 or equivalent. Not open to native speakers of German.

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### GERMAN335S - Modern German Theater and Drama

**Subject**: GERMAN  
**Catalog Number**: 335S  
**Title**: Modern German Theater and Drama

**Description**
Introduction to some major works of theater and drama of German-speaking central Europe, especially as they attempt to address contemporary social issues. Emphasis is primarily on 20th century theater and drama. Authors include Bertolt Brecht, Friedrich Dürrenmatt, Peter Weiss, Peter Handke, Elfriede Jelinek and others whose experiments with dramatic form have drawn international attention. Discussions will explore the relationships between texts and their various theatrical performances on the stage and screen, as well between dramatic form and social-historical context. Final project may include performance of scenes from different plays. Taught in German.
GERMAN340S - Contemporary Culture through the German Media Landscape

Subject: GERMAN
Catalog Number: 340S
Title: Contemporary Culture through the German Media Landscape

Description
This course examines contemporary discourses in German society through the lens of the media landscape, which includes but is not limited to film, music, podcast, art, literature, and TV. Students will continue to develop their competencies in German at an advanced level by discussing and analyzing present issues and debates, with an emphasis on vocabulary building through oral and written response and analysis. Topics will vary, but may include politics, arts and entertainment, business, multiculturalism, Germany's role in Europe and the world, among others. Recommended prerequisite: German 303, 305, 306, or permission of instructor.

GERMAN345S - Nature in the German Tradition

Subject: GERMAN
Catalog Number: 345S
Title: Nature in the German Tradition

Description
The concept of nature in all its complexity—as environment, agent, inspiration, and threat—runs through the history of German thought like a particularly slippery red thread. From the nature poetry and philosophy of the German Romantics, which accompanies the emergence of biology, earth science, and chemistry as academic disciplines, to the climate activism and apocalypse narratives of the 20th and 21st centuries, the question of what nature actually is, and of what it has to do with us humans, gets posed again and again to radically varying effect. The course will explore this tradition via stories, poems, films, and philosophical texts. Reading, writing, and discussion in German.

GERMAN350S - The Image of America in German Culture

Subject: GERMAN
Catalog Number: 350S
Title: The Image of America in German Culture

Description
An advanced German course about the image of America in twentieth- and twenty-first-century Germany. Popular and highbrow representations, in their historical, political, and social contexts. Topics include: American settler myths (‘Cowboys & Indians,’ pioneers); American film genres (the Western, the road movie); American progress and modernity; American brands in German society (Disney, Ford, Coca-Cola, Hollywood); the critique of American media, consumerism, and hegemony. Materials include literature, film, TV shows, comics, newspaper and magazine articles, and advertising. Taught in German. Recommended prerequisite: German 303, 306, or equivalent.

GERMAN352AS - Berlin in Literature and Culture

Subject: GERMAN
Catalog Number: 352AS
Title: Berlin in Literature and Culture

Description
Literary works of modern German writers; focus on the city of Berlin and its unique cultural and political heritage due to Germany’s division from 1945 to 1989. Emphasis on art and architecture of Berlin reflecting both historical trends and political ideologies such as National Socialism and Marxism. Taught only in the Berlin semester program.
GERMAN354SA - Contemporary Art in Berlin

Subject: GERMAN
Catalog Number: 354SA
Title: Contemporary Art in Berlin

Description:
Overview of the main locations, events and protagonists of the contemporary Berlin art scene. Examination of art in its omnipresence in the urban environment; includes explorations of street art, art in public spaces, museums, private collections, galleries, studios and art academies. Taught only in the Duke-in-Berlin study abroad program.

GERMAN358S - Sociolinguistic Landscapes: German Language, Society, and Identity

Subject: GERMAN
Catalog Number: 358S
Title: Sociolinguistic Landscapes: German Language, Society, and Identity

Description:
Introduction to German sociolinguistics. Explores socio-cultural aspects of German language variation (spatial, chronological, social) and construction of social identities through language. Questions addressed: What is the German language, who are its speakers, and what do standard and non-standard varieties look like? How has German evolved, how does it continue to develop, and what factors impact its development? How do social variables (age, gender, social distance, etc.) relate to language use? Texts from linguistics, literature, film/music, and news media analyzed to understand impact of linguistic variation on human, personal experience in German-speaking world. Taught in German.


Subject: GERMAN
Catalog Number: 359A
Title: Germany Today: A European Superpower? Duke-in-Berlin

Description:
The political, military, and economic role of the reunified Germany within the European Union. Analysis of the political system of the Federal Republic of Germany and of the structure of the European Union. Taught by German faculty in the Duke-in-Berlin spring semester program.

GERMAN360D - What Is Beauty?

Subject: GERMAN
Catalog Number: 360D
Title: What Is Beauty?

Description:
Exploration of Western theories of beauty from Plato to the present. What do we mean when we call something beautiful? Does beauty belong to an object or an observer’s mind? Is art or nature the best example of beauty? The class also examines the intertwining of modern theories of beauty with theories of race; analyzes the gender and power dynamics of theories of beauty; and asks about the relationship of aesthetics to society, politics, and biology. Readings include authors such as Plato, Burke, G.E. Lessing, Kant, Schiller, Charles Darwin, George Eliot, Nietzsche, W.E.B. DuBois, Arthur Danto, Elaine Scarry, Alice Walker, and Semir Zeki. Taught in English.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>GERMAN362SA</td>
<td>GERMAN</td>
<td>362SA</td>
<td>The Economics of the Energiewende in Germany</td>
<td>Comprehensive overview of the Energiewende - Germany's effort to reshape its energy system, the industry, and building sectors into a nuclear-free, low-carbon economy. Application of a range of analytical methods - including economic assessment tools, legal analyses and political science - to shed light on different facets of the Energiewende, and to help understand the public and academic debates around it. The course thus offers different angles - looking at the economics of the Energiewende, as well as the technological, social, ethical, legal and political implications. Offered through the Duke-in-Berlin Program.</td>
</tr>
<tr>
<td>GERMAN364</td>
<td>GERMAN</td>
<td>364</td>
<td>Green Germany: World Leader in Environmental Policy</td>
<td>Exploration of Germany’s leading global role in developing and implementing ‘green’ technologies and environmental policies. Analyzes Germany’s current and past policies on energy, agriculture, and pollution control. Examines policies in context by studying German ideas about nature, history of German environmentalism, and by looking at Green Germany in European and global perspective. Discusses extent ethics can or ought to influence debates about global climate change and its ramifications. Readings include scholarly studies, exemplary policies, and groundbreaking ecological texts.</td>
</tr>
<tr>
<td>GERMAN365A</td>
<td>GERMAN</td>
<td>365A</td>
<td>Art and Architecture of Berlin, Fifteenth to the Twentieth Century</td>
<td>Introduction to the visual arts of Germany from the fifteenth to the twentieth century through lectures conducted in Berlin's museums and cultural institutions. German Old Masters, German Romantic and Realist artists, Modernist art movements, such as Expressionism and New Objectivity, considered in relation to upheavals in modern German history. Taught in English in the Duke-in-Berlin summer program.</td>
</tr>
<tr>
<td>GERMAN366A</td>
<td>GERMAN</td>
<td>366A</td>
<td>Frontier City Berlin: Facing History's Great Challenges</td>
<td>This course deals with some of the great challenges and conflicts of the 20th and 21st century, such as capitalism vs. communism; authoritarian vs. democratic governance, and focuses on Berlin as a city at the forefront of historic struggles. In particular, it treats Berlin as the site of the first socialist revolution in a highly industrialized nation (1918/19); the rise of fascism amidst an advanced urban culture, the legacy of world war and totalitarian rule; the Cold War division of Berlin; the fall of communism and the crises of capitalism; and the search for an environmentally sustainable future. Offered in English in the Duke-in-Berlin summer program.</td>
</tr>
</tbody>
</table>
### GERMAN374S - Urban Yiddish Culture: The Urban Imagination in Yiddish Culture from Warsaw to Buenos Aires

**Subject**: GERMAN  
**Catalog Number**: 374S  
**Title**: Urban Yiddish Culture: The Urban Imagination in Yiddish Culture from Warsaw to Buenos Aires

**Description**
This course offers a panoramic view of Yiddish culture in the twentieth century through a focus on the diverse cities inhabited by its audiences and creators across Europe and the Americas. Each week we will encounter a new city through the eyes of a novelist or poet, filmmaker, musician or visual artist. As we proceed from the turn of the twentieth century to the post-Holocaust era, we will consider the broad aesthetic and ideological tendencies that inform representations of urban Jewish life in Yiddish, English, Spanish and other languages while also charting an ever-expanding geography including Buenos Aires, Mexico City and Rio de Janeiro. All material in English.

### GERMAN375S - Art and Activism: Manifestos, Revolutions, and the Avant-gardes

**Subject**: GERMAN  
**Catalog Number**: 375S  
**Title**: Art and Activism: Manifestos, Revolutions, and the Avant-gardes

**Description**
Discussion-based seminar and survey of the literature of manifestos and their role in revolutionary and avant-garde traditions of thought from the mid-19th century to the present. Topics covered include: connections between literary forms and political activism; history of modern revolutionary movements and their impacts on intellectual and artistic production; contemporary developments in manifesto writing in a global context. Sample movements include Communism, Surrealism, Anti-Fascism, Black Power, Feminism, Environmentalism. Final project: students undertake an independent research project and write their own manifestos on a topic of their choosing. Taught entirely in English.

### GERMAN376SA - Berlin Film City: Movies in the Metropolis

**Subject**: GERMAN  
**Catalog Number**: 376SA  
**Title**: Berlin Film City: Movies in the Metropolis

**Description**
A course about Berlin's rich and unparalleled cinema history. Screenings, readings, and visits to historical studios and cinemas, film museums, archives, and film academies. The course is structured around a series of iconic films about Berlin. Units on Weimar cinema, Nazi film, DEFA (East Germany's production studio), the New German Cinema of the 1970s and 80s, post-wall film, and the twenty-first century Berlin School. Students will engage in close analysis of films in their historical context and discuss how cinema engages with issues of national, political, religious, ethnic, gender and sexual identities. Offered in English in the Duke in Berlin summer program.

### GERMAN380 - Marx, Nietzsche, Freud

**Subject**: GERMAN  
**Catalog Number**: 380  
**Title**: Marx, Nietzsche, Freud

**Description**
A critical examination and assessment of the thought of Marx, Nietzsche, and Freud: revolutionary theory and practice; nihilism and the challenge of overcoming it; the hidden foundations of the self and of culture.
GERMAN381S - Mapping Jewish Modernism

Subject: GERMAN
Catalog Number: 381S
Title: Mapping Jewish Modernism

Description:
Students research Jewish modernism through questions of geography and movement, pointing to the many places where modern Jewish art has been created and the experiences of migration, exile, diaspora, and resettlement that shaped this work. We discuss the varieties of ways that different art forms, including literature, theater, music, art, film, architecture, and dance, can be mapped. We analyze mapping in terms of the movements of people (artists, authors, and directors), of objects (paintings, literature, performances, and films), and within the works themselves. Work with the Rubenstein Library will lead to projects that contribute to an exhibit in Perkins Library and a digital site.

GERMAN387 - Germany Confronts Nazism and the Holocaust

Subject: GERMAN
Catalog Number: 387
Title: Germany Confronts Nazism and the Holocaust

Description:
The ways in which official German culture comes to terms with its Nazi past. Background reading in history and politics; primary focus on films, dramas, novels, and poetry, as well as public memorials, monuments, and museums. Authors treated include: Wolfgang Borchert, Rolf Hochhuth, Peter Weiss, Ruth Klüger. Taught in English.

GERMAN390-1 - Special Topics in German Studies

Subject: GERMAN
Catalog Number: 390-1
Title: Special Topics in German Studies

Description:
Aspects of German culture and civilization. Topics vary. Taught in English.

GERMAN390S - Special Topics in German Literature and Culture

Subject: GERMAN
Catalog Number: 390S
Title: Special Topics in German Literature and Culture

Description:
Focus on aspects of German literature and cultural studies. Topics vary. Taught in German. Prerequisites: German 305S or 306S, or equivalent.

GERMAN390S-1 - Special Topics in German Studies

Subject: GERMAN
Catalog Number: 390S-1
Title: Special Topics in German Studies

Description:
Aspects of German culture and civilization. Topics vary. Taught in English.

GERMAN390SA - Special Topics in German Literature and Culture

Subject: GERMAN
Catalog Number: 390SA
Title: Special Topics in German Literature and Culture

Description:
Focus on aspects of German literature and cultural studies. Topics vary. Offered only in the Duke-in-Berlin programs.
## GERMAN391 - Independent Study

**Subject:** GERMAN  
**Catalog Number:** 391  
**Title:** Independent Study

**Description:** Individual non-research directed study in a field of special interest on a previously approved topic, under the supervision of a faculty member, resulting in an academic and/or artistic product. Open only to qualified juniors and seniors by consent of instructor and director of undergraduate studies.

## GERMAN422S - Autonomy and Community: Politics in German Thought and Literature

**Subject:** GERMAN  
**Catalog Number:** 422S  
**Title:** Autonomy and Community: Politics in German Thought and Literature

**Description:** How modern German thought and literature highlight the importance of community and the problems with collectivist ideologies. Enlightenment conceptions of individual autonomy and Romanticist conceptions of togetherness; Marxist ideas of classes and Freudian ideas of the mass; Nazi ideology of racial homogeneity and contemporary visions of multiculturalism.

## GERMAN425S - German Underworlds

**Subject:** GERMAN  
**Catalog Number:** 425S  
**Title:** German Underworlds

**Description:** This course will investigate German theories about what lies beneath: is it hell or the subterranean foundations that keep our world from collapsing? A product of nature or culture? The origin of art or the death of all that is human? And should we go looking for it under mountains, or at the center of the modern city? We will take our examples from the German literature, film, and philosophy of the nineteenth and early twentieth centuries, and we will use them to pose questions about the role of unseen depths in the history of German thought.

## GERMAN430S - German Literature and Culture

**Subject:** GERMAN  
**Catalog Number:** 430S  
**Title:** German Literature and Culture

**Description:** Principal authors, genres, concepts, and works of German literature. Parallel consideration of major developments in German philosophy, music, visual arts. Emphasis on the Enlightenment to the present.

## GERMAN432S - Modern German-Jewish Culture: Vienna, Prague, Berlin

**Subject:** GERMAN  
**Catalog Number:** 432S  
**Title:** Modern German-Jewish Culture: Vienna, Prague, Berlin

**Description:** Explores the outsized intellectual and cultural output of Jews in pre-WWII Europe. The birth of psychoanalysis and the fallout of Jewish assimilation in Vienna. The legendary Golem figure and the writings of Franz Kafka and his circle in Prague. Avant-garde Jewish artists, writers, and filmmakers in Weimar Berlin. Each unit examines specific historical contexts and broader artistic movements. Topics include secularization and conversion; hybrid identities; emigration to Palestine and the U.S.; antisemitism and rising fascism; and 'authentic' Jewishness in Eastern Europe. Taught entirely in German. Recommended prerequisite: a 300-level German course or equivalent.

## GERMAN435S - German Politics and Society

**Subject:** GERMAN  
**Catalog Number:** 435S  
**Title:** German Politics and Society

**Description:** Issues and problems of significance in contemporary Germany as a changing nation. The political impact of European integration, the cultural impact of immigration, and the social impact of a globalized economy. Materials drawn from a wide variety of media and genre: newspaper reports, television broadcasts, policy statements, legal documents.
**GERMAN443S - Captured! Stories of Entrapment in the 20th and 21st Centuries**

*Subject*  
GERMAN  
*Catalog Number*  
443S  
*Title*  
Captured! Stories of Entrapment in the 20th and 21st Centuries

*Description*
Stories of self-seclusion and entrapment, from artist hermits to doomsday preppers. What are the social and psychological effects of enclosure, what creative potential does it hold, and why are we so drawn to these narratives? When do they lead to escape and liberation, and when do they end in scenes of explosive self-destruction? Stories by Franz Kafka, Ilse Aichinger, and Thomas Bernhard; films by Werner Herzog and Michael Haneke; theoretical texts by Schopenhauer and Freud; discussions of self-seclusion via social media in the contemporary world. Readings and discussions in German. Recommended prerequisite: German 320 or above, or equivalent.

**GERMAN445S - The Uncanny German Canon from Goethe to Kafka**

*Subject*  
GERMAN  
*Catalog Number*  
445S  
*Title*  
The Uncanny German Canon from Goethe to Kafka

*Description*
Investigation of classic uncanny German literature from the late eighteenth to early twentieth centuries. Uncanny elements from ghosts and Doppelgänger to artificial life persisted across the literary movements of Romanticism, Realism, and Modernism. The course will explore this literature and also theories of the uncanny including Freud’s psychoanalytic approach, Todorov’s structuralist approach, and recent cultural-historical and post-colonial approaches. Authors may include: Goethe, Tieck, the Grimms, E.T.A. Hoffmann, Chamisso, Eichendorff, von Drost-Hülffs, Storm, and Kafka. Prerequisite: German 306 or above or equivalent knowledge of German.

**GERMAN450S - Ethics and Literature: The Modern German Tradition**

*Subject*  
GERMAN  
*Catalog Number*  
450S  
*Title*  
Ethics and Literature: The Modern German Tradition

*Description*
We shall read literary texts (short stories, novellas, plays) from the nineteenth and twentieth centuries with the goal of understanding how literature might provide—or render problematic—moral insight. How does literature represent and question moral psychology and judgment, action, and responsibility? Do literary structures inhabit our moral self-understanding, for instance: character, will and choice, and narrative coherence? Taught entirely in German. Recommended prerequisite: advanced proficiency (one course beyond 305/306).

**GERMAN460S - World War I and the History of Art & Architecture: Germany and Beyond**

*Subject*  
GERMAN  
*Catalog Number*  
460S  
*Title*  
World War I and the History of Art & Architecture: Germany and Beyond

*Description*
Grounds the student in a thorough history of World War I and its impact on the arts in Germany, from the outbreak of war in 1914 through the 1918 Revolution and up to the 10th anniversary of war (1924). Compares this history with select examples from France, the Soviet Union, Italy, and elsewhere.

**GERMAN490S - Special Topics in German Studies**

*Subject*  
GERMAN  
*Catalog Number*  
490S  
*Title*  
Special Topics in German Studies

*Description*
Aspects of German culture and civilization. Topics vary.

**GERMAN493 - Research Independent Study**

*Subject*  
GERMAN  
*Catalog Number*  
493  
*Title*  
Research Independent Study

*Description*
Individual research in a field of special interest under the supervision of a faculty member, the central goal of which is a substantive paper or written report containing significant analysis and interpretation of a previously approved topic. Open only to qualified juniors and seniors by consent of instructor and director of undergraduate studies.
### GERMAN89S - First-Year Seminar

**Subject**: GERMAN  
**Catalog Number**: 89S  
**Title**: First-Year Seminar  
**Description**
Topics may vary each semester offered.

### GGS493 - Honors Independent Study

**Subject**: GGS  
**Catalog Number**: 493  
**Title**: Honors Independent Study  
**Description**
Open to students pursuing distinction. Individual research in a field of special interest under the supervision of a faculty member, the central goal of which is a substantive paper or written report containing significant analysis and interpretation of a previously approved topic. Open to seniors. Consent of instructor and program director required.

### GLHLTH101 - Fundamentals of Global Health

**Subject**: GLHLTH  
**Catalog Number**: 101  
**Title**: Fundamentals of Global Health  
**Description**
Introduction to global health issues and challenges. Develop an understanding of key concepts, tools, and frameworks essential for continued study in global health. Focus on global disease burden, health determinants and disparities, health policy and actors, and challenges of global health interventions. Explore the importance of understanding and addressing global health through multidisciplinary frameworks of the natural sciences, social-behavioral sciences, humanities, and policy.

### GLHLTH101D - Fundamentals of Global Health

**Subject**: GLHLTH  
**Catalog Number**: 101D  
**Title**: Fundamentals of Global Health  
**Description**
Introduction to global health issues and challenges. Develop an understanding of key concepts, tools, and frameworks essential for continued study in global health. Focus on global disease burden, health determinants and disparities, health policy and actors, and challenges of global health interventions. Explore the importance of understanding and addressing global health through multidisciplinary frameworks of the natural sciences, social-behavioral sciences, humanities, and policy. Consists of lecture and learning labs, intensive small group discussion, and global health case analyses.

### GLHLTH140FS - On Suffering: How Science and Stories Shape Us

**Subject**: GLHLTH  
**Catalog Number**: 140FS  
**Title**: On Suffering: How Science and Stories Shape Us  
**Description**
By studying written and oral storytelling (including news articles, research reports, case histories, speeches, etc.), this course explores arguments for, and critiques of, appealing to stories in the face of suffering—personal and environmental—and starts articulating theological and ethical implications of 'being an engaged witness in the world.' We will listen to historical and contemporary voices that have shaped our views of the world, explore characteristics of pseudoscientific movements that make us squirm, and dig into the apparent and real differences between scientific, experiential, and theological reasoning. Open only to students in the Focus Program. Department consent required.

### GLHLTH142 - History of Chinese Medicine

**Subject**: GLHLTH  
**Catalog Number**: 142  
**Title**: History of Chinese Medicine  
**Description**
This course introduces students to the history of medicine through the study of medical practices and beliefs in China. Paying close attention to socio-historical context, we will explore how those beliefs formed, how the practices have changed over time, and in particular how the introduction of Western medicine and then scientific biomedicine forced fundamental changes in Chinese medicine over the course of the twentieth century. This course also introduces students to the discipline of History, and students will work in close consultation with the professor to produce a unique research paper. History majors should take a Gateway Seminar first, but there are no official prerequisites.
### GLHLTH153 - Climate, Coffee, and Coronavirus: Why Ecology Matters to Human Health

**Description**
This course explores interactions between organisms and their environments that impact human health. We will examine the effects of climate change and human population growth on our food supply, water availability, the spread of disease, and ecosystem services. Case studies will be used to illustrate the scientific process, to evaluate supporting evidence, and to investigate ethical issues. For nonmajors. Not open to students who have taken Biology 209-1 or Biology 209S-1.

### GLHLTH153S - Climate, Coffee, & Coronavirus: Why Ecology Matters to Human Health

**Description**
This course explores interactions between organisms and their environments that impact human health and wellbeing. We will examine the effects of climate change and human population growth on our food supply, water availability, the spread of disease, and ecosystem services. Case studies will be used to illustrate the scientific process, to evaluate supporting evidence, and to investigate ethical issues. Cross-listed between Biology, Global Health, and Environmental Studies and the fall seminar is affiliated with a Duke Immerse Cluster: Pandemics, Health & Power. Not open to students who have taken Biology 209-1 or Biology 209S-1.

### GLHLTH154 - AIDS and Other Emerging Diseases

**Description**
Explores the interaction of biology and culture in creating and defining diseases through an investigation of acquired immunodeficiency syndrome (AIDS) and other emerging diseases: molecular biology, biology of transmission and infection; the role of people and culture in the evolution of infectious diseases; reasons for the geographic variations in disease. The inductive-deductive methodology of science is both used to develop and test hypotheses as well as examined itself as an analytical tool. Intended for nonmajors.

### GLHLTH174 - Introduction to the History of Medicine

**Description**
Covers the history of western medicine from Ancient Greece to the 21st century. Students will engage with primary and secondary sources that expose the varied understandings of health, disease causation, and treatment that have prevailed over time. As an introductory course with no prerequisites, this class welcomes all students with an interest in history, health, and disease, while assuming no prior medical or scientific knowledge. It illuminates the trajectory of western medicine from the humors of Hippocrates to the genetic medicine of today.
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<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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<tr>
<td>GLHLTH186FS</td>
<td>186FS</td>
<td>Health System Development, a Global Perspective: Identifying Core Elements of Equitable Healthcare</td>
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<td>Description: Health systems worldwide all have the same goal: produce health in their population that is equitably distributed. Yet, when examining how different countries set up their health systems, different mechanisms are discovered to accomplish the same goal. Given this diversity of approaches, the answer to the question of ‘What are the core elements of an equitable healthcare system AND how do you implement those elements?’ can be elusive. This course is offered within the Focus Program as part of the Global Health: Problems and Paradigms cluster. There are no prerequisites and no previous background in health, global health, or health systems is required.</td>
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| GLHLTH187FS | 187FS          | Effectively Addressing Modern Pandemics of Disease: What Did We Do Wrong to Get So Sick? |
|             |                | Description: This course will explore Western disease and its root causes. At the same time, students will investigate what modern medicine has done to address the issues, and will discuss the effectiveness and magnitude of that effort. For each case study, students will determine what might have gone wrong, how could it have been done differently, and what forces might be at play that have prevented effective action. The pharmaceutical paradigm that currently governs both modern medicine and biomedical research will be carefully examined. Students will be encouraged to envision and critically examine potential alternatives. Open only to students in the Focus Program. |

| GLHLTH188FS | 188FS          | A Global Perspective on Provider-Patient Communication |
|             |                | Description: Explores the differing perspectives of patients and their health care providers; considers the role of implicit bias in the evolution of disparities in health care quality for racial and ethnic minorities; investigates the problem of health care communication across cultures; examines the ways in which charitable foundations in the United States and Europe might impose a Western model of health care communication on communities in developing countries; considers creative approaches to creating trust and effective communication between patients and the systems which provide health care. Intended only for focus students in global health cluster. |

| GLHLTH189FS | 189FS          | To Boldly Go! Global Health and the American Way of Engagement |
|             |                | Description: Course examines assumptions and language of Global Health in the US and ethical challenges of cross-cultural engagement. Title comes from Roddenberry’s Star Trek (1966); course uses the series to think about technology, exploration, and encounter. We will use texts that examine how culture and power in the US have framed interactions with and control of people inside the US and in other countries, from people carrying contagious disease to women whose bodies represent a threat to a proposed social order. Students will analyze historical documents and images from popular culture and write close analyses identifying the underlying ethical and cultural frameworks in these documents. |
### GLHLTH190FS - Special Topics in Focus

**Subject**  
GLHLTH

**Catalog Number**  
190FS

**Title**  
Special Topics in Focus

**Description**  
Focus course. Topics vary depending on semester and section. Topics may include: global health ethics, field methods, health technologies, rapid needs assessment, global health policies, and interdisciplinary global health topics.

### GLHLTH190S - Special Topics in Global Health

**Subject**  
GLHLTH

**Catalog Number**  
190S

**Title**  
Special Topics in Global Health

**Description**  
Content to be determined each semester.

### GLHLTH196FS - Patient and Research Participant Activism and Advocacy

**Subject**  
GLHLTH

**Catalog Number**  
196FS

**Title**  
Patient and Research Participant Activism and Advocacy

**Description**  
In the 1960s, patients appropriated the language and tactics of the civil rights movement to advance clinical and research agendas. Today patient activism is evolving, leading to new solutions, dilemmas, and organizational structures. This course will examine patient and research participant activism and the ways it challenges conventional notions of expertise, amateurism, 'human subjects protections,' and minimization of risk. Students will bring the tools of journalism, anthropology, humanities scholarship, public policy and community engagement/citizen science to bear on ethical and policy questions. Open only to students in the Science & the Public Focus Program cluster. Department consent required.

### GLHLTH201FS - Confronting Global Health Challenges: What Would You Do?

**Subject**  
GLHLTH

**Catalog Number**  
201FS

**Title**  
Confronting Global Health Challenges: What Would You Do?

**Description**  
Saving lives and improving health requires wise decision-making by local, national, and international health leaders and communities: policies, strategies, programs at the heart of success. This course will engage students in political, economic, cultural, psychosocial, human rights, equity considerations in five key areas of global health: universal healthcare, women's health, global pandemics, product-driven epidemics, and global warming health impacts. Students' critical analysis and decision-making skills will be developed though active learning teaching cases, role plays, debates, and simulations from actual situations faced by health leaders at all levels. Open only to students in the Focus Program.

### GLHLTH203 - History of Global Health

**Subject**  
GLHLTH

**Catalog Number**  
203

**Title**  
History of Global Health

**Description**  
The course begins with the development of ancient medicine in Europe & China, and continues into the rise of biomedicine (e.g. laboratory science & microbiology) in the 19th and 20th centuries. Particular diseases illustrate important themes, such as the role of warfare in medical developments, the creation of international policy to control disease, and how non-Western societies intersected biomedicine. We trace global circulations of people and commodities to show how international agencies, charities and governing bodies have spread both disease and the means to fight it. Medicine has always been a global undertaking, and its history prepares us to address emerging health crises.

### GLHLTH205 - Health and Healing in Africa

**Subject**  
GLHLTH

**Catalog Number**  
205

**Title**  
Health and Healing in Africa

**Description**  
Examines how various communities in Africa have experienced, perceived, and treated maladies from the precolonial era to the present time. Places illness and therapy in specific historical contexts. Topics include hunger and famine; 'old world' diseases such as small pox; disease and colonial conquest (c1880-1920); colonial regimes and health; and viruses that have emerged in Africa since c1975.
GLHLTH208 - Transnational Feminism

**Description**
Explore feminist projects and approaches that cross a variety of borders. Under what conditions is solidarity across difference and inequality possible? This seminar examines this and other questions using relevant theories, film, and scholarship. Topics include activism, human rights, development, capitalism, war/militarization, racism, embodiment, and health. Assigned readings and films largely focus on the Global South but situate the Global North within circuits and relationships. The professor guides each student in preparing an original research paper on a relevant topic of interest to the student.

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GLHLTH208S - Transnational Feminism

**Description**
Explore feminist projects and approaches that cross a variety of borders. Under what conditions is solidarity across difference and inequality possible? This seminar examines this and other questions using relevant theories, film, and scholarship. Topics include activism, human rights, development, capitalism, war/militarization, racism, embodiment, and health. Assigned readings and films largely focus on the Global South but situate the Global North within circuits and relationships. The professor guides each student in preparing an original research paper on a relevant topic of interest to the student.

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GLHLTH210 - Global Health Ethics: Policy Choice as Value Conflict

**Description**
The primary foci of this course are: the ethics of engagement with marginalized/stigmatized populations; understanding the influence of power dynamics; and understanding the ways in which policies create structures that limit abilities. Students explore the roots of their personal value systems and those of others, in an effort to understand causes of conflict and ethical missteps in global health engagement. Involves reading texts and coming to class ready to engage in conversations and activities related to the learning objectives. Weekly 5-question quizzes help to ensure that students come to class prepared to engage with the material.

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GLHLTH210D - Global Health Ethics: Policy Choice as Value Conflict

**Description**
The primary foci of this course are: the ethics of engagement with marginalized/stigmatized populations; understanding the influence of power dynamics; and understanding the ways in which policies create structures that limit abilities. Students explore the roots of their personal value systems and those of others, in an effort to understand causes of conflict and ethical missteps in global health engagement. Involves reading texts and coming to class ready to engage in conversations and activities related to the learning objectives. Weekly 5-question quizzes help to ensure that students come to class prepared to engage with the material.
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<tr>
<td>GLHLTH</td>
<td>215</td>
<td>Case Studies in Global Sexual and Reproductive Health</td>
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</table>

**Description**

Through the examination of weekly case studies, students will explore the complexity of working in the field of global sexual and reproductive health and the ways in which various health and social science disciplines can be integrated in the development of effective health programs. Session topics will include family planning, maternity care, gender-based violence, abortion, and HIV/AIDS. Using examples from the US and low-and middle-income countries, students will identify key focus areas in sexual and reproductive health, technical and programmatic challenges and successful interventions. Recommended prerequisite: Global Health 212.

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<tr>
<td>GLHLTH</td>
<td>220S</td>
<td>Anthropology and Global Health</td>
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**Description**

Investigates connections between anthropology and global health. Readings based on ethnographic research conducted globally. Topics include cross-cultural experiences of epidemics, ethical implications of globalizing clinical trials, moral and political dimensions of health and humanitarian interventions, connections between nationalism and population policy, overlaps between traditional healing systems and public health programs, how gender ideologies shape reproductive health, and questions of identity, power, and ethics amidst global rollout of HIV therapies.

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<tr>
<td>GLHLTH</td>
<td>225</td>
<td>Food, Farming, and Feminism</td>
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**Description**

Viewing 'agriculture,' 'nature,' and 'consumption' as pressing feminist themes and exploration of various dimensions of the cultural and political ecology/economy of producing, processing, circulating, preparing, and consuming sustenance. Particular focus on the ethical impact of US policy on rural farm communities and developing nations.

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<td>GLHLTH</td>
<td>226S</td>
<td>Politics of Pandemics</td>
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**Description**

Exploration of social, cultural, historical, and political facets of epidemic disease and widespread health crises. Key concepts of medical anthropological research and writing; reading ethnographic texts alongside journalistic, literary, and policy accounts of disease experiences and institutional responses. Assess scope, scale, and genre associated with representing pandemics. Analyze global case studies of both infectious and chronic diseases.
### GLHLTH230L - Global Women's Health Technologies

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<tr>
<td>GLHLTH</td>
<td>230L</td>
<td>Global Women's Health Technologies</td>
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**Description**
Exploration of the intersection of technology, women's health, and global poverty. Analysis of case studies related to human-centered design and applications of engineering to solve global health challenges. Hands-on learning of engineering concepts related to circuitry and light as well as skills needed to prototype a functional light source. Application of course knowledge in a design challenge based on a need from a real-world client in a low-resource setting. Open to both Trinity and Pratt students.

### GLHLTH235 - Drugs, Chemicals, and Health: Histories of Substances in Economies, Environments, and Bodies

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<tr>
<td>GLHLTH</td>
<td>235</td>
<td>Drugs, Chemicals, and Health: Histories of Substances in Economies, Environments, and Bodies</td>
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**Description**
This course asks how we might think historically about synthetic chemicals, natural alternatives, and the benefits and hazards they pose to human health, society, and environments. Combining cultural, political, and economic history with interdisciplinary environmental history and science & technology studies, we will follow historical ‘biographies’ and ‘genealogies’ of drugs and chemicals through economies, environments, and bodies, from cellular to planetary scales, comparing and connecting different global settings (including North Carolina). Focal substances may include aluminum, antiretrovirals, DDT, gold, indigo, mercury, nicotine, quinine, and opioids.

### GLHLTH238 - Medicine and Human Flourishing

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<th>Subject</th>
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<tr>
<td>GLHLTH</td>
<td>238</td>
<td>Medicine and Human Flourishing</td>
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**Description**
This course examines the nature, ends, and practice of medicine as it relates to the human condition. How can medicine foster human flourishing and well-being—individual and social—against the experience of injury, pain, and suffering? Beginning with ancient Greece and its Hippocratic corpus, students explore answers to this question within a variety of historical and contemporary contexts. Taught by an interdisciplinary team of scholars that includes medical professionals, the course highlights the importance and professional relevance of posing big questions about personal meaning and human values at stake in the practice of medicine.

### GLHLTH238D - Medicine and Human Flourishing

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<tr>
<td>GLHLTH</td>
<td>238D</td>
<td>Medicine and Human Flourishing</td>
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</table>

**Description**
This course examines the nature, ends, and practice of medicine as it relates to the human condition. How can medicine foster human flourishing and well-being—individual and social—against the experience of injury, pain, and suffering? Beginning with ancient Greece and its Hippocratic corpus, students explore answers to this question within a variety of historical and contemporary contexts. Taught by an interdisciplinary team of scholars that includes medical professionals, the course highlights the importance and professional relevance of posing big questions about personal meaning and human values at stake in the practice of medicine.
GLHLTH241 - Global Bioethics

Subject  | Catalog Number | Title
---------|----------------|------
GLHLTH   | 241            | Global Bioethics

Description
Examines various problems of international ethics, discussing them in the context of general ethical theory and then in the specific context of various controversies concerning the conduct of clinical trials in developing countries. Problems include moral universalism and relativism; poverty relief and international aid; international health disparities; human rights; and exploitation.

GLHLTH248S - Ethical Dimensions of Environmental Policy

Subject  | Catalog Number | Title
---------|----------------|------
GLHLTH   | 248S           | Ethical Dimensions of Environmental Policy

Description
Uses case studies from different arenas of environmental policy (e.g., climate and clean air, water and waste, forests, oceans, energy) to surface normative assumptions often implicit in policy design and implementation. Links ethics to ethos (beliefs, aspirations, and spirit of a community or culture) to suggest that policies are not only pragmatic guidelines for decision-making and action, but also fundamental declarations concerning the character of human flourishing and the shape of the natural world, which is why environmental policies are often so contentious. Seeks to help students understand this aspect of environmental policy and to negotiate these deep-seated ethical conflicts.

GLHLTH257 - From Madness to Mental Disorders: Sociology of Mental Health

Subject  | Catalog Number | Title
---------|----------------|------
GLHLTH   | 257            | From Madness to Mental Disorders: Sociology of Mental Health

Description
Investigates mental health processes and policies in historic, cultural, and socioeconomic context. Explains why definitions of and responses to mental illness have changed across time and place. Probes ethical dilemmas created by the medicalization of deviance. Examines how social conditions shape the development and consequences of mental disorders, treatments, and policies. Evaluates alternative theoretical explanations for how mental well-being and mental health services are linked to socioeconomic status, gender, race, ethnicity, citizenship, age, and sexuality. Assesses ability of alternative policies to improve public mental health.

GLHLTH258D - Race, Genomics, and Society

Subject  | Catalog Number | Title
---------|----------------|------
GLHLTH   | 258D           | Race, Genomics, and Society

Description
The field of genetics has been at the forefront of discourse concerning the concept of ‘race’ in humans. This course explores human origins, human variation, human identity, and human health through a broad range of enduring and emerging themes and challenging questions related to race and genetics (and now, genomics) on a global scale. Students will acquire knowledge and skills required for integrative analyses of the relevant scientific, ethical, legal, societal, cultural, and psychosocial issues. Open to students at all levels from any discipline in the arts, humanities, and sciences (natural, social, formal, and applied).
### GLHLTH260 - Novel Coronavirus: Epidemics and Response in the Age of Global Interdependence

**Subject** | Catalog Number | Title
--- | --- | ---
GLHLTH | 260 | Novel Coronavirus: Epidemics and Response in the Age of Global Interdependence

**Description**
The novel coronavirus outbreak has placed global health onto the front pages of newspapers worldwide. However, the daily news cycle is hardly the best way to digest issues that require a contextual understanding of epidemiology, virology, history, sociology, political science, and health humanities. This course will use the outbreak as a starting point for a multidisciplinary and interdisciplinary analysis that brings together diverse methodologies to gain a broader understanding of the crisis, its origins, and how to address it. Students will engage in intercultural discussions and develop skills in problem solving and information literacy through readings, weekly class activities, and a culminating group project. Leading experts from various fields will engage the class in live, interactive participatory sessions.

### GLHLTH267S - Culture and Mental Health

**Subject** | Catalog Number | Title
--- | --- | ---
GLHLTH | 267S | Culture and Mental Health

**Description**
This course examines the social and cultural facets of mental illness, psychological diagnoses, and mental health from the viewpoints of cultural psychiatry, medical anthropology, and social medicine. Global case studies will form the basis for several key questions: how do mental distress and forms of treatment differ cross-culturally? How might social differences such as gender, sexuality, and race shape therapeutic encounters in mental health? And what roles do psychology, psychiatry, and the brain sciences play in everyday life?

### GLHLTH270T-1 - Voices in Global Health: Arabic Tutorial

**Subject** | Catalog Number | Title
--- | --- | ---
GLHLTH | 270T-1 | Voices in Global Health: Arabic Tutorial

**Description**
Through practical and theoretical discussions around case studies, visual texts, and interviews in the target language, Voices in Global Health examines emerging health challenges at the local and global level. Through the experiences and knowledge shared from our guest speakers, we will explore the underlying health behaviors and cultural beliefs while producing culturally appropriate health interventions. Tutorials meet weekly for 75-minutes. Prerequisite: 4 semesters of language or equivalent – heritage and native speakers are welcome to enroll. Satisfactory/Unsatisfactory. Community-engaged course.

### GLHLTH270T-3 - Voices in Global Health: French Tutorial

**Subject** | Catalog Number | Title
--- | --- | ---
GLHLTH | 270T-3 | Voices in Global Health: French Tutorial

**Description**
Through practical and theoretical discussions around case studies, visual texts, and interviews in the target language, Voices in Global Health examines emerging health challenges at the local and global level. Through the experiences and knowledge shared from our guest speakers, we will explore the underlying health behaviors and cultural beliefs while producing culturally appropriate health interventions. Tutorials meet weekly for 75-minutes. Prerequisite: 4 semesters of language (French 204) or equivalent – heritage and native speakers are welcome to enroll. Satisfactory/Unsatisfactory. Community-engaged course.
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<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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<tbody>
<tr>
<td>GLHLTH</td>
<td>270T-4</td>
<td>Voices in Global Health: Hindi Tutorial</td>
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<tr>
<td>GLHLTH</td>
<td>270T-5</td>
<td>Voices in Global Health: Mandarin Tutorial</td>
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<tr>
<td>GLHLTH</td>
<td>270T-6</td>
<td>Voices in Global Health: Spanish Tutorial</td>
</tr>
<tr>
<td>GLHLTH</td>
<td>273S</td>
<td>Entrepreneurial Problem Solving in Global Health</td>
</tr>
</tbody>
</table>

**GLHLTH270T-4 - Voices in Global Health: Hindi Tutorial**

**Description**
Through practical and theoretical discussions around case studies, visual texts, and interviews in the target language, Voices in Global Health examines emerging health challenges at the local and global level. Through the experiences and knowledge shared from our guest speakers, we will explore the underlying health behaviors and cultural beliefs while producing culturally appropriate health interventions. Tutorials meet weekly for 75-minutes. Prerequisite: 4 semesters of language or equivalent – heritage and native speakers are welcome to enroll. Satisfactory/Unsatisfactory. Community-engaged course.

**GLHLTH270T-5 - Voices in Global Health: Mandarin Tutorial**

**Description**
Through practical and theoretical discussions around case studies, personal narratives, documentaries and recorded interviews in the Chinese language, students examine how language and culture impact health beliefs and behaviors. Explore underlying reasons for different beliefs and behaviors with the goal of creating culturally appropriate interventions. This is a service-learning or community-engaged course. Engagement may include direct, project-based, or research-focused service with local/global community partners among other engaged practices. Meet weekly for 75 minutes. Prerequisite: Chinese 305 or equivalent. Instructor consent required.

**GLHLTH270T-6 - Voices in Global Health: Spanish Tutorial**

**Description**
Through practical and theoretical discussions around case studies, visual texts, and interviews in the target language, Voices in Global Health examines emerging health challenges at the local and global level. Through the experiences and knowledge shared from our guest speakers, we will explore the underlying health behaviors and cultural beliefs while producing culturally appropriate health interventions. Tutorials meet weekly for 75-minutes. Prerequisite: 4 semesters of language (Spanish 204) or equivalent – heritage and native speakers are welcome to enroll. Satisfactory/Unsatisfactory. Community-engaged course.

**GLHLTH273S - Entrepreneurial Problem Solving in Global Health**

**Description**
Global health, both international and local, has a long way to go to support healthy lives. In this class, students will have the opportunity to gain understanding of how the Entrepreneurial method can help to improve health. Students will learn about the victories and the challenges, and in the end, will be better able to be successful in their future endeavors. Students will be challenged, and will have to work, but in the end, they will be proud of their accomplishments and newfound knowledge.
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<th>Subject</th>
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<th>Title</th>
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<tbody>
<tr>
<td>GLHLTH</td>
<td>275S</td>
<td>GLHLTH275S - Complex Issues in United States Healthcare</td>
</tr>
</tbody>
</table>

**Description**
Investigates historical, educational, social, political, economic and ethical implications of healthcare in US. Explores educational preparation of providers and current calls for reform. Analyzes health outcomes and costs as well as implications for future national economy. Investigates proposed healthcare models, methods of educating healthcare workers for an aging population, inequalities in distribution and political and ethical implications of change. Writing intensive: includes short weekly written reflections of assigned readings, mid-term paper on either education or policy. Final project will investigate solutions for identified population health problem.

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<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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<tbody>
<tr>
<td>GLHLTH</td>
<td>278S</td>
<td>GLHLTH278S - Literatures and Films of Pandemic</td>
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</tbody>
</table>

**Description**
This course explores past pandemics as a way to think about how to best live through COVID-19 and prevent or minimize future pandemics. Through examining literature and film, we will analyze the psychosocial dimensions of pandemic. We will read a variety of texts including: histories, fiction (Bulgakov, Porter, Tolstoy, Colson Whitehead); short essays; and films (e.g., Contagion, Outbreak). How do science, medicine, and society interact in a time of pandemic? How do pandemics reveal social inequities, and how could we use this knowledge to decrease disparities? And why do people turn to the humanities and arts in times of pandemic?

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<th>Subject</th>
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<tbody>
<tr>
<td>GLHLTH</td>
<td>290S</td>
<td>GLHLTH290S - Special Topics in Global Health</td>
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**Description**
Content to be determined each semester.

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<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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<tbody>
<tr>
<td>GLHLTH</td>
<td>298L</td>
<td>GLHLTH298L - Introduction to Global Health Data Science</td>
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</tbody>
</table>

**Description**
Rigorous introduction to health data science using current applications in biomedical research, epidemiology, and health policy. Use modern statistical software to conduct reproducible data exploration, visualization, and analysis. Interpret and translate results for interdisciplinary researchers. Critically evaluate data-based claims, decisions, and policies. Includes exploratory data analysis, visualization, basics of probability and inference, predictive modeling and classification. This course focuses on the R computing language. No statistical or computing background is necessary. Not open to students who have taken a 100-level Statistical Science course, Statistical Science 210, or a Statistical Science course numbered 300 or above.
GLHLTH302 - Global Narratives of Illness and Disability

Subject: GLHLTH
Catalog Number: 302
Title: Global Narratives of Illness and Disability

Description:
The humanities help us learn more about the global experiences of people living with illness and disability. Using a global health humanities approach, we study illness and disability through biography, poetry, blogs, and art created by patients, families, friends, doctors, and caregivers. We look beyond data to find meaning through documentaries, theories of representation, and illness narratives. We explore different illness experiences, such as HIV/AIDS and Ebola; different disabilities, such as physical and cognitive; different gender identities and ages; and different locations, such as South Africa, West Africa, Papua New Guinea, Brazil, Haiti, and rural and urban USA.

GLHLTH303 - Global Health Systems

Subject: GLHLTH
Catalog Number: 303
Title: Global Health Systems

Description:
Introduces global health systems in three modules—Globalization, Health, and Systems—then draws these three topics together to situate the concept and practice of ‘global health’ within the contemporary context of health systems in various countries around the world. Emphasizes systems theory and systems thinking, drawing on a wide range of disciplines.

GLHLTH304 - Evolutionary Medicine and Global Health

Subject: GLHLTH
Catalog Number: 304
Title: Evolutionary Medicine and Global Health

Description:
Covers evolutionary approaches to understand human health at a global scale. Integration of evolutionary thinking and medical science provides new insights into a wide array of medical issues including obesity, cancer, allergies, and mental illness. Evolutionary perspectives reveal why some pathogens are more harmful than others, shed light on the origins and spread of infectious diseases in humans, and help in controlling antibiotic resistance. Evolutionary approaches provide insights as to why we age and provide solutions to alleviate human health problems that often differ from modern medical practice. Course will place these perspectives in the context of global health challenges.

GLHLTH305 - Beyond Health Care: Understanding How Social Determinants Impact Health Around the World

Subject: GLHLTH
Catalog Number: 305
Title: Beyond Health Care: Understanding How Social Determinants Impact Health Around the World

Description:
This course is intended to introduce students to the conceptual framework of social determinants of health. Using a combination of didactic learning, global health case studies, discussion forums, and team projects, it will allow students to examine health and health equity in the context of social, political and economic factors and follow implications for community and population health. Case studies will focus on various issues that are currently facing the world, including worldwide epidemics, non-communicable diseases, conflict and migration, and will examine these real-world issues in the context of the drivers of health. This course is designed for undergraduate students.
GLHLTH306 - Global Health Policy: Transforming Evidence into Action

Subject: GLHLTH  
Catalog Number: 306  
Title: Global Health Policy: Transforming Evidence into Action  

Description: In-depth examination of how to close the gap between evidence and practical policy making as a way to improve global health. How global health policies are shaped; identifying key actors and their power; understanding/influencing the processes that drive large scale change in global health; exploring ways in which health issues reach the top of the agenda; analyzing how decisions are made by policy makers; implementing policies from the 'top down' and 'bottom up.' The interplay between the different worlds of research and policy. Practical tools for becoming a policy broker, skilled in transforming evidence to action. Real world case studies. Case-based competition.

GLHLTH308A - Oceans in Human and Environmental Health

Subject: GLHLTH  
Catalog Number: 308A  
Title: Oceans in Human and Environmental Health  

Description: Students will gain a grounding in marine sciences to help them to evaluate impacts of anthropogenic activities on marine ecosystems and the humans that rely on them. After developing an understanding of the issues facing environmental and human health and well-being in marine systems, students will travel to the Galapagos to better understand environmental challenges facing biodiversity and tourism hotspot. This course embraces immersive field experiences in North Carolina and the Galapagos to contextualize classroom learning and to develop connections with environmental practitioners and residents. Taught in Beaufort at Duke Marine Lab. Duke Immerse course. Instructor consent is required.

GLHLTH309A - Oceans in Human and Environmental Health

Subject: GLHLTH  
Catalog Number: 309A  
Title: Oceans in Human and Environmental Health  

Description: Focus on the concept of 'One Health' that the health of the environment and the people who live in it are linked. The basis (from a biological perspective) of threats facing the marine environment and interactions between environmental and human health and their role in global health disparities. For example, in discussing fisheries and aquaculture, the course will cover environmental impacts of these extractive industries and their importance in human and societal well-being. This course will embrace immersive field experiences in North Carolina that will contextualize classroom learning and develop connections with practitioners and residents. Taught in Beaufort at Duke Marine Lab.

GLHLTH309DA - Oceans in Human and Environmental Health

Subject: GLHLTH  
Catalog Number: 309DA  
Title: Oceans in Human and Environmental Health  

Description: Focus on the concept of 'One Health' that the health of the environment and the people who live in it are linked. The basis (from a biological perspective) of threats facing the marine environment and interactions between environmental and human health and their role in global health disparities. For example, in discussing fisheries and aquaculture, the course will cover environmental impacts of these extractive industries and their importance in human and societal well-being. This course will embrace immersive field experiences in North Carolina that will contextualize classroom learning and develop connections with practitioners and residents. Taught in Beaufort at Duke Marine Lab.
GLHLTH312 - War and Public Health in Africa

Subject: GLHLTH  
Catalog Number: 312  
Title: War and Public Health in Africa  
Description: An inquiry into the nature of contemporary war in sub-Saharan Africa and its human cost. Uses public health as a parameter to assess the impact of organized collective violence on people's lives. Link between war and public health established and measured with respect to civilian deaths, gender based violence, physical and psychological trauma, mental disorders, malnutrition and famine, and the spread of epidemic diseases, inter alia HIV/AIDS. Special attention is paid to rape as 'a weapon of war', to the trafficking of human beings in war zones, the child soldier phenomenon, and to death counts as a vector of humanitarian or political advocacy.

GLHLTH315D - Primate Disease Ecology and Global Health

Subject: GLHLTH  
Catalog Number: 315D  
Title: Primate Disease Ecology and Global Health  
Description: Covers concepts of disease ecology, with specific application to primates, human evolution, and global health. Explores the epidemiology and evolution of infectious diseases through the primary literature, focusing on infectious diseases of wild primates, humans, and other mammals. Students learn about the diversity of infectious diseases found in humans, and the basics of epidemiology, disease evolution and emergence, and primate behavioral ecology. Students also gain experience in thinking critically about scientific research, identifying interesting research questions, and communicating science to others. Prerequisite: Evolutionary Anthropology 101/101D or introductory-level biology.

GLHLTH320D - Planetary Health: Ecosystems, Human Health and Policy

Subject: GLHLTH  
Catalog Number: 320D  
Title: Planetary Health: Ecosystems, Human Health and Policy  
Description: Planetary health focuses on human health impacts of anthropogenic disruptions of Earth's natural systems. Examines interplay of human activity, environmental changes, human health impacts, and policy interventions. Topics include climate change, loss of biodiversity, urbanization, global pollution, and changing food systems. Uses a social justice perspective to understand which communities and populations are most vulnerable to disruptions of natural systems. Examines evidence on effective policy responses. Explores real world case studies and solutions.

GLHLTH321-1 - Medical Anthropology

Subject: GLHLTH  
Catalog Number: 321-1  
Title: Medical Anthropology  
Description: Cross-cultural study of health and illness. Prerequisites: Completion of both Writing 101 and any First Year Seminar.
**GLHLTH325S - Global Displacement: Voix Francophones**

**Subject**  
GLHLTH

**Catalog Number**  
325S

**Title**  
Global Displacement: Voix Francophones

**Description**
Explores migration and resettlement of Francophone refugees in North America through examination of current policy, law, and practice. Analysis of personal interviews and narratives with attention to ethical questions related to politics of listening to and speaking for other communities. Community-based language component (20 hours) engages students with refugee community in Durham. Conducted in French. Recommended prerequisite: one course at 300-level or equivalent.

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**GLHLTH326 - Health, Culture, and the Latino Community**

**Subject**  
GLHLTH

**Catalog Number**  
326

**Title**  
Health, Culture, and the Latino Community

**Description**
Exploration of health issues in the Spanish-speaking world shaped by social, cultural, political, ethnic, and economic determinants. Topics: cultural competency, community beliefs, medical practices and policies, preventive medicine, mental health. Projects include presentations, writing, research, and conversations with local and global contacts. Evaluation on knowledge of content, oral and written proficiency in Spanish. One 300-level Spanish course recommended prior to enrolling. Prerequisite: Spanish 204 or equivalent.

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**GLHLTH326-1 - Health, Culture Learning and the Latino Community: Service Learning**

**Subject**  
GLHLTH

**Catalog Number**  
326-1

**Title**  
Health, Culture, and the Latino Community: Service Learning

**Description**
Exploration of health issues in the Spanish-speaking world shaped by social, cultural, political, ethnic, and economic determinants. Topics: cultural competency, community beliefs, medical practices and policies, preventive medicine, mental health. This is a service-learning or community-engaged course. Engagement may include direct, project-based, or research-focused service with local/global community partners among other engaged practices. Evaluation on knowledge of content, oral and written proficiency in Spanish. One 300-level Spanish course recommended prior to enrolling. Prerequisite: Spanish 204 or equivalent.

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**GLHLTH326A - Language, Culture, and Health in Costa Rica**

**Subject**  
GLHLTH

**Catalog Number**  
326A

**Title**  
Language, Culture, and Health in Costa Rica

**Description**
Builds proficiency in oral and written Spanish through exploration of language, culture, and issues related to health in Costa Rica. Learning through personal observations and classroom discussions based on readings and guest speakers. Interaction with community in interviews and visits to local organizations and health providers to further knowledge on issues that impact community life. Assessment based on language and content of written and oral projects. Prerequisite: Spanish 204 or equivalent. Taught in Duke-in-Costa Rica summer program.
GLHLTH331S - Documenting US Women's Health Post-Roe v. Wade

Subject: GLHLTH  
Catalog Number: 331S  
Title: Documenting US Women's Health Post-Roe v. Wade

Description:
The overturning of Roe v. Wade in June 2022 led to the deaths of two women in South Carolina. One woman died from sepsis following self-instrumentation, and the second died after giving birth to a healthy baby. She began to hemorrhage; hospital administrators were afraid that the 'D&C' she needed to survive was too close to the abortion procedure. A physician team at Duke University Hospitals, led by Dr. Beverly Clark, began to see similar cases in North Carolina. The aim of this course is to document—in real time—the political and ethical dimensions of the situation that healthcare providers now find themselves in as they attempt to provide women the nationwide medical 'standard of care.'

GLHLTH335 - Economics of Global Health

Subject: GLHLTH  
Catalog Number: 335  
Title: Economics of Global Health

Description:
Examines reciprocal relationships between income, poverty and health across countries with a focus on identifying the effects of health on development. Addresses structural problems in delivery and quality of healthcare that arise from cultural as well as economic causes. Attention given to challenges of healthcare financing, and tension between high-tech care and basic care in developing countries. Students examine empirical evidence from interventions affecting health, including infant mortality reduction programs. Focus on issues of poverty alleviation and the promise of foreign aid. Prerequisites: (Economics 201 or Public Policy 303D) and (Economics 204D or 208D or Public Policy 604), or instructor consent.

GLHLTH340 - Social Determinants of US Health Disparities

Subject: GLHLTH  
Catalog Number: 340  
Title: Social Determinants of US Health Disparities

Description:
Introduction to how social factors influence health and well-being, with a particular focus on contemporary US society. Topics include obesity, aging, socioeconomic disadvantage, access to health insurance, public health systems, the role of the media, and racial/ethnic and gender inequalities. The course will provide descriptive assessments of health inequalities and analytic examinations of the mechanisms through which social factors affect health.

GLHLTH341 - Ethics of Global Infectious Disease Control

Subject: GLHLTH  
Catalog Number: 341  
Title: Ethics of Global Infectious Disease Control

Description:
Examination of the role of ethical decision-making when controlling infectious disease epidemics. Applies classic public health ethics of balancing individual liberty vs. public good to the new global health context of emerging infectious diseases such as HIV/AIDS, Ebola, and SARS, plus re-emerging infectious diseases such as multidrug-resistant TB, polio, and cholera. Explores questions of resource allocation, mandatory or voluntary prevention measures, and ethical obligations of health care workers vs. responsibilities of individuals in the context of new global public health. Prior global health coursework recommended.
GLHLTH345 - Global Health as an Ethical Enterprise

Subject: GLHLTH
Catalog Number: 345
Title: Global Health as an Ethical Enterprise

Description: Introduces the challenges of living an ethical life when conceived as an expression of compassion for distant strangers. Considers the organization of compassion into the multi-billion dollar political-economic enterprise of global health. Explores tensions between global health as an ethical enterprise and the political-economic realities of the high-income countries and multinational organizations that fund global health and support a vast development industry populated by thousands of non-governmental organizations, pharmaceutical and chemical corporations, and countless organizations dedicated to the advancement of medicine and health science. Fulfills global health ethics requirement.

GLHLTH350A - Mobility, Health and Healthcare Systems

Subject: GLHLTH
Catalog Number: 350A
Title: Mobility, Health and Healthcare Systems

Description: This Duke in Madrid course reflects on the relation among health as a collective process, with healthcare systems as one element of a whole ecology of care, where global and urban structures determine both people’s health and the organization of healthcare systems. Drawing on contemporary situations (pre-covid, covid, and post-covid) and diverse contexts (primarily European, but also North American and Latin American), we will explore the social components of health and how inequality (class, race, gender) affects the health of individuals and groups of population by exploring the role of the state, the market, and other actors (humanitarian, activist actors) in health provision.

GLHLTH353 - Life and Death: Global Perspectives

Subject: GLHLTH
Catalog Number: 353
Title: Life and Death: Global Perspectives

Description: Anthropological investigation of customs, practices, and beliefs that get activated when people (and other living beings) die. What constitutes life as in when does it start, what determines well-being, how is it measured; and what constitutes death as in a good versus bad death, by what medical definition, and according to what rituals and beliefs. Comparative inquiry into such questions as why brain-death is not accepted in some cultures and why people in some places prefer to die rather than live after an amputation. Topics will include organ transplants, gang warfare, cancer, and warzones from China and Botswana to Mexico and the United States.

GLHLTH362 - Understanding the Causes and Spread of Human Disease: Global Health Epidemiology

Subject: GLHLTH
Catalog Number: 362
Title: Understanding the Causes and Spread of Human Disease: Global Health Epidemiology

Description: How do we identify the causes and spread of diseases, such as Novel Coronavirus 2019 or Ebola? How do we estimate the effects of poverty, genetics, and other factors, on the risk of non-communicable diseases? Students will learn how to answer these questions, and others, using concepts and methods from the field of epidemiology. Each week we will tackle a distinct global health problem by reading relevant scientific articles. We will then learn methods to study these global health issues, including how to design observational and experimental studies to identify disease risk factors. A prior quantitative course is not required; however, an interest in empirical data analysis is recommended.
GLHLTH363 - Fundamentals of Global Mental Health

**Subject**
GLHLTH

**Catalog Number**
363

**Title**
Fundamentals of Global Mental Health

**Description**
Examines global mental health from perspectives of culture, public health, epidemiology, human rights, policy, and intervention. Readings focus on peer-reviewed research literature highlighting topics such as the prevalence of mental health disorders worldwide, the role of culture in mental health, and the interventions backed by strong evidence for prevention and treatment. Students will discuss and critique study methodologies and explore the needs for future research in this emerging field. Designed for students with prior research methods and psychology coursework.

GLHLTH364S - Research Seminar in Sexual and Gender Minority Health

**Subject**
GLHLTH

**Catalog Number**
364S

**Title**
Research Seminar in Sexual and Gender Minority Health

**Description**
This seminar course introduces students to global health policy and research focused on the health of sexual and gender minority (SGM) populations, and is intended for students in preparation for undergraduate research in social sciences and public policy focused on SGM health. Seminars are cooperative ventures and their success depends upon the full and active participation of each member of the class. Therefore, conscientious preparation and regular attendance are required. Each student is expected to develop an independent research project in SGM health.

GLHLTH371 - Research Methods in Global Health

**Subject**
GLHLTH

**Catalog Number**
371

**Title**
Research Methods in Global Health

**Description**
Introduction to research methods through examination of a variety of methodological techniques in behavioral and social sciences and relevant to multidisciplinary GH research. Problem-based approach to practice identifying GH questions of interest, ways to operationalize and test them, including strengths and weaknesses of different approaches. Focus on discussing current GH issues, exploring questions and solutions, reading and evaluating published research and interpreting results. Skills include identification of global health problems, awareness of contextual, behavioral, and ethical issues involved, conceptualization of research questions, and designing a research study.

GLHLTH371D - Research Methods in Global Health

**Subject**
GLHLTH

**Catalog Number**
371D

**Title**
Research Methods in Global Health

**Description**
Introduction to research methods through examination of a variety of methodological techniques in behavioral and social sciences and relevant to multidisciplinary GH research. Problem-based approach to practice identifying GH questions of interest, ways to operationalize and test them, including strengths and weaknesses of different approaches. Focus on discussing current GH issues, exploring questions and solutions, reading and evaluating published research and interpreting results. Skills include identification of global health problems, awareness of contextual, behavioral, and ethical issues involved, conceptualization of research questions, and designing a research study.
GLHLTH373 - Global Health Ethics in Research

Subject: GLHLTH  
Catalog Number: 373  
Title: Global Health Ethics in Research

Description: Introduces ethical and human rights concepts in Global Health and current issues in health ethics. Explores how to understand and engage in ethical health service, intervention, research and education. Requires students analyze and critique ethical choices of individuals, policy-makers and health workers. Explores standards of care, access to care, best outcomes vs. distributed justice. Focuses on ethics related to infectious diseases; obesity, alcohol and tobacco; and environmental health.

GLHLTH383SA - Global Health in Context: Sri Lanka

Subject: GLHLTH  
Catalog Number: 383SA  
Title: Global Health in Context: Sri Lanka

Description: A study abroad course based in Galle, Sri Lanka, this program combines students and instructors from three universities: Duke; Academic Medical Centre, University of Amsterdam; University of Ruhuna, Sri Lanka. Students engage on problems and solutions related to health and health disparities in a global context through study of health systems, burden of disease and epidemiological studies. Classroom studies and teamwork will be combined with academic excursions in Sri Lanka to learn from local public health experts, practitioners, community members and leaders. Analysis of readings on Maternal/Child Health, Emerging Infectious Diseases, Health of Vulnerable Workers, and Aging. Department consent required. Prerequisite: Global Health 101.

GLHLTH385S - Islam, Medicine, and Healing

Subject: GLHLTH  
Catalog Number: 385S  
Title: Islam, Medicine, and Healing

Description: This course explores the global history of Islamic medicine and healing through the intersections of religion and medicine in multiple contexts. It investigates how questions of health, healing, and illness have been addressed across premodern patterns, colonial and post-colonial transitions, up to the present. Students will examine how different approaches to spirituality, law, and science congeal and compete in relation to the human body, animals, food, pharmaceuticals, medicine, and hospitals. Through considering traditional healing practices to contemporary bioethics, this class analyzes how religion and medicine have been constituted, lived, and experienced around the world.

GLHLTH387 - Reimagining the World Together: Why Friendship Matters for Our Future

Subject: GLHLTH  
Catalog Number: 387  
Title: Reimagining the World Together: Why Friendship Matters for Our Future

Description: Explores friendship and why it matters in the frenzied world of 'likes' and 'swipes.' The average Facebook user has 155 friends. Instagram added a 'Close Friends' feature to distinguish friends from followers. Social media has weakened our sense of friendship. Still, Facebook users say that, of those 155 friends, they would trust only four in a crisis. Pursues the importance of friendship, not only as a place of private refuge but as a relationship of trust that facilitates insight and innovation and that has public purchase. Classes center on conversations between pairs of friends who bring their friendship, their work, and their imaginations to bear on the shape of the world in the future.
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<tr>
<td>GLHLTH</td>
<td>390</td>
<td>GLHLTH390 - Special Topics in Global Health Studies</td>
<td>Topics vary depending on semester and section. Topics may include: global health ethics, field methods, health technologies, rapid needs assessment, and global health policies.</td>
</tr>
<tr>
<td>GLHLTH</td>
<td>390A</td>
<td>GLHLTH390A - Duke-Administered Study Abroad: Special Topics in Global Health</td>
<td>Topics vary depending on semester and section. Topics may include: global health ethics, field methods, health technologies, rapid needs assessment, and global health policies.</td>
</tr>
<tr>
<td>GLHLTH</td>
<td>390L</td>
<td>GLHLTH390L - Special Topics with Lab in Global Health Studies</td>
<td>Topics vary depending on semester and section. Topics may include: global health ethics, field methods, health technologies, rapid needs assessment, and global health policies.</td>
</tr>
<tr>
<td>GLHLTH</td>
<td>390L-1</td>
<td>GLHLTH390L-1 - Special Topics with Lab in Global Health Studies</td>
<td>Topics vary depending on semester and section. Topics may include: global health ethics, field methods, health technologies, rapid needs assessment, and global health policies.</td>
</tr>
<tr>
<td>GLHLTH</td>
<td>390S</td>
<td>GLHLTH390S - Special Topics in Global Health Studies</td>
<td>Topics vary depending on semester and section. Topics may include: global health ethics, field methods, health technologies, rapid needs assessment, and global health policies.</td>
</tr>
<tr>
<td>GLHLTH</td>
<td>391</td>
<td>GLHLTH391 - Independent Study in Global Health</td>
<td>Individual non-research directed study in a field of special interest on a previously approved topic, under the supervision of a faculty member, resulting in a significant academic product. Open only to qualified juniors and seniors by consent of instructor and director of undergraduate studies in global health.</td>
</tr>
</tbody>
</table>
### GLHLTH391-1 - Independent Study in Global Health

**Subject**  
GLHLTH  

**Catalog Number**  
391-1  

**Title**  
Independent Study in Global Health  

**Description**  
Individual non-research directed study in a field of special interest on a previously approved topic, under the supervision of a faculty member, resulting in an academic product. Open only to qualified students by consent of instructor and director of undergraduate studies in global health.

### GLHLTH391-2 - Independent Study in Global Health

**Subject**  
GLHLTH  

**Catalog Number**  
391-2  

**Title**  
Independent Study in Global Health  

**Description**  
Individual non-research directed study in field of special interest on previously approved topic, under supervision of faculty member, resulting in an academic product. Open only to qualified students by consent of instructor and director of undergraduate studies in global health.

### GLHLTH392 - Student Research Training in Global Health

**Subject**  
GLHLTH  

**Catalog Number**  
392  

**Title**  
Student Research Training in Global Health  

**Description**  
The DGHI Student Research Training Program is an intensive experiential learning program that engages second and third year undergraduate students in the development, implementation and assessment of a community-based project. Students will work in Honduras, India, Kenya, and North Carolina, US on issues ranging from infant mortality to health care mapping to access to care for migrant populations and HIV/AIDS and substance abuse issues. Students will work directly with a faculty director and a community partner. Instructor consent required.

### GLHLTH393 - Research Independent Study in Global Health

**Subject**  
GLHLTH  

**Catalog Number**  
393  

**Title**  
Research Independent Study in Global Health  

**Description**  
Individual research-oriented directed study in a field of special interest on a previously approved topic, under the supervision of a faculty member, resulting in a significant academic product. Open only to qualified juniors and seniors by consent of instructor and director of undergraduate studies in global health.

### GLHLTH393-1 - Research Independent Study in Global Health

**Subject**  
GLHLTH  

**Catalog Number**  
393-1  

**Title**  
Research Independent Study in Global Health  

**Description**  
Individual research-oriented directed study in a field of special interest on a previously approved topic, under the supervision of a faculty member, resulting in a significant academic product. Open only to qualified juniors and seniors by consent of instructor and director of undergraduate studies in global health.

### GLHLTH395 - Connections in Global Health: Interdisciplinary Team Projects

**Subject**  
GLHLTH  

**Catalog Number**  
395  

**Title**  
Connections in Global Health: Interdisciplinary Team Projects  

**Description**  
Teams of undergraduate and graduate students work with faculty supervisors to identify, refine, explore and develop solutions to pressing global health issues. Teams may also include postdoctoral fellows, visiting global health fellows, and other experts from business, government, and the non-profit sector. A team’s work may run in parallel with or contribute to an ongoing research project. Teams will participate in seminars, lectures, field work and other learning experiences relevant to the project. Requires substantive paper or product containing significant analysis and interpretation. Instructor consent required.
### GLHLTH395-1 - Connections in Global Health: Interdisciplinary Team Projects

**Subject**: GLHLTH  
**Catalog Number**: 395-1  
**Title**: Connections in Global Health: Interdisciplinary Team Projects  

**Description**  
Teams of undergraduate and graduate students work with faculty supervisors to identify, refine, explore and develop solutions to pressing global health issues. Teams may also include postdoctoral fellows, visiting global health fellows, and other experts from business, government, and the non-profit sector. A team's work may run in parallel with or contribute to an on-going research project. Teams will participate in seminars, lectures, field work and other learning experiences relevant to the project. Requires substantive paper or product containing significant analysis and interpretation. Instructor consent required.

### GLHLTH395T - Bass Connections Global Health Research Team

**Subject**: GLHLTH  
**Catalog Number**: 395T  
**Title**: Bass Connections Global Health Research Team  

**Description**  
Tutorial course for Bass Connections yearlong project team. Topics vary depending on semester and section. Teams of undergraduate and graduate students work with faculty leaders to identify, refine, explore and develop solutions to pressing global health issues. Teams may also include postdoctoral fellows and experts from business, government and the nonprofit sector. A team's work may run in parallel with or contribute to an ongoing research project. Teams will participate in seminars, lectures, field work and other learning experiences relevant to the project. Requires final paper or product containing significant analysis and interpretation. Instructor consent required.

### GLHLTH396 - Connections in Global Health: Interdisciplinary Team Projects

**Subject**: GLHLTH  
**Catalog Number**: 396  
**Title**: Connections in Global Health: Interdisciplinary Team Projects  

**Description**  
Teams of undergraduate and graduate students work with faculty supervisors to identify, refine, explore and develop solutions to pressing global health issues. Teams may also include postdoctoral fellows, visiting global health fellows, and other experts from business, government, and the non-profit sector. A team's work may run in parallel with or contribute to an on-going research project. Teams will participate in seminars, lectures, field work and other learning experiences relevant to the project. Requires final paper or product containing significant analysis and interpretation. Instructor consent required.

### GLHLTH396-1 - Connections in Global Health: Interdisciplinary Team Projects

**Subject**: GLHLTH  
**Catalog Number**: 396-1  
**Title**: Connections in Global Health: Interdisciplinary Team Projects  

**Description**  
Teams of undergraduate and graduate students work with faculty supervisors to identify, refine, explore and develop solutions to pressing global health issues. Teams may also include postdoctoral fellows, visiting global health fellows, and other experts from business, government, and the non-profit sector. A team's work may run in parallel with or contribute to an on-going research project. Teams will participate in seminars, lectures, field work and other learning experiences relevant to the project. Requires final paper or product containing significant analysis and interpretation. Instructor consent required.
### GLHLTH396T - Bass Connections Global Health Research Team

**Subject** | GLHLTH  
**Catalog Number** | 396T  
**Title** | Bass Connections Global Health Research Team  

**Description**
Bass Connections Year-long Project Team. Topics vary depending on semester and section. Teams of undergraduate and graduate students work with faculty leaders to identify, refine, explore and develop solutions to pressing global health issues. Teams may also include postdoctoral fellows and experts from business, government and the non-profit sector. A team’s work may run in parallel with or contribute to an on-going research project. Teams will participate in seminars, lectures, field work and other learning experiences relevant to the project. Requires final paper or product containing significant analysis and interpretation. Instructor consent required.

### GLHLTH481 - Living, Dying, Healing in Russia

**Subject** | GLHLTH  
**Catalog Number** | 481  
**Title** | Living, Dying, Healing in Russia  

**Description**
Explores ways historical, cultural, political forces shape major moments of the life course and the stories told to make sense of them. Team taught by a professor of literature and a professor of anthropology, focus is on family life, sexuality, childbirth and its prevention; biomedical health care and alternative healing; survival in gulag (concentration camp) conditions; care for the dead and dying and their families. By examining compelling works from a range of genres—short story, ethnographic case study, memoir, and novel—students will learn analytical techniques from both fields, and hone interpretive and writing skills. Knowledge of Russian is not required.

### GLHLTH495S - Graduation with Distinction in Global Health Thesis Preparation Course

**Subject** | GLHLTH  
**Catalog Number** | 495S  
**Title** | Graduation with Distinction in Global Health Thesis Preparation Course  

**Description**
Accompanies the writing of a research-focused thesis in Global Health. Covers advanced research design, manuscript writing, interpretation of results, and oral presentation. Provides information on the thesis writing process and provides feedback on student projects. Students are expected to work closely with their faculty mentor on their project. Restricted to students enrolled concurrently in a research independent study and seeking Graduate with Distinction. May be open to Program II students whose thesis topic is directly related to global health and with permission of the instructor.

### GLHLTH495S-1 - Graduation with Distinction in Global Health Thesis Preparation Course

**Subject** | GLHLTH  
**Catalog Number** | 495S-1  
**Title** | Graduation with Distinction in Global Health Thesis Preparation Course  

**Description**
Accompanies the writing of a research-focused thesis in Global Health. Provides information on the thesis writing process and feedback on student projects. Covers basics of research design (identifying appropriate research questions and related analyses), interpretation of results, writing skills and strategies, and oral presentation. Students are expected to work closely with their faculty mentor on their project. Restricted to students enrolled concurrently in a research independent study and seeking Graduate with Distinction. May be open to Program II students if thesis topic is directly related to global health and with permission of the instructor. Department consent required.
GLHLTH496S - Graduation with Distinction in Global Health 2

**Subject**: GLHLTH  
**Catalog Number**: 496S  
**Title**: Graduation with Distinction in Global Health 2

**Description**
Accompanies the writing of a research-focused thesis in Global Health. Provides information on the thesis writing process and feedback on student projects. Covers basics of research design (identifying appropriate research questions and related analyses), interpretation of results, writing skills and strategies, and oral presentation. Students are expected to work closely with their faculty mentor on their project. Restricted to students enrolled concurrently in a research independent study and seeking Graduate with Distinction. May be open to Program II students if thesis topic is directly related to global health and with permission of the instructor. Departmental consent required.

GLHLTH499 - Global Health Capstone

**Subject**: GLHLTH  
**Catalog Number**: 499  
**Title**: Global Health Capstone

**Description**
Capstone Course for students in Global Health Major. Group analysis of a current global health problem/issue. Project involves background research, data acquisition, analysis, writing, and presentation of a substantial research paper/report at an advanced level. Consent of program director required.

GLHLTH89S - First Year Seminar: Special Topics in Global Health

**Subject**: GLHLTH  
**Catalog Number**: 89S  
**Title**: First Year Seminar: Special Topics in Global Health

**Description**
Topics vary depending on semester and section. Topics may include: global health ethics, field methods, health technologies, rapid needs assessment, and global health policies.

GREEK101 - Elementary Greek

**Subject**: GREEK  
**Catalog Number**: 101  
**Title**: Elementary Greek

**Description**
Structure of the language (grammatical forms, syntax, vocabulary, and pronunciation); introduction to reading.

GREEK102 - Elementary Greek

**Subject**: GREEK  
**Catalog Number**: 102  
**Title**: Elementary Greek

**Description**
Second half of Greek 101,102. Prerequisite: Greek 101.

GREEK111 - Intensive First-Year Greek

**Subject**: GREEK  
**Catalog Number**: 111  
**Title**: Intensive First-Year Greek

**Description**
Intensive introduction to ancient Greek language and culture. Includes structure of the language (grammatical forms, syntax, vocabulary, and pronunciation) and introduction to reading. Combines in one semester the work of Greek 101-102.
<table>
<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>GREEK203</td>
<td>203</td>
<td>Intermediate Greek</td>
</tr>
<tr>
<td>GREEK203A-1</td>
<td>203A-1</td>
<td>Intermediate Greek</td>
</tr>
<tr>
<td>GREEK252S</td>
<td>252S</td>
<td>Advanced Intermediate Greek</td>
</tr>
<tr>
<td>GREEK291</td>
<td>291</td>
<td>Independent Study</td>
</tr>
<tr>
<td>GREEK301A-1</td>
<td>301A-1</td>
<td>Advanced Greek</td>
</tr>
<tr>
<td>GREEK304S</td>
<td>304S</td>
<td>Greek Historians</td>
</tr>
<tr>
<td>GREEK308S</td>
<td>308S</td>
<td>Greek Philosophy</td>
</tr>
<tr>
<td>GREEK312S</td>
<td>312S</td>
<td>Greek Oratory and Rhetoric</td>
</tr>
</tbody>
</table>

### GREEK203 - Intermediate Greek
- **Subject**: GREEK
- **Catalog Number**: 203
- **Title**: Intermediate Greek
- **Description**: Readings in classical Attic prose literature. Prerequisite: Greek 102 or equivalent.

### GREEK203A-1 - Intermediate Greek
- **Subject**: GREEK
- **Catalog Number**: 203A-1
- **Title**: Intermediate Greek
- **Description**: Review of grammar, reading of selected texts. Taught at the Intercollegiate Center for Classical Studies in Rome. Consent required.

### GREEK252S - Advanced Intermediate Greek
- **Subject**: GREEK
- **Catalog Number**: 252S
- **Title**: Advanced Intermediate Greek
- **Description**: Introduction to ancient Greek poetry. Recommended prerequisite: Greek 203 or the equivalent.

### GREEK291 - Independent Study
- **Subject**: GREEK
- **Catalog Number**: 291
- **Title**: Independent Study
- **Description**: Individual non-research directed study in a field of special interest on a previously approved topic, under the supervision of a faculty member, resulting in an academic and/or artistic product. Consent of instructor and director of undergraduate studies required.

### GREEK301A-1 - Advanced Greek
- **Subject**: GREEK
- **Catalog Number**: 301A-1
- **Title**: Advanced Greek
- **Description**: Readings vary. Taught at the Intercollegiate Center for Classical Studies in Rome. Consent required.

### GREEK304S - Greek Historians
- **Subject**: GREEK
- **Catalog Number**: 304S
- **Title**: Greek Historians
- **Description**: Historians. Readings in Greek historians illuminating key themes, periods, historiographical conventions, especially historiography's role as font of ancient moral and ethical exempla. Authors might include Herodotus, Thucydides, Xenophon, Polybius, Diodorus Siculus, vel sim. Must have 2 years of Greek (or equivalent).

### GREEK308S - Greek Philosophy
- **Subject**: GREEK
- **Catalog Number**: 308S
- **Title**: Greek Philosophy
- **Description**: Philosophy. Investigation into key trends, themes, developments in Greek Philosophy, especially moral and political, through readings from the Pre-Socratic philosophers, Plato, Aristotle, Epicurus, and/or others. Must have 2 years of Greek (or equivalent).

### GREEK312S - Greek Oratory and Rhetoric
- **Subject**: GREEK
- **Catalog Number**: 312S
- **Title**: Greek Oratory and Rhetoric
- **Description**: Oratory/Rhetoric. Exploration of the theory and practice of ancient oratory and rhetoric, especially as regards negotiation of power through public speech. Includes readings from Antiphon, Andocides, Lysias, Isocrates, Isaeus, Demosthenes, Gorgias, Alcidamas, Aristotle, Ps.-Longinus, Demetrios ‘On Style, and/or others. Must have 2 years of Greek (or equivalent).
<table>
<thead>
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<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>GREEK</td>
<td>324S</td>
<td>Greek Epic</td>
<td>Epic. Readings in Greek epic, with attention to language, meter, oral poetics, characterization, narrative structure, ancient and modern interpretation, the epic tradition beyond Greece and Rome, epic poems as codifiers of socially constructed cultural norms. Authors and works might include Homer, Hesiod, and the Homeric Hymns. Must have 2 years of Greek (or equivalent).</td>
</tr>
<tr>
<td>GREEK</td>
<td>328S</td>
<td>Lyric and Hellenistic Poetry</td>
<td>Readings in Greek lyric and Hellenistic poetry. Possible authors and works include selected fragments from the major lyric poets, Pindar, Theocritus and/or others, particularly as they illuminate construction, testing, examination of Greek cultural identity. Must have 2 years of Greek (or equivalent).</td>
</tr>
<tr>
<td>GREEK</td>
<td>332S</td>
<td>Greek Drama</td>
<td>Reading and interpretation of selected plays by Aeschylus, Sophocles, Euripides, Aristophanes, and Menander, with attention to language, meter, staging, characteristic themes and conventions, and especially the cultural context of ancient drama and its use as an instrument and venue of public ethical and political debate. Must have 2 years of Greek (or equivalent).</td>
</tr>
<tr>
<td>GREEK</td>
<td>334S</td>
<td>Ancient Greek Scholarship: G(r)eeks on Greek</td>
<td>Team-based translation (and web publication) of ancient encyclopedias, lexica, scholia, commentaries, and other ancient scholarly works; most have not been translated into a modern language, so that the work of this class is an immediate, compelling, and citable contribution to scholarship. Students should have 4 semesters of college Greek (or equivalent). Ambitious students with less preparation should contact the professor; accommodation may be possible.</td>
</tr>
<tr>
<td>GREEK</td>
<td>344S</td>
<td>Greek Novel</td>
<td>Readings in the Greek novel with attention to genre, distinctive themes, narrative structure and techniques, characterization, and reception. Works include Achilles Tatius’ Leucippe and Clitophon, Chariton’s Chaereas and Callirhoe, Heliodorus’ Aethiopica, Longus’ Daphnis and Chloe, and Xenophon’s Habrocomes and Anthia. Prerequisite: Greek 101, 102, 203, and 204 (or equivalent).</td>
</tr>
<tr>
<td>GREEK</td>
<td>350S</td>
<td>Readings in the Greek Bible and the Greek Fathers</td>
<td>Readings in the Greek Bible and its ancient Greek reception. Texts may come from the Septuagint (the ancient Greek translation of the Jewish scriptures), the Greek New Testament, anonymous early Christian documents like the Didache, or from the works of the Greek Fathers. Study of the language (syntax and diction), textual history, authorship, composition and transmission, literary structure, social and historical contexts, message and aims, theological agenda, and ancient reception.</td>
</tr>
<tr>
<td>Subject</td>
<td>Catalog Number</td>
<td>Title</td>
<td>Description</td>
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<tr>
<td>GREEK</td>
<td>491</td>
<td>Independent Study</td>
<td>Individual non-research directed study in a field of special interest on a previously approved topic, under the supervision of a faculty member, resulting in an academic and/or artistic product. Consent of instructor and Director of Undergraduate Studies required.</td>
</tr>
<tr>
<td>GREEK</td>
<td>493</td>
<td>Research Independent Study</td>
<td>Individual research in a field of special interest under the supervision of a faculty member, the central goal of which is a substantive paper or project containing significant analysis and interpretation of a previously approved topic. Open only to qualified juniors and seniors; for seniors, the paper or project may partially fulfill the requirements for graduation with distinction. Consent of instructor and director of undergraduate studies required.</td>
</tr>
<tr>
<td>GSF</td>
<td>101S</td>
<td>Gateway Seminar: Gender and Everyday Life</td>
<td>What is gender? How does it impact your everyday life? Designed to introduce students to the study of gender, sexuality, and feminism, this course will explore these questions by focusing on settings in which gender shapes how we live, work, consume, see ourselves, forge identities, relate to others, navigate institutions, and make ethical decisions. Students’ reflections on their own experiences and understanding of gender will be a consistent theme. How does gender define the social spaces we move through and inhabit? How does gender structure the various social institutions that shape our lives? In every part of the course, gender will be connected to race, sexuality, class, and nation.</td>
</tr>
<tr>
<td>GSF</td>
<td>110S</td>
<td>Embodied Blackness</td>
<td>How is race embodied and how are bodies racialized? How do gender, sexuality, class, size, perceived beauty, and ability mutually influence embodiment? This course considers anthropological and historical studies of the body, with a critical focus on Blackness. We investigate how Black human bodies are otherted, valued, dehumanized, and experienced, across time and space, with a particular focus on the United States.</td>
</tr>
</tbody>
</table>
GSF122 - History of Latinxs in the United States

**Subject**  
GSF

**Catalog Number**  
122

**Title**  
History of Latinxs in the United States

**Description**  
This introductory course will cover the social, cultural, and political histories of Latino/as in the United States from 1848 to the present including the Treaty of Guadalupe Hidalgo, the Great Depression, WWI/WWII, the creation of Latino/a civil rights organizations, and the civil wars and free trade agreements of the 1980s and 1990s that have spurred so much of contemporary migration. Themes include colonialism and conquest, sexuality and gender, race and ethnicity, transnationalism and migration, social inequality and practices of resistance. This class will highlight the diversity of the Latino/a experience—focusing on the history of Afro-Latino/as, queer Latino/as, and undocumented Latino/as.

GSF160S - Gateway Seminar: The Global Sixties: Race, Revolution, Sexuality

**Subject**  
GSF

**Catalog Number**  
160S

**Title**  
Gateway Seminar: The Global Sixties: Race, Revolution, Sexuality

**Description**  
The 1960s in global context, focusing particularly on Europe, Latin America, and the United States. The rise of mass movements dedicated to racial, economic, and sexual justice, against the backdrop of Cold War and decolonization. The mobilization of music, film, and the body in the service of revolution, with attention also to the global backlash and the rise of a new conservatism. Course materials include memoirs, speeches, political treatises, and cultural artifacts from the period.

GSF188S - Gateway Seminar: The Price of Sex: Gender and the Global Political Economy

**Subject**  
GSF

**Catalog Number**  
188S

**Title**  
Gateway Seminar: The Price of Sex: Gender and the Global Political Economy

**Description**  
Explores how sex and gender have shaped economic policies and opportunities in different settings, particularly in the modern era (19th, 20th, and 21st centuries). Will focus on public policies and normative practices at the local, national, and international levels. As a gateway seminar for the history major, will focus on developing an understanding of historiography and methodology culminating in a prospectus for a future research project.

GSF189 - Women and Gender in the Middle East

**Subject**  
GSF

**Catalog Number**  
189

**Title**  
Women and Gender in the Middle East

**Description**  
An introductory survey exploring the Middle East through the gender perspective. Introduction to the gender and women's studies in the Middle East and the major issues. Cross-cultural and interdisciplinary readings to introduce the diversity of the region. Readings and screenings include the narratives and performances from the region.

GSF190A - Duke-Administered Study Abroad: Special Topics in Women's Studies

**Subject**  
GSF

**Catalog Number**  
190A

**Title**  
Duke-Administered Study Abroad: Special Topics in Women's Studies

**Description**  
Topics differ by section.

GSF190S - Special Topics in Women's Studies

**Subject**  
GSF

**Catalog Number**  
190S

**Title**  
Special Topics in Women's Studies

**Description**  
Seminar topics vary, focusing on interdisciplinary work arising from feminist scholarship.
GSF191FS - Intersections of the Sexual Brain

**Subject**  | **Catalog Number**  | **Title**  
--- | --- | ---  
GSF | 191FS | Intersections of the Sexual Brain  

**Description**  
Understanding how the human brain and environment interconnect evolved dramatically with recent advances in neuroscience research methods. Students analyze such interconnections and the impact on societal theories of human sexuality. Students assess influential factors such as ethnicity/race, culture, and religion, all diversely represented in contemporary America. Students read and discuss scientific and popular articles with historical context and explore the consequences of scientific observations on the personal, societal and political levels. Students develop written and oral communication skills and work collaboratively with fellow peers. Open only to Focus Program students.

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GSF195 - Critical Approaches to Global Issues

**Subject**  | **Catalog Number**  | **Title**  
--- | --- | ---  
GSF | 195 | Critical Approaches to Global Issues  

**Description**  
Introduction to critical transnational studies through several disciplinary approaches. Examines capitalism and neo-liberal globalization and their relationships to culture, politics, economics, and other social forms and outcomes; considers transnationalism 'from below'; addresses linear and Western-centric thinking about progress and modernity; focuses a historical lens on political discourses, institutions, and projects to understand them contextually; demonstrates how cultures and identities are dynamically constituted in interaction with historical, material, political, and situational factors; considers how different inequalities and contestations inflect most social formations.

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GSF198 - LGBTQ/Queer Cinema and Cultural Production

**Subject**  | **Catalog Number**  | **Title**  
--- | --- | ---  
GSF | 198 | LGBTQ/Queer Cinema and Cultural Production  

**Description**  
This class investigates LGBTQ identities, communities and relationships pre, post, and during the Stonewall era through cinema, television, and new media. We will also explore constructions of sexuality, gender, class, race, and nationalism within the context of LGBTQ transnational film cultures and scholarship.

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GSF199S - Thinking Gender: An Introduction to Feminist Theory

**Subject**  | **Catalog Number**  | **Title**  
--- | --- | ---  
GSF | 199S | Thinking Gender: An Introduction to Feminist Theory  

**Description**  
Introduction to foundational concepts in feminist thought on sex and gender. Survey of core concepts in the field of Women's Studies and introduction to the fundamental debates within the history of feminist thinking.

---

GSF201 - Race, Film, and Religion

**Subject**  | **Catalog Number**  | **Title**  
--- | --- | ---  
GSF | 201 | Race, Film, and Religion  

**Description**  
In this course, we will examine how cinema both constructs and reproduces anti-black racism and how cinema works to liberate blackness from the strictures of racial domination. We will watch films from the past three decades that provide an opportunity to interrogate the relationship between race, gender, and sexuality. These films will also enable us to think about how cinema introduces unconventional notions of the sacred, a process that involves affect, desire, and imagination. Films that we watch may include: Moonlight, Medicine for Melancholy, Black Panther, Daughters of the Dust, Get Out, US, Pariah, and Selma.

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GSF202S - Introduction to LGBTQ Studies

**Subject**  | **Catalog Number**  | **Title**  
--- | --- | ---  
GSF | 202S | Introduction to LGBTQ Studies  

**Description**  
Topics include homosexuality and theory, history, law, religion, education, the arts and literature, the military, and the health sciences.
GSF206S - Women, Gender, and Christian Origins

Subject: GSF  
Catalog Number: 206S  
Title: Women, Gender, and Christian Origins

Description
A study of early Christian perspectives on women and gender as expressed in the New Testament and other Jewish and early Christian writings within the context of ancient Mediterranean religions. Topics addressed include: women's roles, ancient discussions of masculinity and femininity, institutional arrangements and the household, and the development of the category 'virgin.'

GSF209S - Muslim Women Across the Ages

Subject: GSF  
Catalog Number: 209S  
Title: Muslim Women Across the Ages

Description
This course explores the diverse realities of Muslim women's lives, from the origins of Islam to the present, through autobiographical and biographical accounts situated in their social, economic, political, and cultural contexts. The women we will encounter through textual and audiovisual materials represent a wide range of personal backgrounds, including scholars, mystics, merchants, philanthropists, poets, slavegirls, feminists, and Islamists. We will metaphorically travel across the globe and time to understand the multifarious facets of Muslim women's lived experiences.

GSF211S - Gender and Slavery in the Americas

Subject: GSF  
Catalog Number: 211S  
Title: Gender and Slavery in the Americas

Description
Atlantic slave systems were gendered systems. Across lines of nation and empire, African-descended women and their reproductive labor were crucial to the formation of New World slave systems and the racial ideology that underwrote them. The study of gender is therefore critical in understanding slavery in the Americas. This course analyzes slave systems in North America, Latin America, and the Caribbean. Our aim will be to explore major points of emphasis in the histories of gender and slavery in these diverse locales. For their final project, students will have the opportunity to engage an area of this historiography more deeply in the form of a paper on a topic of their choosing.

GSF212 - Gender in Dance and Theatre

Subject: GSF  
Catalog Number: 212  
Title: Gender in Dance and Theatre

Description
Ways in which gender and sexuality are conceptualized in selected performance cultures. Interprets these historically constituted social formations through an examination of the diverse cultural constructions of gender meanings, representations and ideologies as interpreted and expressed in dance and theatre. Symbolic meanings of gender in relation to forms of social life and theatrical experience. The Devadasi in India, the concept of the male embodied Onnagata, and the notion of the female embodied Otokoyaku in the dance-theatre of Japan.
GSF214 - Contemporary Israeli Cinema

Subject: GSF  
Catalog Number: 214  
Title: Contemporary Israeli Cinema

Description:

GSF216 - Gender and Socialism

Subject: GSF  
Catalog Number: 216  
Title: Gender and Socialism

Description:
History of socialist feminism as a global political movement and philosophical-theoretical tradition with a special focus on its divergent national trajectories and conflict-ridden relationship with liberal feminism and socialist and communist movements and governments in Europe, Russia, China and US since the nineteenth century; offers an overview of European, Russian, Chinese and US history of the last two centuries; includes exploration of principles and aspirations that informed socialist theory of modern society, social justice, family, motherhood, parenthood, sexual difference, gender equality as well as public policies and legislation instituted or informed by the socialist tradition.

GSF217 - Gender and Culture

Subject: GSF  
Catalog Number: 217  
Title: Gender and Culture

Description:
Explanation of differing beliefs about gender cross-culturally, by comparison with dominant themes about gender in our own cultural history and contemporary ideological struggles.

GSF220 - Case Studies in Global Sexual and Reproductive Health

Subject: GSF  
Catalog Number: 220  
Title: Case Studies in Global Sexual and Reproductive Health

Description:
Through the examination of weekly case studies, students will explore the complexity of working in the field of global sexual and reproductive health and the ways in which various health and social science disciplines can be integrated in the development of effective health programs. Session topics will include family planning, maternity care, gender-based violence, abortion, and HIV/AIDS. Using examples from the US and low-and middle-income countries, students will identify key focus areas in sexual and reproductive health, technical and programmatic challenges and successful interventions. Recommended prerequisite: Global Health 212.

GSF221 - Women at Work: Gendered Experience of Corporate Life

Subject: GSF  
Catalog Number: 221  
Title: Women at Work: Gendered Experience of Corporate Life

Description:
Analysis of gender, class and race in contemporary business organizations and roles of men and women within them. Management systems, information technology and human resource systems, as artifacts to larger, gendered environment.

GSF222 - Gender and Philosophy

Subject: GSF  
Catalog Number: 222  
Title: Gender and Philosophy

Description:
Issues in political and moral philosophy in their bearing on feminist concerns, including political equality and rights, preferential treatment, feminist and nonfeminist critiques of pornography, and the morality of abortion.
GSF222S - Gender and Philosophy
Subject: GSF
Catalog Number: 222S
Title: Gender and Philosophy
Description: Seminar version of Philosophy 222.

GSF223 - Manifesto Workshop: Climate Change, Afro-/Solar Punk, and Performance
Subject: GSF
Catalog Number: 223
Title: Manifesto Workshop: Climate Change, Afro-/Solar Punk, and Performance
Description: Manifesto Workshop: Afro-/Solarpunk, Climate Change, and Performance is a performance-based workshop that seeks to explore radical, embodied storytelling through the lenses of several manifestos: Afrofuturism, Solarpunk, Environmental Justice, and Queer Utopias. Through creative research, embodied 'in(queer)y,' and collaborative theater-making, the workshop will culminate in a public performance of original student work.

GSF225 - Women and the Political Process
Subject: GSF
Catalog Number: 225
Title: Women and the Political Process
Description: A systematic analysis of the U.S. political system, electoral politics, platform implications, and leadership trends in the context of women's role in political life, as voters, leaders, and citizens.

GSF226S - Writing American Politics
Subject: GSF
Catalog Number: 226S
Title: Writing American Politics
Description: Reading and writing intensive seminar focused on documentary works that document and discuss US politics and political movements. Engage and analyze historical and contemporary documentary media on the Populist movement, the long civil rights movement, the modern women's movement, Black Lives Matter, Moral Mondays, and other social movements, as well as US elections and significant figures in US politics. Emphasis on 20th century. Course materials include historical writings, journalism, memoir, fiction, music, and film. Guided research on a US political phenomenon resulting in a 20-page final paper.

GSF227S - Politics of Pandemics
Subject: GSF
Catalog Number: 227S
Title: Politics of Pandemics
Description: Exploration of social, cultural, historical, and political facets of epidemic disease and widespread health crises. Key concepts of medical anthropological research and writing; reading ethnographic texts alongside journalistic, literary, and policy accounts of disease experiences and institutional responses. Assess scope, scale, and genre associated with representing pandemics. Analyze global case studies of both infectious and chronic diseases.

GSF229S - Space-Body-Image
Subject: GSF
Catalog Number: 229S
Title: Space-Body-Image
Description: Analyzes ways the production of space in architecture and urban theory also produce images of the ideal bodies supposed to inhabit them. Explores limits of the production of space from standpoint of feminist, queer, and critical race theory, as well as through current research in disability studies. Surveys efforts by contemporary artists, writers, and filmmakers to interrupt prevailing images of space and imagine new kinds of bodies to move within.
### GSF230 - Gender in the Economy

**Subject** | **Catalog Number** | **Title**
---|---|---
GSF | 230 | Gender in the Economy

**Description**
Economics of gender including the status of women in the labor market; feminist economic theories; ethical considerations of gender-based inequalities; gendered division of labor within the family and between the household and labor market. Comparisons of women's status across different cultures and geographic areas; gender-related measurements and indicators; explanations and remedies for female/male occupational segregation and wage differentials. Prerequisite: Economics 201D.

### GSF232 - Gender and Language

**Subject** | **Catalog Number** | **Title**
---|---|---
GSF | 232 | Gender and Language

**Description**
Theoretical approaches to the question of the interrelationship of gender and language including neurobiology, psychology, semiotics, feminist critical theory, philosophy of language, discourse analysis, and linguistic theory. Taught in English.

### GSF233S - Documenting US Women's Health Post-Roe v. Wade

**Subject** | **Catalog Number** | **Title**
---|---|---
GSF | 233S | Documenting US Women's Health Post-Roe v. Wade

**Description**
The overturning of Roe v. Wade in June 2022 led to the deaths of two women in South Carolina. One woman died from sepsis following self-instrumentation, and the second died after giving birth to a healthy baby. She began to hemorrhage; hospital administrators were afraid that the 'D&C' she needed to survive was too close to the abortion procedure. A physician team at Duke University Hospitals, led by Dr. Beverly Clark, began to see similar cases in North Carolina. The aim of this course is to document—in real time—the political and ethical dimensions of the situation that healthcare providers now find themselves in as they attempt to provide women the nationwide medical 'standard of care.'

### GSF235S - Clinical Issues for the LGBTQ Community

**Subject** | **Catalog Number** | **Title**
---|---|---
GSF | 235S | Clinical Issues for the LGBTQ Community

**Description**
An introduction to LGBTQ issues in the mental-health field and other people-focused professions, e.g. medicine, education, and law. An examination of the historical treatment of the LGBTQ population in psychological practice, the evolution of mental-health care for members of the LGBTQ community, and the psychological effects of social norms on LGBTQ individuals, couples, and families, including non-pathologizing, heterosexual bias, genderism, self-identification, coming out, multiple-minority identities, parenting, and couple dynamics.
GSF236S - Selena: Music, Media, and the Mexican American Experience

Subject: GSF
Catalog Number: 236S
Title: Selena: Music, Media, and the Mexican American Experience

Description:
How did singer Selena Quintanilla impact the world and why does she remain as such an important cultural fixture for Mexican-American communities? This class explores the life, music, and legacy of Selena Quintanilla. We will discuss how Selena used music to navigate a complex Mexican-American identity. Focusing on intersectional feminism, sexuality, iconicity, and fandom, we will learn about Selena's music throughout the years and consider how these themes are interpreted and complicated across borders. Course materials engage readings from pop music studies, gender, sexuality, and feminist studies, Latinx studies and include a range of films, audio recordings, and podcasts.

GSF239 - Women, Gender, and Sexuality in U.S. History

Subject: GSF
Catalog Number: 239
Title: Women, Gender, and Sexuality in U.S. History

Description:
Major questions relating to women and women's place in society over the course of U.S. history, broadly defined, from the colonial period to the present: How did different groups of women see themselves as women? How did views of women's sexuality change? How did men's and women's relationships and roles change? How did women understand their connections to the larger society? How did race, ethnicity, and class shape all those issues? Course uses a variety of materials, including novels, movies, images, and music to explore the ethical contours of women's lives in the past, following change over time to better understand women's position today.

GSF239D - Women, Gender, and Sexuality in U.S. History

Subject: GSF
Catalog Number: 239D
Title: Women, Gender, and Sexuality in U.S. History

Description:
Major questions relating to women and women's place in society over the course of U.S. history, broadly defined, from the colonial period to the present: How did different groups of women see themselves as women? How did views of women's sexuality change? How did men's and women's relationships and roles change? How did women understand their connections to the larger society? How did race, ethnicity, and class shape all those issues? Course uses a variety of materials, including novels, movies, images, and music to explore the ethical contours of women's lives in the past, following change over time to better understand women's position today.

GSF240S - Reading Like a Queer

Subject: GSF
Catalog Number: 240S
Title: Reading Like a Queer

Description:
Seminar introduces students to theory and practice of reading in Queer Studies through a variety of novels, films, and cultural criticism. Designed for mid level undergraduates who have some familiarity with literary studies and/or queer theory, but does not require prerequisites.
**GSF241S - Bodies at Work**

**Subject**
GSF

**Catalog Number**
241S

**Title**
Bodies at Work

**Description**
This course traces the dynamic relationship between bodies and economies over the course of American history. If disability has been defined as the inability to work, then an exploration of disability necessitates an exploration of capitalism. Moving between disability studies and labor history, students will develop the conceptual tools necessary to understand capitalism through the lens of disability, while also generating new ways to think about disability via critical histories of capitalism. We will also look at how disabled people have pushed back, envisioning new ways of valuing bodies beyond productivity.

**GSF242 - Race, Gender, Class, & Computing**

**Subject**
GSF

**Catalog Number**
242

**Title**
Race, Gender, Class, & Computing

**Description**
This course explores the diversity, equity, and inclusion (DEI) challenges in computing through an introduction to and analysis of identity as a social construct, its impact on computing departments and organizations, and the resulting impact of technology on various identities.

**GSF243S - Sound, Music, and Gender**

**Subject**
GSF

**Catalog Number**
243S

**Title**
Sound, Music, and Gender

**Description**
This seminar explores key topics in gender, sexuality, and feminist studies through musical case studies from contrasting cultural contexts. Through analyses of sonic expressive practices (e.g. drag, queer and trans voices, sex and rock, feminist listening) we consider 1) how genders sound and how sounds gender; 2) music’s capacity to transgress, (re)form, and transform—as well as its complicity in perpetuating oppression; 3) music as a resource for dreaming and desiring. No music background is necessary.

**GSF244S - The Politics of Motherhood: Security Mothers, Soccer Moms, Movement Moms, and Beyond**

**Subject**
GSF

**Catalog Number**
244S

**Title**
The Politics of Motherhood: Security Mothers, Soccer Moms, Movement Moms, and Beyond

**Description**
Following Adrienne Rich’s lead, this course will consider motherhood as both institution and experience. Topics to be covered include Mothers of the Movement, Black Lives Matter mothers, race and maternal health, ‘mommy wars’ and battles over breastfeeding, attachment parenting, work/family balance, security mothers, soccer moms, working mothers, bad mothers, other-mothers, and decisions not to mother.
GSF245S - Women in Visual Arts, 1400-1800: Theory and History

**Subject**
GSF

**Catalog Number**
245S

**Title**
Women in Visual Arts, 1400-1800: Theory and History

**Description**
Through lectures, discussion and individual projects, this course considers the roles women have played in the Early Modern art world as makers, buyers, patrons, donors, critics, and art collectors. It also takes up issues of gender, of race, of masculinity as well as femininity. A central theme of this class is how debates about the so-called Woman Question, which was essentially an ongoing quarrel about the nature and social role of women, shaped the representations and experiences of women of different classes and conditions. Our focus will be on visual representations, as well as period writing of and by women.

GSF248S - Book Publishing & Marketing: A Case Study of the Romance Fiction Industry

**Subject**
GSF

**Catalog Number**
248S

**Title**
Book Publishing & Marketing: A Case Study of the Romance Fiction Industry

**Description**
A case study of the US romance fiction industry and its global reach. The romance novel is the most popular form of fiction in the world. Its industry is powered by women, produces a product consumed by women, and exports to global audiences. Includes: its history, role in popular American culture, and rise to dominate the fiction market; how creative projects become commercial products; dramatic shifts in the book industry over three centuries, including the ebook- and self-publishing revolutions; how notions of gender and sexuality have shaped the aggressive and ingenious marketing of romance fiction from its origins; representations of race in romance fiction.

GSF251FS - Gendering the Renaissance

**Subject**
GSF

**Catalog Number**
251FS

**Title**
Gendering the Renaissance

**Description**
Course studies the debates around women, gender, and sexuality in Renaissance Italy and Europe (ca.1400–1700). Framed historically as 'the woman question' (la querelle des femmes), these debates challenged women's nature, capabilities, and intellect, sparking robust response by women poets and philosophers, as well as by male defenders of the female sex. An interdisciplinary approach studying how gendered expectations for Renaissance women and men emerged across lyric poetry, conduct manuals, medical treatises, political pamphlets, paintings, theater, and early opera. We will contextualize early examples of premodern femininm, anti-femininm, misogyny, and prejudice compared to models today.

GSF253S - Popular Arts and Culture in Africa

**Subject**
GSF

**Catalog Number**
253S

**Title**
Popular Arts and Culture in Africa

**Description**
This course explores the popular arts and cultural production in Africa across a range of media. It will explore the links and relationships between popular culture and fiction, popular literatures, be they in magazines or pamphlets, consumption, gender, and desire in the popular imagination, as well as popular sonic and visual cultures in Africa.
GSF256S - Climate, Culture and Identity

Subject
GSF

Catalog Number
256S

Title
Climate, Culture and Identity

Description
This course focuses on some of the transformations that climate change is bringing - not just to human livelihoods and to the non-human world, but to the very definition of the human. In an era defined by the overwhelming influence of homo sapiens on the planet, historic distinctions between nature and culture are starting to blur and fall apart. What role can feminist and queer theory play in helping us to understand these changes to human identity? What can gender studies contribute to techno-scientific understandings of a global warming? We'll take on these and many other questions through readings in literature and theory, and experiential learning with the Duke Campus Farm.

GSF258S - Women and Power in the Renaissance

Subject
GSF

Catalog Number
258S

Title
Women and Power in the Renaissance

Description
Explores the intellectual, social, and political history of women in Renaissance Europe. Despite the overwhelmingly patriarchal nature of early modern society, many women wrote treatises, dialogues, and poetry in which they argued for a broader role for women. Students will examine these primary texts (some by famous figures, others by much less well-known writers) within the context of a burgeoning social history that has provided a more nuanced view of gender relations and power in this period.

GSF259S - Brazil, Race, Sex, and the Body

Subject
GSF

Catalog Number
259S

Title
Brazil, Race, Sex, and the Body

Description
The approach of the course will be interdisciplinary, drawing upon works from anthropology, literature, history, and film. Topics will include colonialism and enslavement, abolition, nationalism, social activism, and popular culture. We will also consider how Brazilian social relations differ from or conform to other racialized patterns in other nation-states in the Americas. Particular attention will be placed on the impact of the interrelationship between race, gender, class, and nation on the lives of Black Brazilians.

GSF260 - The Actress: Celebrity and the Woman

Subject
GSF

Catalog Number
260

Title
The Actress: Celebrity and the Woman

Description
Explores through fiction, film, autobiographies, and biographies the significance and influence of the actress (on stage and screen) from eighteenth century to present day. Highlighted topics: actress's self-image and perception of her art; relationship between her public profession and private life; how she reflects/sets contemporary standards for beauty and lifestyle; how she provokes public debate over women's 'appropriate' sexual, familial, professional, and public roles; her function as symbol/role model for her gender, race, nation. Includes Sarah Bernhardt's memoirs, Chekhov's The Seagull, Susan Sontag's In America, films All About Eve and Mommie Dearest. Taught in English.
GSF261 - From History to Fantasy: Medieval Religions in Film & Fiction

**Subject:** GSF  
**Catalog Number:** 261  
**Title:** From History to Fantasy: Medieval Religions in Film & Fiction

**Description:** Explores the intersection of modern popular culture and medieval religious culture. Deep dive into how modern creators of mass entertainment use common notions of medieval faith, power, race, sexualities and violence to capture and hold our interest, teach us lessons about ourselves, and sell products. How do our ideas of faith, sexuality, race and power inspire or constrain the fiction we create about the past? What impact does this have on consumers? Monks, nuns, knights, crusades, secret societies, suffragists, alt-right, plague. Modern novels, commentaries, history, medieval texts, neurobiology, TV, films, ads, games, memes, clubs. Read, discuss, write, research.

GSF263S - Representing Breast Cancer: Feminist Literature, Art, and Film

**Subject:** GSF  
**Catalog Number:** 263S  
**Title:** Representing Breast Cancer: Feminist Literature, Art, and Film

**Description:** Analyzes representations of breast cancer in feminist literature, art, and film. Drawing on health feminism, feminist medical ethics, and disability studies, explores what those representations tell us about the intersections among gender, race, class, sexuality, and ability in both the Global North and South. Sets artistic representations of breast cancer against the hyper-sexualization of breasts in capitalism's visual cultures and the spectacles of breast cancer activism. Shows how literature, art, and film can reveal health care's material conditions as well as breast cancer's psychic complexities.

GSF265S - Introduction to Digital Feminism

**Subject:** GSF  
**Catalog Number:** 265S  
**Title:** Introduction to Digital Feminism

**Description:** The aim of this course is to critically analyze digital culture from a feminist and gender studies perspective. We will address topics related to digital innovation and its history, unpacking and questioning them through the insights offered by genders studies analytical tools. Subjects such as the rise of the Silicon Valley, gaming culture, social media, algorithms, Artificial Intelligence, extraction of data applied to biotechnology, macroeconomic development of IT platforms and the impact of technology on ecology will be discussed starting from a current event or debate, to which we will give a historical, ethical, sociological, theoretical, literary or cinematographic perspective.

GSF266 - Gender and Sexuality in the Ancient World

**Subject:** GSF  
**Catalog Number:** 266  
**Title:** Gender and Sexuality in the Ancient World

**Description:** Class examines ancient erotic poetry, prose, material evidence (e.g., vase paintings) to explicate gender as a cultural sign: sexuality as a language in which other business is transacted. 'Obscene' literature, paintings, etc. evidence how the ancients constructed men, women, sexuality—but also social hierarchies, national prerogatives, and identity.
### GSF267S - Picaras and Outlaws: Global South Feminisms

**Description**
The term 'pícara' or 'rogue outlaw' was designed to regulate and criminalize the bodies of women transgressing boundaries. This course uses the term to delve into the heroic histories of some of the most prominent women voices across the Global South and the various ways they challenge normalized and heteronormative structures of society. From a Cuban slave revolt leader, or the 17th century colonial 'Memoire of Basque Transvestite in the New World,' to the seminal Borderlands=La Frontera, prominent African Feminist theorists, and pop culture film Real Women Have Curves, we will read and engage in some of the most daring accounts of women power throughout the ages.

### GSF269SA - Gender and Immigration between Europe and the Middle East

**Description**
Investigates the gendered experience of immigration and its implications for changing the culture both at home and in the hosting countries. Between the traditions of the country of origin and acculturation to the new home, women and LGBTQ communities are the most vulnerable facing gender-based discrimination and violence. Nonetheless, immigration also offers the opportunity to cross the borders of binaries, such as femininity and masculinity, which can be empowering and liberating. This seminar is offered as part of the Middle East in Europe: Berlin/Istanbul study abroad program.

### GSF272S - Sexuality and the Law

**Description**
This course will introduce students to legal and ethical issues at the intersection of law, gender and sexuality. The course will use interpretive methods used in jurisprudence, as well as conceptual tools developed by feminist, critical race and queer theoreticians to explore such issues as the criminalization of gay sex, the equal protection of all persons regardless of their sexual orientation or gender identity, and the role of the state in resolving perceived conflicts between that right to equal protection and the right to religious freedom. The course will take a cross-cultural / multi-jurisdictional comparative approach to these issues.

### GSF273S - Gender and Media

**Description**
The aim of this course is to critically analyze media culture and communication landscapes from a feminist and gender studies perspective. We will address a wide range of media innovations and their histories, unpacking and critically questioning them through the insights offered by feminist, queer, and intersectional analytical tools. To each, we will examine historical, ethical, sociological, theoretical, literary or film perspectives. What roles do media spaces play in our everyday lives and how do our politics and self-understandings inform and reflect burgeoning platforms? This course will consider these questions in terms of US media cultures and its interconnected global frameworks.

### GSF274S - Masculinities & Global Politics

**Description**
The course uses readings and films to examine masculinities historically and transnationally, including a unit on masculinities in US politics; draws from history, sociology, feminist geography, popular culture studies, Black studies, and sexuality and queer studies; interactive lectures and guest scholars. Each student is guided to complete an interview-based research project with three male-identified persons of multiple generations with serves in lieu of a final exam.

### GSF275 - Food, Farming, and Feminism

**Description**
Viewing 'agriculture,' 'nature,' and 'consumption' as pressing feminist themes and exploration of various dimensions of the cultural and political ecology/economy of producing, processing, circulating, preparing, and consuming sustenance. Particular focus on the ethical impact of US policy on rural farm communities and developing nations.
**GSF276 - Performance Art History and Theory**

**Subject**
GSF

**Catalog Number**
276

**Title**
Performance Art History and Theory

**Description**
Performance Art History and Theory explores cultural experimentation, theoretical strategies, and ideological aims of performance art internationally; examines interchanges between artists' theories of performance, stylistic development, and impact in the context of cultural criticism and art history; traces interdisciplinary genealogies of performance globally; thinks about the body as a vehicle for aesthetic expression, communication, and information in its critique of social and political conditions; studies performance and gender, sexuality, race, and class; asks how performance alters the semiotics of visual culture and contributes to a paradigm shift from modernism to postmodernism.

**GSF277D - Global Art Since 1945**

**Subject**
GSF

**Catalog Number**
277D

**Title**
Global Art Since 1945

**Description**
Major avant-garde movements of the post-World War II era, with a concentration on the unprecedented changes in the mediums of art, its forms, impact on society and politics, and ethical role in shaping culture through painting and sculpture, conceptual and performance art, installation and new media, video, photography, and film.

**GSF278 - Sex/Gender - Nature/Nurture: Intersections of Biology and Society**

**Subject**
GSF

**Catalog Number**
278

**Title**
Sex/Gender - Nature/Nurture: Intersections of Biology and Society

**Description**
Debates about sexuality, sex, and gender hinge on radically different ideas about relative effects of biological forces vs. social forces, or nature vs. nurture. Course changes terms of arguments about sexuality and gender and nature/nurture. Explores how nature/nurture emerged as scientific and popular debate. Evaluates new developments in science and cultural fields that are now reconsidering how biology and environments interact. Showcases debates about how sex and sexuality are formed through interplay of genetic information, hormones, material bodies, and social environments.

**GSF279 - Melodrama East and West**

**Subject**
GSF

**Catalog Number**
279

**Title**
Melodrama East and West

**Description**
Melodrama as a genre in literature and as a mode of representation in film and other media. Issues include: gender construction, class formation, racial recognition, and national identity-building. Emphasis on comparative method attending American and Chinese cultures and the politics of cross-cultural representation.

**GSF281 - Avant-Garde Art 1900-1945**

**Subject**
GSF

**Catalog Number**
281

**Title**
Avant-Garde Art 1900-1945

**Description**
Major artistic movements and theoretical aims of early modernism: fauvism, cubism, expressionism, futurism, constructivism, suprematism, dada, surrealism, deStijl, Bauhaus, and Neue Sachlichkeit in France, Italy, Germany, America.
GSF285S - Love, Sex, Madness in Caribbean Fiction and Film

**Subject**
GSF

**Catalog Number**
285S

**Title**
Love, Sex, Madness in Caribbean Fiction and Film

**Description**
This course explores the themes of love, sex, and madness as the lenses through which Caribbean writers and filmmakers have challenged traditional ideas of citizenship, family, gender roles, and political power. What, for example, is the connection between a dictatorship in Haiti and women's sexual desire? How does the figure of 'the mad Creole woman' challenge masculinist constructions of national identity in the early years of independence in Africa? How might the love between a mother and child be read as an act of anti-colonial resistance? We will examine these questions through novels, short stories, and films. Recommended prerequisite: French 204 or equivalent.

GSF288S - Global South Asia: History and Culture of Diaspora

**Subject**
GSF

**Catalog Number**
288S

**Title**
Global South Asia: History and Culture of Diaspora

**Description**
This course examines the making of South Asia (Afghanistan, Bangladesh, India, Myanmar, Pakistan, and Sri Lanka) as a global space from the early 20th-century until today. In addition to an examination of the region, course material will also address the South Asian Diaspora, particularly throughout Australia, East Africa, Southern Africa, Canada, the Caribbean, France, Germany, the United Kingdom, and the United States. Topics may include imperialism and decolonization; the making of postcolonial nation-states; migration, labor, and citizenship; and the global circulation of caste, class, religion, gender, and sexuality.

GSF290 - Selected Topics in Women's Studies

**Subject**
GSF

**Catalog Number**
290

**Title**
Selected Topics in Women's Studies

**Description**
Topics vary, focusing on interdisciplinary work arising from feminist scholarship.

GSF290A - Selected Topics in Women's Studies

**Subject**
GSF

**Catalog Number**
290A

**Title**
Selected Topics in Women's Studies

**Description**
Topics vary, focusing on interdisciplinary work arising from feminist scholarship. Study Abroad.

GSF290S - Selected Topics in Women's Studies

**Subject**
GSF

**Catalog Number**
290S

**Title**
Selected Topics in Women's Studies

**Description**
Seminar version of GSF 290.

GSF290SA - Selected Topics in Women's Studies

**Subject**
GSF

**Catalog Number**
290SA

**Title**
Selected Topics in Women's Studies

**Description**
Topics vary, focusing on interdisciplinary work arising from feminist scholarship. Seminar version of 290A. Study Abroad.
GSF291 - Independent Study

**Subject**
GSF

**Catalog Number**
291

**Title**
Independent Study

**Description**
Directed reading in a field of special interest under the supervision of a faculty member, resulting in a substantive paper or written report containing significant analysis and interpretation of a previously approved topic. Consent of instructor and program director required.

GSF293 - Research Independent Study

**Subject**
GSF

**Catalog Number**
293

**Title**
Research Independent Study

**Description**
Individual research in a field of special interest under the supervision of a faculty member, the central goal of which is a substantive paper or written report containing significant analysis and interpretation of a previously approved topic. Open to juniors. Consent of instructor and program director required.

GSF296S - Black Muslims: Race, Religion, & Culture

**Subject**
GSF

**Catalog Number**
296S

**Title**
Black Muslims: Race, Religion, & Culture

**Description**
The intersection of African, American, European, and Islamic cultures studied through the cultural and intellectual flourishing of black Islam. Topics include early Muslim communities established in the Americas through the transatlantic slave trade, Muslim slave rebellions in Brazil and the Caribbean, Muslim slave autobiographies, African Muslims in Europe, the emergence of the Moorish Science Temple and the Nation of Islam, Elijah Muhammad, Malcolm X, Muhammad Ali, women of the Nation of Islam, women's Qur'an exegeses, Hagar as a black woman, black feminism, the Five-Percent Nation, Islamic hip-hop and rap, 'the Black Crescent,' the black international and Islam, and the Black Panthers.

GSF298S - Global Humanitarianism

**Subject**
GSF

**Catalog Number**
298S

**Title**
Global Humanitarianism

**Description**
This course explores humanitarianism as both a global phenomenon and a western model for engaging with the world. It examines the cultural and political conditions that make it possible for some people to be saviors and others to require saving. It focuses on the ways humanitarian interventions are increasingly as much about alleviating poverty and supporting political change, as about responding to crises caused by health epidemics, conflict or war, and environmental disasters. We will pay close attention to the impacts of humanitarian interventions good and bad, while critically exploring how local agendas and conditions shape and respond to these programs.

GSF299 - Hip Hop and Religion

**Subject**
GSF

**Catalog Number**
299

**Title**
Hip Hop and Religion

**Description**
For many people, hip-hop and religion are incompatible. Hip-hop seems to be defined by materialism, arrogance, violence, misogyny, and a general rejection of sacred ideals and values. In this course, we will challenge these assumptions by exploring the intersections between hip hop and religion, while questioning what these terms mean and signify. We will examine aspects of hip-hop (rap lyrics, video images, cultural rituals, films) that explicitly or implicitly express religious commitments and sensibilities.

GSF301S - Theory Today

**Subject**
GSF

**Catalog Number**
301S

**Title**
Theory Today

**Description**
This course is an introduction to fundamental concepts of contemporary critical theory, broadly conceived. Readings will include key texts from the past 50 years in fields including gender and sexuality studies, literary and media studies, critical race studies, Marxism, postcolonial studies, and political theory. The course will involve close reading of difficult texts with the goal of obtaining facility with the concepts and modes of argumentations of contemporary theory.
### GSF314 - Introduction to Critical Theory

**Title**: Introduction to Critical Theory  
**Description**: This course is an introduction to fundamental texts and concepts in the history of critical theory. We will be expanding the scope of our examination well beyond the remit of the Frankfurt School, to which the term 'critical theory' is often linked and look at key texts in the history of political philosophy, social theory, linguistics and language philosophy, gender studies, critical race theory, and postcolonialism. All our readings will be primary literature from what might be dubbed a 'critical theory cannon' and is intended to introduce students in the humanities and qualitative social sciences to essential and foundational materials.

### GSF315SA - New York Scenes

**Title**: New York Scenes  
**Description**: New York Scenes will focus on the various cultural institutions, scenes, establishments, happenings, hang-outs, movements, etc., that make up New York City. Early in the semester, students will select a particular 'scene' to research over the course of the term. For example: Tin Pan Alley (popular music, theater), The Lafayette Theatre (black arts), St. Mark's Church (poetry, punk rock), the Chelsea Hotel (mid-century writers, pop stars and outcasts), La MaMa (experimental theater), the Christopher Street Piers (queer history, LGBTQ youth) and Union Square Park (leftist organizing history). Open to students in the Duke in New York program.

### GSF320 - Hashtags Memes, Digital Tribes

**Title**: Hashtags Memes, Digital Tribes  
**Description**: Tracks digital life and creative expression of groups online in a close study of images, captions and hyperlinked tags. Examines rituals, symbols and cultural patterns that structure everyday life of digital tribes online and investigates impact of digital and social media (Twitter, Instagram Facebook, Periscope) on the constitution of communities online and offline. Studying varied array of digital tribes: tribes of the deaf, of oil rig workers, of Hindu worshippers, of prison wives and laptop entrepreneurs, students learn about underlying myths, rituals, and cultural symbols that connect groups of people online.

### GSF320S - Hashtags Memes, Digital Tribes

**Title**: Hashtags Memes, Digital Tribes  
**Description**: Tracks digital life and creative expression of groups online in a close study of images, captions and hyperlinked tags. Examines rituals, symbols and cultural patterns that structure everyday life of digital tribes online and investigates impact of digital and social media (Twitter, Instagram Facebook, Periscope) on the constitution of communities online and offline. Studying varied array of digital tribes: tribes of the deaf, of oil rig workers, of Hindu worshippers, of prison wives and laptop entrepreneurs, students learn about underlying myths, rituals, and cultural symbols that connect groups of people online.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>GSF322S</td>
<td>Sex, Politics and Feminist Philosophy</td>
<td>Provides a philosophical framework to think about issues of sex, gender and their political implications. Comparison between different historical traditions and methods. Study of a variety of feminist approaches and their critiques. Study of related questions, such as pornography, prostitution and multiculturalism. Readings include Mill, Beauvoir, Butler, Foucault and contemporary analytical philosophy.</td>
</tr>
<tr>
<td>GSF323SA</td>
<td>Transnational Muslims in Germany: Politics of Migration, Religion, and Culture</td>
<td>Critically analyzes political debates about Muslims and Islam in Europe that often cast them as a 'security threat' or a 'problem' of failed integration. Traces the geographical production of Muslim subjects through transnational flows, networks and imaginaries. Examines a series of topics including debates about the headscarf, Muslim women's dress, mosque construction, Muslim civil society organizations, and the refugee crisis in Germany. Taught in English as part of the Duke Middle East in Europe program.</td>
</tr>
<tr>
<td>GSF325S</td>
<td>Understanding Mediation</td>
<td>Examines experience as always mediated. How does text mediate expression, or language mediate subjectivity? How do images mediate power, or sounds mediate resistance? How does computation mediate agency, or networks mediate thought? But also, how do nations mediate globalization, or oil mediate energy? And how do bodies mediate liveness, or the environment mediate history? Moves from particular media forms and examples (language, literature, the fine and performing arts, audiovisual media, computational media) to focus on key theoretical concepts and debates of critical theory from twentieth and twenty-first centuries. Crosses national boundaries to understand mediation from global perspective.</td>
</tr>
<tr>
<td>GSF333S</td>
<td>Bad Behavior</td>
<td>What does it mean to behave badly? How is 'bad behavior' distinguished from actions that are otherwise described as evil or criminal? This course addresses these questions by examining ideas of deviance, wrongdoing, and misconduct in the nineteenth, twentieth, and twenty-first centuries—that is, modern behavioral categories that are considered to be aberrant without necessarily being strictly defined as transgressions of the law. We will consider how bad behavior concerns the disruption of implicit social norms rather than the explicit violation of legal or moral codes.</td>
</tr>
</tbody>
</table>
GSF335S - Decolonization: Histories, Meanings, Struggles

**Title**
Decolonization: Histories, Meanings, Struggles

**Description**
This course explores decolonization as an historical event, a category of theoretical analysis, and a series of contemporary social movements. Course material will introduce students to the history of decolonization as both idea and event, putting global anti-colonial movements of the twentieth century into conversation with contemporary struggles for the decolonization of occupied land, institutions, and epistemologies. This interdisciplinary course draws on work in history, geography, anthropology, women's studies, and postcolonial and decolonial Studies. Students will also read and research manifestos, memoirs, archival documents, documentary films, oral histories, and museum exhibits.

GSF338S - Women and Visual Media Studies

**Title**
Women and Visual Media Studies

**Description**
This course explores visual media by women artists, as well as the production, circulation, and reception of visual culture about the idea of 'woman.' Drawing on feminist scholarship across disciplines, students will examine representation, spectatorship, power, beauty, and sex. We will explore work by popular icon Beyoncé, artist Lorna Simpson, but also independent documentary films on relevant themes.

GSF339S - Women and Film: Directors of the Diaspora

**Title**
Women and Film: Directors of the Diaspora

**Description**
Black women filmmakers have been actively involved in filmmaking since the early 20th century, and occupy notable positions in the 21st century media environment. Artists such as Ava Duvernay and Julie Dash demand critical attention to black women film and video artists. Films made by Black women are constructed in a variety of forms, such as animation, documentary, experimental, and narrative. These works bring a unique perspective to the screen. This course will give students an opportunity to view films, examine the specifics of film/video production in general, compare the various works produced by women direc, and acquire the skills necessary for film/video cultural criticism.

GSF350 - Brains, Everywhere

**Title**
Brains, Everywhere

**Description**
Over the last three decades we have witnessed the speedy rise of the 'neurosciences,' an historical event characterized by some 'neuro-cultures' and 'neuro-subjects.' In this course we will track this history and ask what change in meaning might 'neuro' effect in the disciplines that were previously 'neuro'-free. If there is a neuro-turn in the humanities and social sciences, what is it that's 'turning'? We will consider the centrality of brain research in these discussions to ask questions about the meaning of 'personhood/subjectivity,' 'human/post human,' 'mind/body,' 'self/ego,' and 'emotion/affect.'
GSF350S - Brains, Everywhere

Subject: GSF  
Catalog Number: 350S  
Title: Brains, Everywhere  
Description: Over the last three decades we have the witnessed the speedy rise of the ‘neurosciences,’ an historical event characterized by some as a ‘neuro-revolution’ that has given rise to a ‘neuro-society,’ ‘neuro-cultures,’ and ‘neuro-subjects.’ In this seminar we will track this history and ask what change in meaning might ‘neuro’ effect in the disciplines that were previously ‘neuro’-free. If there is a neuro-turn in the humanities and social sciences, what is it that’s ‘turning’? We will consider the centrality of brain research in these discussions to ask questions about the meaning of ‘personhood/subjectivity,’ ‘human/posthuman,’ ‘mind/body,’ ‘self/ego,’ and ‘emotion/affect.’

GSF352S - Sex Work: The Politics of Sexual Labor

Subject: GSF  
Catalog Number: 352S  
Title: Sex Work: The Politics of Sexual Labor  
Description: Sex work from the perspective of the labor and the purchase. Controversies over questions of gender and power, consent and coercion, sexual practices and labor contracts, trafficking and migration. Cultural representations of sex workers and their clients. Legal regimes from abolition to regulation and decriminalization.

GSF354S - Intro to Psychoanalytic Theory

Subject: GSF  
Catalog Number: 354S  
Title: Intro to Psychoanalytic Theory  
Description: In this seminar we will explore psychoanalytic theory by focusing on specific topics such as hysteria, perversion, sexuality, repression, narcissism, the unconscious, and the id/ego/superego. Throughout the semester, we will examine the relationship in psychoanalysis between theory and practice as well as entertain the possibility that the theories based on clinical practice might have some applicability for grappling with questions concerning power, politics, conceived in a global context, and what philosopher Michel Foucault referred to in his later work as the ‘care of the self.’

GSF355S - Black Feminism and Fashion

Subject: GSF  
Catalog Number: 355S  
Title: Black Feminism and Fashion  
Description: Black feminist perspectives on clothing and fashion. Explores traditions in which Black artists and writers make clothing a primary theme. Presenting photographic, painted, and literary portrayals by and of Black people across the diaspora, and bringing together the study of visual culture, material culture, and literary studies, reveals fashion and clothing as aesthetic practices of everyday life that defy the objectifying effects of racism and sexism. Engages with scholarship that explores slavery’s and colonialism’s impact on gender and sexuality and examines how artists and writers work within and against those impacts to document the self-fashioning in Black cultural life.

GSF360S - Feminist Activism: Social Movements

Subject: GSF  
Catalog Number: 360S  
Title: Feminist Activism: Social Movements  
Description: Comprehensive introduction to feminist theoretical conceptions of the social, political, economic, and the human. Explores the rise of gender based discourses and social movements in the context of broader considerations of modernity, democracy, and liberal humanism and the value of rights discourse for feminist agendas. Includes a comparative dimension that emphasizes cross cultural and historical analysis.

GSF361 - Money, Sex, Power

Subject: GSF  
Catalog Number: 361  
Title: Money, Sex, Power  
Description: Feminist research on gender dynamics in markets, economies, and capitalism. Includes empirical studies (e.g., historical, cross-cultural, and sociological research) and theoretical approaches to political-economic critique. Covered topics may include the gender, racial and transnational divisions of labor, the relation between work and family, waged household labor, sex work, sweatshop labor.
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<thead>
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<td>GSF</td>
<td>362S</td>
<td>GSF362S - Gender and Popular Culture</td>
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<td>GSF</td>
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<td>GSF363S - Interpreting Bodies: Identity and Beyond</td>
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<td>GSF364S - Race, Gender, and Sexuality</td>
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<tr>
<td>GSF</td>
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<td>GSF365 - Gender and Political Theory</td>
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<tr>
<td>GSF</td>
<td>367</td>
<td>GSF367 - Feminist Ethics</td>
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<tr>
<td>GSF</td>
<td>367S</td>
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<td>GSF</td>
<td>368</td>
<td>GSF368 - Gender, Sexuality, and Human Rights</td>
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<tr>
<td>GSF</td>
<td>369</td>
<td>GSF369 - Transnational Feminism</td>
</tr>
</tbody>
</table>

**GSF362S - Gender and Popular Culture**

**Description**
An analytic investigation of ways popular cultural forms produce and reinforce gender relations.

**GSF363S - Interpreting Bodies: Identity and Beyond**

**Description**
How the body has come to define the human in language, law, science, politics and economics. The body's relation to identity and subjectivity. The representation of the body in particular cultural discourses and the social history and dynamic in which that representation has taken place.

**GSF364S - Race, Gender, and Sexuality**

**Description**
Gender's relationship to race and sexuality explored through a variety of issues, including health, intimacy, family, the state, economic practices, transnational communities and identities, and social movement.

**GSF365 - Gender and Political Theory**

**Description**
Feminist analyses of and engagements with some of the canonical texts and traditional concepts of Western political theory. Feminist contributions to, challenges to, and revisions of the terms of key conceptual and political debates in political theory.

**GSF367 - Feminist Ethics**

**Description**
Do women experience the world differently than men? An examination of women's experience, women's ways of knowing, ethical systems and feminist critique, patriarchy, dualistic thinking, gender oppression, care ethics, ethical dilemmas. Lecture version of GSF 367S.

**GSF367S - Feminist Ethics**

**Description**
Do women experience the world differently than men? An examination of women's experience, women's ways of knowing, ethical systems and feminist critique, patriarchy, dualistic thinking, gender oppression, care ethics, ethical dilemmas.

**GSF368 - Gender, Sexuality, and Human Rights**

**Description**
This course investigates gender and sexual dimensions of human rights, considering key international human rights campaigns and emphasizing the historical and philosophical contexts involved in advocacy for Women's Human Rights and Sexual Rights.

**GSF369 - Transnational Feminism**

**Description**
Explore feminist projects and approaches that cross a variety of borders. Under what conditions is solidarity across difference and inequality possible? This seminar examines this and other questions using relevant theories, film, and scholarship. Topics include activism, human rights, development, capitalism, war/militarization, racism, embodiment, and health. Assigned readings and films largely focus on the Global South but situate the Global North within circuits and relationships. The professor guides each student in preparing an original research paper on a relevant topic of interest to the student.
GSF369S - Transnational Feminism
Subject: GSF  
Catalog Number: 369S  
Title: Transnational Feminism  
Description: Explore feminist projects and approaches that cross a variety of borders. Under what conditions is solidarity across difference and inequality possible? This seminar examines this and other questions using relevant theories, film, and scholarship. Topics include activism, human rights, development, capitalism, war/militarization, racism, embodiment, and health. Assigned readings and films largely focus on the Global South but situate the Global North within circuits and relationships. The professor guides each student in preparing an original research paper on a relevant topic of interest to the student.

GSF370S - Queer Theory
Subject: GSF  
Catalog Number: 370S  
Title: Queer Theory  
Description: A seminar designed specifically for advanced study in sexuality and gender. Contextualizes queer theory as a distinct analytic tradition by paying attention to poststructuralist approaches to subjectivity, sociality, power, and knowledge. This course also serves as the capstone required for the Certificate in the program in the study of sexualities.

GSF375 - Reproductive Ethics
Subject: GSF  
Catalog Number: 375  
Title: Reproductive Ethics  
Description: This class examines the role that technology, globalization, late capitalism, ideas about health and ability, and advances in feminist theory play in human reproduction. It will investigate new frontiers of reproductive technology, and try to understand the many different ways of using and viewing interventions such as IVF, surrogacy, and embryo selection. We will examine popular ideas about 'the perfect child,' and how the issue of abortion intersects and competes with the quest for healthier, able-bodied children.

GSF376S - Black Feminist Theory
Subject: GSF  
Catalog Number: 376S  
Title: Black Feminist Theory  
Description: The course explores canonical and contemporary texts to consider how various theorists inform, challenge, and extend understandings of what constitutes the social and political realms. Topics for the course include, but are not limited to: life, death, violence, sociality, politics, and the Human.

GSF382S - Intimacies: Sexuality, Nation, and the State
Subject: GSF  
Catalog Number: 382S  
Title: Intimacies: Sexuality, Nation, and the State  
Description: A deep dive into the theoretical concept of intimacy, this seminar touches upon the racial, sensorial, and sexual life of nations and the state. Through discussions about citizenship, religion, migration, political economy, belonging, community, and activism, we consider what it means for bodies to exist in relation not only to other bodies, but also within the larger body of the nation-state. We examine theoretical writing alongside film, performance and installation art, law, and pop culture, bringing sexuality to bear on indigenous genocide, the Antebellum South, anti-immigration and miscegenation law, US militarism in Asia and the Pacific, LGBTQ rights, and political scandal.

GSF383S - Breakdown: Madness, Self, Fiction
Subject: GSF  
Catalog Number: 383S  
Title: Breakdown: Madness, Self, Fiction  
Description: Study of madness, mental illness, and psychological distress as experienced and accounted for from literary and philosophical perspectives. How should an individual's declaration of spiritual health or illness be understood? What critical tools can literature bring to the study of the soul's suffering? Focus on testimonies of mental strife in a transnational/historical frame. Literary selections range from romanticism and realism to high modernism and contemporary neurofiction.
GSF386S - Politics of Sexuality

**Subject**: GSF  
**Catalog Number**: 386S  
**Title**: Politics of Sexuality  

**Description**

Explores intersections among sexual identity, desire, and behavior and political institutions, public policy, and concepts of citizenship. Readings and methods will be interdisciplinary and will examine politics of sexuality in diverse sociocultural, international, and historical contexts. Topics may include: social movements; laws, policing, and incarceration; medicalization and eugenics; militarism and geopolitics; immigration and human rights; welfare policies; nationalism and citizenship; and reproductive rights.

GSF387 - Moral Panics, Spectacle, and Everyday Life: Social Anxieties and Minorities

**Subject**: GSF  
**Catalog Number**: 387  
**Title**: Moral Panics, Spectacle, and Everyday Life: Social Anxieties and Minorities  

**Description**

Moral panic refers to the way a social order becomes hyper aware of activities of groups, objects, or circumstances posing a menace to accepted values. Course explores how everyday life is managed, intensified, and altered by moral panics' spectacle. Sexual deviance, drugs, popular culture, disease, witch hunts, gender fears, etc., are not only creations of pre-existing fears, they make various kinds of sense in specific moments. They are how people recognize themselves and new challenges to that self. From those challenges they try to police others; they are public consensus-building events and the means by which we identity our fears and desires.

GSF390 - Special Topics in Women's Studies

**Subject**: GSF  
**Catalog Number**: 390  
**Title**: Special Topics in Women's Studies  

**Description**

Topics vary, focusing on interdisciplinary work arising from feminist scholarship.

GSF390S - Special Topics in Women's Studies

**Subject**: GSF  
**Catalog Number**: 390S  
**Title**: Special Topics in Women's Studies  

**Description**

Topics vary, focusing on interdisciplinary work arising from feminist scholarship.

GSF399 - Black Religion, Anguish, and Liberation

**Subject**: GSF  
**Catalog Number**: 399  
**Title**: Black Religion, Anguish, and Liberation  

**Description**

In this course, we will study the relationship between race, religion, and politics in the context of black strivings for liberation in the Americas, the trans-Atlantic, and so forth. We will examine how struggles against anti-black violence have been inspired by criticisms and re-interpretations of prevailing religious ideas and practices in addition to the creation of new conceptions of the sacred. We will focus on two different contexts/movements — anti-slavery/abolitionist movements and mid 20th century black freedom/decolonial struggles —considering in each case how religion is both an object of critique and a source of empowerment, agency, and resistance.

GSF401 - Gender and the Law

**Subject**: GSF  
**Catalog Number**: 401  
**Title**: Gender and the Law  

**Description**

Examination of issues at the intersection of gender and law through a number of different theoretical lenses. Analyzes policy problems with gender implications from the perspective of formal equality, substantive equality, nonsubordination theory, different voice theory, autonomy, and various poststructural critiques. Engages theory at the level of concrete, easily accessible ethical and policy issues, including such topics as employment equality, pregnancy, domestic violence, rape, reproductive rights, sexual orientation and sexual identity discrimination, family equality, sexual harassment, pornography, education equality, affirmative action, and the justice system.
### GSF402S - James Baldwin and Toni Morrison

**Subject**
GSF

**Catalog Number**
402S

**Title**
James Baldwin and Toni Morrison

**Description**
This course will examine the novels and essays of James Baldwin and Toni Morrison, focusing on a range of topics: blackness, gender, sexuality, the relationship between race, religion, and nation, and the relationship between anguish and hope. While considering the differences between these authors, we will explore how Baldwin and Morrison converge on a set of ethical and existential themes and concerns. In particular, the course will focus on a shared 'ethics of haunting,' a sense that a better future relies on our capacity to remember, mourn, and be unsettled by forms of racial and gendered violence that mark the past and present.

### GSF404S - Ethics of Hope

**Subject**
GSF

**Catalog Number**
404S

**Title**
Ethics of Hope

**Description**
Hope involves the expectation or desire for good things to happen. Yet, does this set up people for despair when hopes get dashed or have no possibility of realization? Or, is the conjuring of something better—somewhere, sometime—what enables life to be sustained in the face of difficulties or just the daily grind of making do? In this class we raise the issue of the ethics, politics, and tactics of hope, drawing on philosophy, feminism, and anthropology.

### GSF405S - Indigenous Americas

**Subject**
GSF

**Catalog Number**
405S

**Title**
Indigenous Americas

**Description**
Explores histories, experiences, struggles, art, and philosophies of indigenous peoples in the Americas, meaning both Latin and North America. Acknowledging 500 years of genocidal practices, will focus on concepts of 'the good life' and the complex relations of the spiritual and the material. Roles of gender and sexuality within indigenous worlds and in the often violent relations with settler societies will be a special focus. Explore relations between past, present, and the future under burden of Anthropocene.

### GSF412S - Capstone Seminar - Globalization: Asia and Asian America

**Subject**
GSF

**Catalog Number**
412S

**Title**
Capstone Seminar - Globalization: Asia and Asian America

**Description**
'Globalization' a shorthand for describing the period of extraordinary change that we are living through, our lives, and our worlds as defined by global connections, from the internet technologies and rapid mass communication to issues of mobilization for social justice. This course focuses on two main themes: global moments of common struggle against racism in Asian, Asian American, and African American contexts, and global manufacture and the ways in which the microprocessor chip technology has come to bind Asia, Africa, and America, with a special focus on women and Asian Americans in the IT sector.
GSF432S - Gender, Sex and Citizenship

Subject  | Catalog Number | Title
---------|----------------|------
GSF       | 432S           | Gender, Sex and Citizenship

Description
Explore current issues and debates relating to the relationship between gender, sexuality and global flows of people, labor, capital and ideas. Consider feminist analyses of the citizen-subject and foundational questions central to this area of study relationship between cultural representation, queer subjectivities, and sexual citizenship. Examine scholarship on gendered vulnerability and the welfare state; the politics of 'terror', security, and stereotyped masculinities; domestic labor and contemporary slavery; and the controversial debates about the connections between sex tourism, human trafficking and commercial sex work. Prerequisite: Previous gender studies course or consent of the instructor.

GSF438S - Techno-Orientalism: Asian/America, (Post)Human and Science Fiction

Subject  | Catalog Number | Title
---------|----------------|------
GSF       | 438S           | Techno-Orientalism: Asian/America, (Post)Human and Science Fiction

Description
Course examines global Science Fiction genres in literature, film, and social media as case studies to understand broad historical and social formations of Otherness, the Alien, Citizenship, (Im)migration. Studies racial assumptions in popular culture, domestic and international law, discourse of the human and human rights, science and technology industries, and other disciplines. Explores interdisciplinary intersections of race, gender, sexuality, class, and geopolitical divisions and interactions in Asian/American Studies and Postcolonial Studies from the past to the present.

GSF439 - Queer China

Subject  | Catalog Number | Title
---------|----------------|------
GSF       | 439            | Queer China

Description
Examines queer discourses, cultures, and social formations in China, Greater China, and the global Chinese diaspora from the late imperial period to the present. Course will focus on cultural representations, particularly literary and cinematic, but will also consider a wide array of historical, anthropological, sociological, and theoretical materials.

GSF460S - Weil, Beauvoir, Murdoch: Three Women Philosophers in Mid-Twentieth Century Europe

Subject  | Catalog Number | Title
---------|----------------|------
GSF       | 460S           | Weil, Beauvoir, Murdoch: Three Women Philosophers in Mid-Twentieth Century Europe

Description
Simone Weil (1909-44), Simone de Beauvoir (1908-86), and Iris Murdoch (1919-99) are towering figures in the history of European philosophy. Yet they have all, in different ways, become somewhat marginal to the philosophical mainstream. All three wrote on ethics. Weil wrote on labor, society, affliction, and grace. Beauvoir wrote novels, memoirs, and The Second Sex, a groundbreaking feminist analysis of women's situation. Inspired by Weil, Murdoch wrote about attention and the good and became one of the UK's leading novelists. The course will introduce students to their writing across genres, and situate their work about their respective national traditions.
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<thead>
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<tr>
<td>GSF490</td>
<td>Advanced Topics in Women's Studies</td>
<td>GSF</td>
<td>490</td>
<td>Advanced Topics in Women's Studies</td>
<td>Lecture version of GSF 490S.</td>
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<td>GSF490S</td>
<td>Advanced Topics in Women's Studies</td>
<td>GSF</td>
<td>490S</td>
<td>Advanced Topics in Women's Studies</td>
<td>Topics vary, focusing on advanced interdisciplinary work arising from feminist scholarship.</td>
</tr>
<tr>
<td>GSF493</td>
<td>Honors Independent Study</td>
<td>GSF</td>
<td>493</td>
<td>Honors Independent Study</td>
<td>Open to students pursuing distinction. Individual research in a field of special interest under the supervision of a faculty member, the central goal of which is a substantive paper or written report containing significant analysis and interpretation of a previously approved topic. Open to seniors. Consent of instructor and program director required.</td>
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<tr>
<td>GSF494</td>
<td>Honors Independent Study</td>
<td>GSF</td>
<td>494</td>
<td>Honors Independent Study</td>
<td>See GSF 493. Open to seniors. Consent of instructor and program director required.</td>
</tr>
<tr>
<td>GSF499S</td>
<td>Senior Seminar in Women's Studies</td>
<td>GSF</td>
<td>499S</td>
<td>Senior Seminar in Women's Studies</td>
<td>Advanced research course for majors in Women's Studies. Topics vary by semester. Students produce a significant research paper. Consent of instructor required.</td>
</tr>
<tr>
<td>GSF80S</td>
<td>Special Topics in Writing</td>
<td>GSF</td>
<td>80S</td>
<td>Special Topics in Writing</td>
<td>Various topics with diverse readings and intensive writing.</td>
</tr>
<tr>
<td>GSF89S</td>
<td>First-Year Seminar in Gender Studies</td>
<td>GSF</td>
<td>89S</td>
<td>First-Year Seminar in Gender Studies</td>
<td>New concepts and themes in gender and feminist studies. Topics may vary each semester.</td>
</tr>
<tr>
<td>HEBREW101</td>
<td>Elementary Modern Hebrew</td>
<td>HEBREW</td>
<td>101</td>
<td>Elementary Modern Hebrew</td>
<td>Introduction to speaking, understanding, reading, and writing Modern Hebrew.</td>
</tr>
</tbody>
</table>
HEBREW102 - Elementary Modern Hebrew
Subject: HEBREW
Catalog Number: 102
Title: Elementary Modern Hebrew
Description: Continuation of Hebrew 101. Introduction to speaking, understanding, reading, and writing Modern Hebrew. Prerequisite: Hebrew 101 or equivalent.

HEBREW203 - Intermediate Modern Hebrew
Subject: HEBREW
Catalog Number: 203
Title: Intermediate Modern Hebrew
Description: Continuation of Hebrew 102. Speaking, understanding, reading, and writing Modern Hebrew at the intermediate level; exploring Israeli culture through texts and other media. Prerequisite: Hebrew 102 or equivalent.

HEBREW204 - Intermediate Modern Hebrew
Subject: HEBREW
Catalog Number: 204
Title: Intermediate Modern Hebrew
Description: Continuation of Hebrew 203. Speaking, understanding, reading, and writing Modern Hebrew at the intermediate level; exploring Israeli culture through texts and other media. Prerequisite: Hebrew 203 or equivalent.

HEBREW305S - Advanced Modern Hebrew
Subject: HEBREW
Catalog Number: 305S
Title: Advanced Modern Hebrew
Description: Continuation of Hebrew 204. Speaking, understanding, reading, and writing Modern Hebrew at the advanced level; exploring Israeli culture through critical reading of literary texts (prose and poetry) and other contemporary media. Prerequisite: Hebrew 204 or equivalent.

HEBREW306S - Advanced Modern Hebrew
Subject: HEBREW
Catalog Number: 306S
Title: Advanced Modern Hebrew
Description: Continuation of Hebrew 204 and/or 305S. Speaking, understanding, reading, and writing Modern Hebrew at the advanced level; exploring Israeli culture through critical reading of literary texts (prose and poetry) and other contemporary media. Prerequisite: Hebrew 204 or equivalent.

HEBREW391 - Independent Study
Subject: HEBREW
Catalog Number: 391
Title: Independent Study
Description: Individual study of language for conducting research involving sources written or spoken in the language. Students have to submit a proposal describing the purported research, types of sources to be analyzed, and kinds of language knowledge or skills they need to be equipped with. Consent of instructor and director of undergraduate studies required.
HEBREW 455S - Introduction to Israeli Culture

Subject: HEBREW
Catalog Number: 455S
Title: Introduction to Israeli Culture

Description:
Historical survey of Israeli culture from 1948 to the present. All reading materials and class discussion in Hebrew. Prerequisite: Hebrew 306 or above, or placement test or instructor’s consent.

HINDI 101 - Elementary Hindi

Subject: HINDI
Catalog Number: 101
Title: Elementary Hindi

Description:
This course will provide students with knowledge and understanding of the Hindi language and Indian culture. The major goal is to develop practical ability to communicate in Hindi for day-to-day needs. Topics include the Hindi script, basic grammar and sentence structure, and development of language skills in reading, writing, listening, and speaking. No previous knowledge of Hindi required. This is a service-learning course. Engagement may include direct, project-based, or research-focused service with local/global community partners among other engaged practices.

HINDI 102 - Elementary Hindi

Subject: HINDI
Catalog Number: 102
Title: Elementary Hindi

Description:
This course continues with practice in the Hindi script, basic grammar, and sentence structure, including past and future tenses. The focus is on developing practical skills in Hindi through speaking, listening, reading, and writing. This is a service-learning course. Engagement may include direct, project-based, or research-focused service with local/global community partners among other engaged practices. Prerequisite: Hindi 101 or a placement test.

HINDI 203D - Intermediate Hindi

Subject: HINDI
Catalog Number: 203D
Title: Intermediate Hindi

Description:
Students will practice all language skills, including reading, writing, listening, and speaking. Students will learn to communicate and describe their surroundings in all tenses, follow Bollywood movies, short stories, and news articles. The focus is on Indian culture and diversity. This is a service-learning course. Engagement may include direct, project-based, or research-focused service with local/global community partners among other engaged practices. Prerequisite: Hindi 102 or a placement test.

HINDI 204D - Intermediate Hindi

Subject: HINDI
Catalog Number: 204D
Title: Intermediate Hindi

Description:
Students will advance in all language skills, including reading, writing, listening, and speaking. Authentic materials such as magazines, newspapers, TV serials, stories, and movies will be used frequently to practice Hindi grammar and vocabulary. This is a service-learning course. Engagement may include direct, project-based, or research-focused service with local/global community partners among other engaged practices. Prerequisite: Hindi 203 or a placement test.

HINDI 270T-4 - Voices in Global Health: Hindi Tutorial

Subject: HINDI
Catalog Number: 270T-4
Title: Voices in Global Health: Hindi Tutorial

Description:
Through practical and theoretical discussions around case studies, visual texts, and interviews in the target language, Voices in Global Health examines emerging health challenges at the local and global level. Through the experiences and knowledge shared from our guest speakers, we will explore the underlying health behaviors and cultural beliefs while producing culturally appropriate health interventions. Tutorials meet weekly for 75-minutes. Prerequisite: 4 semesters of language or equivalent – heritage and native speakers are welcome to enroll. Satisfactory/Unsatisfactory. Community-engaged course.
<table>
<thead>
<tr>
<th>Course</th>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>HINDI305 - Advanced Hindi</td>
<td>HINDI</td>
<td>305</td>
<td>Advanced Hindi</td>
<td>Proficiency in reading, writing, and speaking. Prerequisite: Hindi 204 or equivalent.</td>
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<tr>
<td>HINDI306 - Advanced Hindi</td>
<td>HINDI</td>
<td>306</td>
<td>Advanced Hindi</td>
<td>Continuation of Hindi 305. Prerequisite: Hindi 305 or equivalent.</td>
</tr>
<tr>
<td>HINDI391 - Independent Study</td>
<td>HINDI</td>
<td>391</td>
<td>Independent Study</td>
<td>Individual study of language for conducting research involving sources written or spoken in the language. Students have to submit a proposal describing the purported research, types of sources to be analyzed, and kinds of language knowledge or skills they need to be equipped with. Consent of instructor and director of undergraduate studies required.</td>
</tr>
<tr>
<td>HINDI391-1 - Independent Study</td>
<td>HINDI</td>
<td>391-1</td>
<td>Independent Study</td>
<td>Individual study of language for conducting research involving sources written or spoken in the language. Students have to submit a proposal describing the purported research, types of sources to be analyzed, and kinds of language knowledge or skills they need to be equipped with. Consent of instructor and director of undergraduate studies required.</td>
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<tr>
<td>HINDI407S - Issues in Hindi Language and Society II</td>
<td>HINDI</td>
<td>407S</td>
<td>Issues in Hindi Language and Society II</td>
<td>Readings in prevailing literary and mass media forms. Prerequisite: Hindi 306 or consent of instructor.</td>
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<tr>
<td>HINDI408S - Issues in Hindi Language and Society II</td>
<td>HINDI</td>
<td>408S</td>
<td>Issues in Hindi Language and Society II</td>
<td>Continuation of Hindi 407S. Prerequisite: Hindi 306 or consent of instructor.</td>
</tr>
<tr>
<td>HISTORY101 - Introduction to Global History</td>
<td>HISTORY</td>
<td>101</td>
<td>Introduction to Global History</td>
<td>Explore problems in the history of globalization. Learn how contemporary problems and opportunities of globalization reflect long-term processes marked by patterns, interruptions, and continuities even within radical change. Asia, Europe and Africa have been interconnected since the Bronze Age. Trade, microbes, political power and religions formed then, as today, the principal matrix in which interdependence and conflict developed. In what ways is the environmental and climate crisis today different from that of the Little Ice Age? Can technology continue to allow humans to conquer nature so we that may keep expanding resources on an exhausted earth? What alternatives exist globally?</td>
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<tr>
<td>HISTORY102 - Introduction to Modern African History</td>
<td>HISTORY</td>
<td>102</td>
<td>Introduction to Modern African History</td>
<td>This course is an introduction to the fascinating and tumultuous last two centuries of the history of Africa. It is divided into three chronological sections: Unit 1: Africa in the Nineteenth Century (c. 1800-1880), Unit 2: The Era of European Domination (c. 1880-1960), and Unit 3: Modern Independent Africa (c. 1960-present).</td>
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<tr>
<td>Subject</td>
<td>Catalog Number</td>
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<tr>
<td>HISTORY</td>
<td>103</td>
<td>History103 - Critical Approaches to Global Issues</td>
<td>Introduction to critical transnational studies through several disciplinary approaches. Examines capitalism and neo-liberal globalization and their relationships to culture, politics, economics, and other social forms and outcomes; considers transnationalism 'from below'; addresses linear and Western-centric thinking about progress and modernity; focuses a historical lens on political discourses, institutions, and projects to understand them contextually; demonstrates how cultures and identities are dynamically constituted in interaction with historical, material, political, and situational factors; considers how different inequalities and contestations inflect most social formations.</td>
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<tr>
<td>HISTORY</td>
<td>105</td>
<td>History105 - Old Worlds/New Histories, 500-1500 CE</td>
<td>New approaches to history of the world from ca. 500 to 1500 CE. Examines the world before European hegemony. Topics may include nature of autonomous centers of production around the globe; characteristics of trade, empire, science, technology, and high culture across Asia, the Middle East, Africa and the Americas; diffusion of inventions, ideas, cultures and religions through travel, trade, state and empire building. Readings and films explore diverse cosmopolitan worlds before the coming of modernity.</td>
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<tr>
<td>HISTORY</td>
<td>106</td>
<td>History106 - Science and the Modern World: Introduction to the History of Science</td>
<td>This course surveys the history of science from the sixteenth century through the present day. It addresses science not just as a body of knowledge and methods but as a cultural activity that has shaped and been shaped by modern global history. Topics will range across physical sciences, life sciences, earth and environmental sciences, and social sciences. This course takes a global perspective, with emphasis on parallels, differences, and interconnections among ways of knowing nature in different places and times, as well as the role of specific materials, environments, technologies, and practical problems in the development of modern science.</td>
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<tr>
<td>HISTORY</td>
<td>108</td>
<td>History108 - History of Rock: Rhythm &amp; Blues and Rock &amp; Roll to Indie Rock and Hip-Hop</td>
<td>The history of rock music from the 1950s to the present. Beginning with its roots in rhythm and blues, country and western, and commercial pop, examination of diverse musical styles, artists and bands, and the many historical, technological, and cultural factors that have contributed to the rise and popularity of rock music.</td>
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<td>Course Code</td>
<td>Subject</td>
<td>Catalog Number</td>
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<tr>
<td>HISTORY111FS</td>
<td>HISTORY</td>
<td>111FS</td>
<td>History of Global Health</td>
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<tr>
<td>HISTORY112</td>
<td>HISTORY</td>
<td>112</td>
<td>Sexual Pleasure in the Modern World</td>
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<tr>
<td>HISTORY113</td>
<td>HISTORY</td>
<td>113</td>
<td>Introduction to the History of Medicine</td>
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<tr>
<td>HISTORY114</td>
<td>HISTORY</td>
<td>114</td>
<td>Intro to the History of Modern Warfare</td>
<td></td>
</tr>
</tbody>
</table>

**HISTORY111FS - History of Global Health**

**Subject**: HISTORY  
**Catalog Number**: 111FS  
**Title**: History of Global Health  
**Description**: Medicine has long been a global undertaking, and knowing its history prepares us to address emerging health crises. This Focus course begins with the coronavirus pandemic and the first major infectious disease epidemics that emerged from increased trade and warfare: plague and smallpox. Critical analysis of colonial medicine reveals reasons for ongoing inequalities in global health today. We analyze smallpox, cholera and schistosomiasis eradication programs and consider the importance of basic hygiene and safe childbirth. The core text examines the role of stigma in global health today. Your work will include an individual research paper on a topic you choose.

**HISTORY112 - Sexual Pleasure in the Modern World**

**Subject**: HISTORY  
**Catalog Number**: 112  
**Title**: Sexual Pleasure in the Modern World  
**Description**: Interdisciplinary study of ways societies around the globe have understood sexual pleasure. Investigates ethics of the manners in which people have explored sexual pleasure and ways that such pleasure relates to creation of the modern person. Emphasizes effects of colonialism and development of race in relation to sexuality. Includes an extensive discussion of pornography, sexual fantasy, orgasm and virtual sex, asking how sexual pleasure relates to histories of danger and violence.

**HISTORY113 - Introduction to the History of Medicine**

**Subject**: HISTORY  
**Catalog Number**: 113  
**Title**: Introduction to the History of Medicine  
**Description**: Covers the history of western medicine from Ancient Greece to the 21st century. Students will engage with primary and secondary sources that expose the varied understandings of health, disease causation, and treatment that have prevailed over time. As an introductory course with no prerequisites, this class welcomes all students with an interest in history, health, and disease, while assuming no prior medical or scientific knowledge. It illuminates the trajectory of western medicine from the humors of Hippocrates to the genetic medicine of today.

**HISTORY114 - Intro to the History of Modern Warfare**

**Subject**: HISTORY  
**Catalog Number**: 114  
**Title**: Intro to the History of Modern Warfare  
**Description**: The course covers the history of warfare since the end of the eighteenth century. Our explorations focus on the nature and aims of European and US pursuits of war and the practices, languages, and experiences of its participants. We will pay special attention to the different ways in which militaries and civilian populations became the subjects and objects of warfare in the modern age.

**HISTORY116 - Introduction to Human Rights: Gateway for the Human Rights Certificate**

**Subject**: HISTORY  
**Catalog Number**: 116  
**Title**: Introduction to Human Rights: Gateway for the Human Rights Certificate  
**Description**: This is the Gateway course for the Human Rights Certificate. Students are introduced to the history, theory, practice of, and current issues in human rights. The course is interdisciplinary.


**Subject**: HISTORY  
**Catalog Number**: 117  
**Title**: Renaissance & Revolution: Religion, Science, and Politics in Europe, 1400-1800  
**Description**: A survey of Europe between approx. 1440-1750 that highlights changes in European society including the end of the Renaissance, the Reformation, the Scientific Revolution and the European encounter with other regions of the world.
HISTORY119FS - Religious Freedom in America: A Legal History

Subject: HISTORY  
Catalog Number: 119FS  
Title: Religious Freedom in America: A Legal History

Description:
This course introduces students to the major texts and historical arguments concerning religious liberty in the United States. We will place key constitutional texts and cases into a chronologically organized historical framework, covering: European precedents to English settlement, the colonial period, nation-making and the Constitution, the early national period of religious revival and expansion, the Civil War and 14th Amendment, Mormonism, fundamentalism and secularism in the Progressive Era, WWII and religious pacifism, The Cold War, the 1960s and school prayer, the rise of the Religious Right, and recent cases involving religious freedom. Only offered in the FOCUS program.

HISTORY120 - History of American Democracy

Subject: HISTORY  
Catalog Number: 120  
Title: History of American Democracy

Description:
This course explores the sweep of US political history. In the process, it encourages participants to think critically about what 'democracy' is, how it works, and what its vulnerabilities are. We look at the history of electoral politics in the United States, exploring the ways in which politicians have both empowered and disempowered voters. We examine grass-roots efforts to gain greater power in shaping common life—and attempts to suppress those efforts. Throughout, we explore how people's concepts of 'democracy' have clashed and changed, and we examine how past conflicts have given rise to the political crises and opportunities of our own time.

HISTORY121 - Introduction to Contemporary Latin America

Subject: HISTORY  
Catalog Number: 121  
Title: Introduction to Contemporary Latin America

Description:
This is an introductory, interdisciplinary survey course on modern Latin America focusing on contemporary social issues especially from the past five years. Each week will be dedicated to a different social problematic, including: political indigeneity; the legacy of African slavery; feminisms and femicides; drug wars; migration and border issues; student movements; neoliberalism and resource struggles; and ecological contestation. Weekly meetings are driven by reading discussion, with context provided in lectures. You will conduct independent research in at least one group presentation and one final project. Required for students seeking the certificate in Latin American Studies.

HISTORY122 - History of Latinxs in the United States

Subject: HISTORY  
Catalog Number: 122  
Title: History of Latinxs in the United States

Description:
This introductory course will cover the social, cultural, and political histories of Latino/as in the United States from 1848 to the present including the Treaty of Guadalupe Hidalgo, the Great Depression, WWII/WWII, the creation of Latino/a civil rights organizations, and the civil wars and free trade agreements of the 1980s and 1990s that have spurred so much of contemporary migration. Themes include colonialism and conquest, sexuality and gender, race and ethnicity, transnationalism and migration, social inequality and practices of resistance. This class will highlight the diversity of the Latino/a experience—focusing on the history of Afro-Latino/as, queer Latino/as, and undocumented Latino/as.
**HISTORY123 - Private Wealth and Public Giving: A Modern History**

**Subject**
HISTORY  

**Catalog Number**
123  

**Title**
Private Wealth and Public Giving: A Modern History  

**Description**
Surveys the entangled relationship between private wealth and public giving over the past few centuries of capitalist modernity in Asia, Europe, and the United States. Explores how the entrepreneurial impulse to make money has also been shadowed by the ethical imperative to give it away. Analysis of the circumstances and contexts in which the apparent altruism of givers is also motivated by self-interest. The major topics include study of religious giving; the historical roots of philanthropy in the age of imperialism; the evolution of ideas of 'trusteeship' and 'creative capitalism;' gender and philanthropy; and 'celebrity' philanthropy.

**HISTORY124 - History of the Present**

**Subject**
HISTORY  

**Catalog Number**
124  

**Title**
History of the Present  

**Description**
Examines the history of the past forty years, focusing on the United States in a global context. Themes might include: globalization, inequality, the rise of the alt-right, climate change, the internet, and the emergence of finance and consulting. Prepares students to think historically about their own world, and gives them the opportunity to use historical methods to think about the forces shaping their lives, their families, and their potential careers. Draws on a wide variety of sources and genres: alongside more traditional academic readings, students might be exposed to digital storytelling, journalism, television, and video games.

**HISTORY125S - The Documentary Experience: A Video Approach**

**Subject**
HISTORY  

**Catalog Number**
125S  

**Title**
The Documentary Experience: A Video Approach  

**Description**
A documentary approach to the study of local communities through video production projects assigned by the course instructor. Working closely with these groups, students explore issues or topics of concern to the community. Students complete an edited video as their final project. Not open to students who have taken this course as Film/Video/Digital 105S.

**HISTORY126S - Introduction to Oral History**

**Subject**
HISTORY  

**Catalog Number**
126S  

**Title**
Introduction to Oral History  

**Description**
Introductory oral history fieldwork seminar. Oral history theory and methodology, including debates within the discipline. Components and problems of oral history interviewing as well as different kinds of oral history writing.

**HISTORY127FS - Globalization and Corporate Citizenship**

**Subject**
HISTORY  

**Catalog Number**
127FS  

**Title**
Globalization and Corporate Citizenship  

**Description**
Are corporations citizens? And if so who defines their rights and responsibilities? To whom are they obligated? This course will critically examine the origins and diffusion of increasingly prevalent notions of corporate citizenship and corporate social responsibility from an anthropological perspective. Particular emphasis will be upon corporate environmental and conservation policies in East Africa and the United States. Open only to students in the Focus Program. Director of undergraduate studies consent required.

**HISTORY128 - War and Society in the Middle Ages and Renaissance**

**Subject**
HISTORY  

**Catalog Number**
128  

**Title**
War and Society in the Middle Ages and Renaissance  

**Description**
An introduction to war and society from about 500 to 1600 in western Europe. This course looks at the sources of conflict and the ways warrior identity and violence generally were culturally supported. The course will emphasize reading in primary sources, including documents and literature.
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</thead>
<tbody>
<tr>
<td>HISTORY</td>
<td>129</td>
<td>Introduction to African Studies (DS3 or DS4)</td>
<td>A range of disciplinary perspectives on key topics in contemporary African Studies: nationalism and pan-Africanism, imperialism and colonialism, genocide and famine, development and democratization, art and music, age and gender.</td>
</tr>
<tr>
<td>HISTORY</td>
<td>130D</td>
<td>American Dreams and American Realities</td>
<td>Examines the role of such myths as 'rags to riches,' 'beacon to the world,' 'the frontier' and 'foreign devil' in defining the American character and determining hopes, fears, dreams, and actions throughout American History. Attention given to the surface consistency of these myths as accepted by each immigrant group versus the shifting content of the myths as they change to reflect the hopes and values of each of these groups.</td>
</tr>
<tr>
<td>HISTORY</td>
<td>135</td>
<td>Silk Roads and China, Ancient and Medieval Transformations</td>
<td>The Silk Roads are the oldest and longest routes of cultural communication and economic exchange connecting Asia, Europe and Africa. In use since the days of Alexander the Great, the Roads and its rail networks now extend from China to England, connecting 70 countries and forming a vital system. This course introduces the ancient to early modern histories, cultures, and religions of the Silk Roads anchored in four themes: Alexander's empire; life in medieval cities of Chang'an, Baghdad and Constantinople; Silk Roads religions and the interactions of Buddhism, Christianity, Judaism and Islam; and the Mongol empire visited through the travels of Marco Polo.</td>
</tr>
<tr>
<td>HISTORY</td>
<td>138</td>
<td>From Stalin to Putin: The Art of Dictatorship</td>
<td>When the Soviet Union ceased to exist, many believed that Russia's history of autocratic rule might finally end. Today Russia under Putin appears to be retreating from democracy.Putin's rule is routinely compared to a dictatorship. The Soviet most notorious dictator, Stalin is being rehabilitated by the Russian establishment. This course traces the history of modern Russian politics from Stalin to Putin and examines how such completely ordinary individuals managed to amass the kind of power that is best described dictatorial. It examines the complex evolution of communist and post-Soviet leadership. The course is comparative and draws on Nazi Germany and Fascist Italy as case studies.</td>
</tr>
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</table>
### HISTORY140S - Empires in Modern European History

**Subject**  
HISTORY

**Catalog Number**  
140S

**Title**  
Empires in Modern European History

**Description**  
An introduction to political theories of imperialism and a comparative historical analysis of several European empires. Explores questions of nationalism, race, religious pluralism, state formation, globalization, and international governance. Readings drawn from history, sociology, anthropology, and political science.

### HISTORY143S - Gateway Seminar: The History of the U.S. South

**Subject**  
HISTORY

**Catalog Number**  
143S

**Title**  
Gateway Seminar: The History of the U.S. South

**Description**  
This course examines the history of the South from the colonial era to the present. The first part traces the rise of the plantation economy based on human bondage, the slaves’ wars and other abolition movements, the Civil War, emancipation, and the destruction of the most powerful slaveholding society in the Atlantic world. The second part traces postwar efforts to build a democratic South, the rise of the Jim Crow system of segregation and disfranchisement, class struggles, the civil rights and abolition movements of the twentieth and twenty-first centuries, and southern culture. Students will acquire analytical and research skills using primary documents.

### HISTORY150S - Birth of the West: Thinking about the Greek Origins of Western Civilization

**Subject**  
HISTORY

**Catalog Number**  
150S

**Title**  
Birth of the West: Thinking about the Greek Origins of Western Civilization

**Description**  
Have you ever wondered about the many ways in which those in the West look back to the Greeks for the origins of civilization? There is a breathtaking array of such 'beginnings' claimed by the Greeks, such as the invention of the alphabet, the first staged drama, the rise of formal logic and philosophy, democracy, realistic sculpture, the conventions of writing history (historiography), and much else. In this course, we will think through these claims to cultural 'origins,’ seeking both to learn and understand the narratives passed down to us, and to thoughtfully interrogate those narratives. An introductory course: no prior knowledge required.

### HISTORY152S - Gateway Seminar: History at Sea

**Subject**  
HISTORY

**Catalog Number**  
152S

**Title**  
Gateway Seminar: History at Sea

**Description**  
Maritime history through examination of ships, shipping, and shipboard communities. Topics addressed include shipboard language, labor, rituals, technology, aesthetics, and power, as well as free and forced maritime migrations. Discussion of the ways ships and shipping created the world in which we live.
**HISTORY156S - Gateway Seminar: Cold War America**

**Subject**  
HISTORY

**Catalog Number**  
156S

**Title**  
Gateway Seminar: Cold War America

**Description**  
A gateway seminar designed to introduce undergraduates to historical analysis, research, and writing through study of one of the most gripping and hotly debated periods of modern history: the early Cold War contest between the US and the USSR. The course will examine both foreign relations and domestic life, with a focus on the searing impact of a politics of fear. We will explore areas ranging from the dropping of the atomic bomb to McCarthyism, from the crippling of the civil rights movement and the purge of gays from government employment to the devastating 1950s interventions in Iran, Guatemala, and Vietnam.

**HISTORY157S - Gateway Seminar: Empires in Historical Perspective**

**Subject**  
HISTORY

**Catalog Number**  
157S

**Title**  
Gateway Seminar: Empires in Historical Perspective

**Description**  
Study of modern empires in historical comparative-connective perspective. Approaches, methods, themes include social history from below, maritime history, history of technology, debates about the ethicality of war, occupation and regime change in sovereign territories. Final research paper involving intensive primary-source research, extensive use of secondary and on-line sources for the study of empires.

**HISTORY160S - Gateway Seminar: The Global Sixties: Race, Revolution, Sexuality**

**Subject**  
HISTORY

**Catalog Number**  
160S

**Title**  
Gateway Seminar: The Global Sixties: Race, Revolution, Sexuality

**Description**  
The 1960s in global context, focusing particularly on Europe, Latin America, and the United States. The rise of mass movements dedicated to racial, economic, and sexual justice, against the backdrop of Cold War and decolonization. The mobilization of music, film, and the body in the service of revolution, with attention also to the global backlash and the rise of a new conservatism. Course materials include memoirs, speeches, political treatises, and cultural artifacts from the period.

**HISTORY161S - Gateway Seminar: How to Do History**

**Subject**  
HISTORY

**Catalog Number**  
161S

**Title**  
Gateway Seminar: How to Do History

**Description**  
Examines innovative approaches to researching and writing history. Addresses key methodological issues, including techniques historians use to interpret the past and the political stakes. Topics include critical approaches to race, gender and colonialism. How do historians construct their objects of study? What count as primary sources? How do we read them critically? How do historians formulate analytic questions and arguments? What narrative techniques do they use? What are the stages of a research project? Emphasis on primary research and writing in second half of course. Students conduct original research in archives of their choice; workshop; and write research papers.
HISTORY162S - Gateway Seminar: Asia in Global History

Subject: HISTORY  
Catalog Number: 162S  
Title: Gateway Seminar: Asia in Global History  

Description:
The goal of the course is to first explore the most important networks and flows that connected the Asian region to the Eurasian world since the ancient Silk Route and the spread of Buddhism through the new dynamics of the Early Modern World—16th to 18th centuries. The second part of the course probes the new dynamics that integrated Asian societies through Western capitalism and imperial forces in the 19th and 20th centuries. It will also cover the 'rise of Asia' in the current era of globalization.

HISTORY164S - Gateway Seminar - Antisemitism: Ethnicity, Race, Religion, Culture

Subject: HISTORY  
Catalog Number: 164S  
Title: Gateway Seminar - Antisemitism: Ethnicity, Race, Religion, Culture  

Description:
Focuses on selected anti-Judaic and antisemitic episodes from ancient antiquity through modern times, paying attention to both antisemitic texts and events. It evaluates competing theoretical frameworks for understanding antisemitism as ethnic, racial, religious and cultural phenomenon. Can antisemitism be understood as part of the history of racism or of other forms of ethnic hatred? Why were Jews so often target of hatred? How did both Jews and antisemites view their relations with each other? How do historians understand them? If there is limited continuity among antisemitic episodes, how can the prevalence and repetitiveness of antisemitism be explained?

HISTORY165S - Gateway Seminar: Environments in Crisis

Subject: HISTORY  
Catalog Number: 165S  
Title: Gateway Seminar: Environments in Crisis  

Description:
Understandings of human-environment relationships have been forged in moments of crisis: natural and human-made disasters, technological failures, political disputes, scientific controversies. This course addresses science, technology, and the environment in historical perspective through focused studies of environmental crises. We will learn to sort out the complex dynamics of nature, knowledge, ethics, and power wrapped up in environmental crises, the scientific and political stakes of past arguments over what is and isn't a crisis, and how understandings of environmental crisis both shape and are shaped by specific social, cultural, and political contexts (including our own).

HISTORY166S - Gateway Seminar - Anarchism and its Discontents

Subject: HISTORY  
Catalog Number: 166S  
Title: Gateway Seminar - Anarchism and its Discontents  

Description:
Introduction to the 19th century philosophical foundations of anarchist thought and to the history of the major anarchist movements in the 20th century in Russia, Italy and Spain. The first part of the course is an intensive investigation of the thought of Michael Bakunin, Pierre-Joseph Proudhon, Leo Tolstoy and Peter Kropotkin using selections from their own writings. The next unit focuses on the movements they inspired in Russia and Western Europe. The last unit concerns the more contemporary manifestations of anarchism in the U.S. under the influence of Murray Bookchin. Students will write a major paper due at the end of the course.
**HISTORY167S - Gateway Seminar: Nationalism: Ideology, Technology, Globalization**

**Subject**: HISTORY

**Catalog Number**: 167S

**Title**: Gateway Seminar: Nationalism: Ideology, Technology, Globalization

**Description**
What is a nation? What is a nation state? Is the nation state still a useful unit of government today? The goal of this seminar is to teach you theoretical and methodological tools and historical examples to critically think about nationalism in globalization. Readings include primary sources, classic theories on nationalism, fresh arguments from sociology and anthropology. The historical and contemporary case studies include American, Middle Eastern, South Asian, and European examples.

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**HISTORY168S - Gateway Seminar: How to Read a Map: The History of Cartography**

**Subject**: HISTORY

**Catalog Number**: 168S

**Title**: Gateway Seminar: How to Read a Map: The History of Cartography

**Description**
History and theory of cartography, from the ancient to the modern world. Maps as subjects of historical inquiry, sources for historical research, and ways of expressing historical argument. Space, geography, and history. Scientific, technological, economic, religious, political, artistic, social, literary, cultural, and global contexts for the production, design, dissemination, and consumption of cartography. As a History gateway, course also introduces students to various approaches to historical research method, including the development of research questions, the use of historical evidence, and the visual and written expression of historical narrative and argument.

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**HISTORY169FS - Heroes and Villains: Dissidence in the Middle East**

**Subject**: HISTORY

**Catalog Number**: 169FS

**Title**: Heroes and Villains: Dissidence in the Middle East

**Description**
Considering the historical culture of disobedience in the Middle East and the significant actors as superheroes and villains depending on the time and their affiliations. Investigating how the dissident voices are constructed and performed from pre-modern esoteric practices in dervish convents, or coffee houses to print culture and social media in modern times. Discussing major themes such as protest and propaganda, censorship and self-censorship, and surveillance and counter-surveillance through films, poetry, graphic novels, and music.

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**HISTORY170FS - Beyond Denial - A Thriving Future**

**Subject**: HISTORY

**Catalog Number**: 170FS

**Title**: Beyond Denial - A Thriving Future

**Description**
Part of the Focus cluster 'It's Not Too Late to Build a Better World,' requires permission. What are the roots of the climate crisis or unparalleled inequality? This course explores big ideas as well as specific models that envision a radically different future, one that provides for the common good within our given biophysical limits, including discourses such as post-growth, wellbeing, and care economics; eco-feminism; eco-anarchism; decolonization; ecological justice; and commoning. A reading and discussion intensive course that uses an interdisciplinary approach and includes elements of research, individual and group presentations, as well as a writing requirement.
HISTORY171S - Gateway Seminar: History of Intimacy: Family, Friendship, Romance

Subject: HISTORY  
Catalog Number: 171S  
Title: Gateway Seminar: History of Intimacy: Family, Friendship, Romance

Description
Examines how changing definitions of friendship, family structure, childhood, romantic love, gender roles, and sexual orientation shaped identity formation, social conflict, and cultural production through time. Course materials include letters, diaries, autobiographies, novels, government documents, and films, in addition to academic articles and books. Students produce final projects based in original research and significant secondary reading. Time period and geographical focus varies with instructor.

HISTORY175S - Gateway Seminar - The United States and the World

Subject: HISTORY  
Catalog Number: 175S  
Title: Gateway Seminar - The United States and the World

Description
Research and discussion seminar examining the place of America in the wider world, and ethical underpinnings of American expansion. Explores how Americans have viewed and defined themselves in relation to numerous ‘others.’ Investigates how and why a sense of mission has driven cultural, political, and geographic expansion.

HISTORY177S - Gateway Seminar: The Meaning of Freedom in American History

Subject: HISTORY  
Catalog Number: 177S  
Title: Gateway Seminar: The Meaning of Freedom in American History

Description
Focus on American conflicts over the meaning of ‘freedom’ or ‘liberty.’ Examination of changing definitions over time, and appraisal of the role that conflicts over ‘freedom’ play in defining American identity and politics in the present. Course readings (mostly primary sources) introduce students to central disputes over meanings of ‘freedom’ in American history, and student papers will also investigate conflicts or ideas about liberty.

HISTORY179S - Gateway Seminar: Capitalism & Its Critics

Subject: HISTORY  
Catalog Number: 179S  
Title: Gateway Seminar: Capitalism & Its Critics

Description
Surveys major advocates, critics, and reformers of capitalism, from Adam Smith, Charles Dickens, and Karl Marx to contemporary champions and opponents of ‘free market’ reform.
**HISTORY182S - The Law in Slavery and Freedom**

**Subject**: HISTORY  
**Catalog Number**: 182S  
**Title**: The Law in Slavery and Freedom  

**Description**: This course focuses on the relationship between slavery, race, and the law. It explores the dimensions and variability of the formal law of slavery, how it addressed the category of slave, codified the powers of slaveholders, and interacted with politics and culture to shape the institution of slavery and the making of the ideology of race. We will study primary documents such as trial transcripts, appellate opinions, treatises, codes, first-person narratives, and secondary work by legal scholars and historians. The course supports the development of skills in critical inquiry, research, and writing leading to the production of a final project based in original research.

**HISTORY183S - Gateway Seminar: Civil Rights and Asian Americans**

**Subject**: HISTORY  
**Catalog Number**: 183S  
**Title**: Gateway Seminar: Civil Rights and Asian Americans  

**Description**: Study of crucial legal and political moments in the struggle for equal civil rights of minorities, beginning with the laws of Chinese Exclusion, the struggle to define who was 'White,' the Asian Immigration Exclusion Acts, the relationships of Asians and African Americans and the struggle for equal schooling in the American South, the Japanese Concentration camps, the Redress and Reparations Civil Rights struggle, and the involvement of Asians Americans in the African American-led Civil Rights Movement in the 1960s, including working with Martin Luther King and Malcolm X, and Asian Americans in the anti-sweatshop unionization movement.

**HISTORY185S - Gateway Seminar: Disease in the Premodern World**

**Subject**: HISTORY  
**Catalog Number**: 185S  
**Title**: Gateway Seminar: Disease in the Premodern World  

**Description**: Using primary sources students will explore the impact, management and changing definitions of disease in various pre-modern societies. We look at disease in the context of encounters, environmental change and state formation between 100 and 1700CE. Not just understood as a biological phenomenon, disease can also work as signifying system, creating status hierarchies and highlighting particular social and political anxieties. Through the study of five or six historical epidemics, students will learn how to create historical resources out of medical sources.

**HISTORY186S - Gateway Seminar: Living Through the Great War**

**Subject**: HISTORY  
**Catalog Number**: 186S  
**Title**: Gateway Seminar: Living Through the Great War  

**Description**: Course examines experiences of participants in World War I, known as the Great War: why did they go to war willingly at first, and how did they come to terms with its absurdity and horror? Examines what the war means to us, 100 years later. Read letters, poetry, novels and memoirs and see films made by participants in the war and from later eras. Serves as an introduction to historical research and writing. Includes a variety of research and writing tasks, both formal and informal, which enable students to engage with the work of others and articulate a position with regard to historical interpretations.
**HISTORY187S - Political Culture in Africa**

**Subject**  
HISTORY

**Catalog Number**  
187S

**Title**  
Political Culture in Africa

**Description**
This course examines the history of political institutions in Africa. Beginning with pre-colonial political formations in a variety of African contexts, ranging from small-scale societies to large multi-ethnic states, it then examine the question of how European colonialism impacted existing African political culture and introduced or transformed institutions of governance, before moving to consider the political history of post-colonial Africa.

**HISTORY188S - Gateway Seminar: The Price of Sex: Gender and the Global Political Economy**

**Subject**  
HISTORY

**Catalog Number**  
188S

**Title**  
Gateway Seminar: The Price of Sex: Gender and the Global Political Economy

**Description**
Explores how sex and gender have shaped economic policies and opportunities in different settings, particularly in the modern era (19th, 20th, and 21st centuries). Will focus on public policies and normative practices at the local, national, and international levels. As a gateway seminar for the history major, will focus on developing an understanding of historiography and methodology culminating in a prospectus for a future research project.

**HISTORY189S - Gateway Seminar: Slavery and Its Afterlives**

**Subject**  
HISTORY

**Catalog Number**  
189S

**Title**  
Gateway Seminar: Slavery and Its Afterlives

**Description**
Examines the history of American slavery and the legacies of slavery in the present. Focus on slavery as a system of labor, law, race, kinship, knowledge, space, culture, property, and reproduction that affected all areas of American development. Considers the role of slavery in political debates about reparations, Confederate monuments, and critical race theory.

**HISTORY190 - Special Topics in History**

**Subject**  
HISTORY

**Catalog Number**  
190

**Title**  
Special Topics in History

**Description**
Topics vary from semester to semester.

**HISTORY190A - Duke-Administered Study Abroad: Special Topics in History**

**Subject**  
HISTORY

**Catalog Number**  
190A

**Title**  
Duke-Administered Study Abroad: Special Topics in History

**Description**
Topics differ by section.

**HISTORY190FS - Topics in Focus Program**

**Subject**  
HISTORY

**Catalog Number**  
190FS

**Title**  
Topics in Focus Program

**Description**
Open only to students in the Focus Program. Current list of courses available in the Focus program brochure and online.
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<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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<tbody>
<tr>
<td>HISTORY</td>
<td>190S</td>
<td>Special Topics in History</td>
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<tr>
<td></td>
<td></td>
<td>Topics vary from semester to semester.</td>
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<tr>
<td>HISTORY</td>
<td>190SA</td>
<td>Duke-Administered Study Abroad: Special Topics in History</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Seminar version of History 190A. Topics differ by section.</td>
</tr>
<tr>
<td>HISTORY</td>
<td>191L</td>
<td>Independent Study: Digital India Lab</td>
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<td>A digital humanities course for pursuing projects related to South Asia; students pursue any digital project of their choice related to Indian history, culture, literature, religion and politics; topics to be approved by instructor; no prerequisites, although having taken a South Asia course on campus recommended.</td>
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<tr>
<td>HISTORY</td>
<td>193S</td>
<td>Islam, Art, and Society</td>
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<td>Explores the historic interweaving of theology, spirituality, art, architecture, mathematics, &amp; astronomy in the beautification of everyday objects &amp; lived spaces. It examines how underlying principles of beauty and geometry shaped places such as hospitals, palaces, gardens, colleges, mosques, inns, and Sufi lodges as well as their historical functions in Muslim societies. Students also study and reconstruct historic examples of artistic patterns. A rotating variety of case studies across Afro-Eurasia may include sites and cultural artifacts from Bukhara, Cairo, Cordoba, Damascus, Delhi, Fes, Granada, Guangzhou, Hyderabad, Istanbul, Isfahan, Jerusalem, Malacca, Samarqand, Timbuktu &amp; more.</td>
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<tr>
<td>HISTORY</td>
<td>196S</td>
<td>Imagining Human Rights: Science Fiction, Culture, and the Creation of Rights</td>
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<td>This course engages students in the intersection of speculative fiction and the history of ideas about human rights and what it means to be human. Using interdisciplinary tools, including history, anthropology, and public policy, students will explore created worlds and new ways of thinking about what rights humans—and other beings—have, how those rights are proposed, and what happens when those rights are contested. The course focuses on how the imaginary influences or presages the real, allowing us to experiment with what-ifs. Students will work in Duke’s Locus Archives of primary documents on 20th-century science fiction spanning writers from China, the USSR, and Japan.</td>
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<tr>
<td>HISTORY</td>
<td>197S</td>
<td>Gateway Seminar: Environment, Energy, Climate Change</td>
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<td>Gateway Seminar. Exploration of human relationships with the natural world from prehistory to the present. Course examines the discovery of fire, the domestication of plants and animals, the extraction of minerals and energy, the design of petrochemicals, and the result – splitting of atoms along with waste left behind. We pay particular attention to environmental impacts ranging from deforestation to glacial melting, and consider linkages to broader cultural processes, like religion, colonialism, and (anti)capitalism. Seminar uses case studies, hands-on activities, and collaborative research to demonstrate the application of historical knowledge to societal problems.</td>
</tr>
</tbody>
</table>
HISTORY198 - Introduction to Asian American History
Subject: HISTORY  
Catalog Number: 198  
Title: Introduction to Asian American History
Description:
An introduction to the historical experiences of the diverse communities of Asian America, from the mid-19th century to the early 21st century. Topics will include migration, immigration law, experiences of war, community formation, and political activism. Students will also gain experience working with primary sources.

HISTORY201 - Globalization and History
Subject: HISTORY  
Catalog Number: 201  
Title: Globalization and History
Description:
Examination of globalization issues in a historical perspective. Reviews phenomena, institutions, e.g. empires, states, religion, corporation, and international agencies, and policies which enabled exchange of commodities, people, and cultures. Explores empirical evidence on growth and development for different world regions and historians' and social scientists' interpretations. Examines benefit of maintaining fine balance between quantitative evidence and historical analysis in assessing waning international integration of societies, markets, and cultures from first wave of European expansion to the present.

HISTORY202 - Gender and Socialism
Subject: HISTORY  
Catalog Number: 202  
Title: Gender and Socialism
Description:
History of socialist feminism as a global political movement and philosophical-theoretical tradition with a special focus on its divergent national trajectories and conflict-ridden relationship with liberal feminism and socialist and communist movements and governments in Europe, Russia, China, and US since the nineteenth century; offers an overview of European, Russian, Chinese, and US history of the last two centuries; includes exploration of principles and aspirations that informed socialist theory of modern society, social justice, family, motherhood, parenthood, sexual difference, gender equality as well as public policies and legislation instituted or informed by the socialist tradition.

HISTORY203 - History of Global Health
Subject: HISTORY  
Catalog Number: 203  
Title: History of Global Health
Description:
The course begins with the development of ancient medicine in Europe & China, and continues into the rise of biomedicine (e.g. laboratory science & microbiology) in the 19th and 20th centuries. Particular diseases illustrate important themes, such as the role of warfare in medical developments, the creation of international policy to control disease, and how non-Western societies intersected biomedicine. We trace global circulations of people and commodities to show how international agencies, charities, and governing bodies have spread both disease and the means to fight it. Medicine has always been a global undertaking, and its history prepares us to address emerging health crises.

HISTORY204 - Modern Africa
Subject: HISTORY  
Catalog Number: 204  
Title: Modern Africa
Description:
Focuses on African history in the twentieth century. Explores history of European colonialism, African nationalism, and the roots of contemporary African issues ranging from conflict and governance to social and cultural effects of economic transformations, pandemic diseases and environmental degradation.

HISTORY205 - Health and Healing in Africa
Subject: HISTORY  
Catalog Number: 205  
Title: Health and Healing in Africa
Description:
Examines how various communities in Africa have experienced, perceived, and treated maladies from the precolonial era to the present time. Places illness and therapy in specific historical contexts. Topics include hunger and famine; 'old world' diseases such as smallpox, disease and colonial conquest (c1880-1920); colonial regimes and health; and viruses that have emerged on the continent since c1975.
HISTORY206 - East Africa and the World
Subject: HISTORY
Catalog Number: 206
Title: East Africa and the World
Description: An interconnected history of East Africa and the many places linked to the region by trade, migration, and politics. Using archival, oral, and artistic source materials, considers how East Africans' lives have been shaped by mobility, from the dhow trade of the Indian Ocean, to the commercial hustle of contemporary Guangzhou and Dubai. Analyzes how ideas about race, class, gender, and sex changed over time in this complex setting.

HISTORY208S - South African Past and Present
Subject: HISTORY
Catalog Number: 208S
Title: South African Past and Present
Description: Explores the history of modern South Africa from the beginning of the mineral revolution in the 1860s to the post-apartheid present. We will cover mining-centered industrialization, the emergence of Afrikaner and African nationalism, segregationist ideology, and the construction of apartheid. We will examine the plethora of anti-apartheid struggles, and the regional and wide-ranging global efforts to end apartheid and usher in democracy. The establishment and promise of multi-party democracy, the AIDS epidemic, and the reemergence of social movements are all topics we will consider and we will conclude by reflecting on the place of South Africa as a regional, continental, and world power.

HISTORY209S - Islam in Asia
Subject: HISTORY
Catalog Number: 209S
Title: Islam in Asia
Description: Focus on the northern tier of Muslim-inhabited lands. The early spread of Islam among continental Asia's non-Arab peoples. The evolution of Muslim religious and cultural institutions under Mongol, Central Asian, Russian and Chinese empires. Asian Muslim encounters with European modernity and experience of Muslims under and after Soviet/Chinese socialist regimes.

HISTORY21 - World History
Subject: HISTORY
Catalog Number: 21
Title: World History
Description: Credit for Advanced Placement on the basis of College Board examination in World History (score of 4 or 5). One Advanced Placement credit may count toward the major.

HISTORY210 - Islamic Civilization I
Subject: HISTORY
Catalog Number: 210
Title: Islamic Civilization I
Description: A global history of Islamic thought, practice, spirituality, politics, and culture. This course analyzes the emergence of Islam and the spread of Muslim culture and learning across Africa, Asia, and Europe. It introduces how Muslims fostered a globalized economy and international community of scientists, scholars, agriculturalists, musicians, artisans, and philosophers of diverse backgrounds – along with other key themes that students may pursue in greater detail in future coursework. Gateway course for an interdisciplinary certificate in Islamic studies.

HISTORY211 - Islamic Civilization II
Subject: HISTORY
Catalog Number: 211
Title: Islamic Civilization II
Description: Continuation of Religion 375.
HISTORY 212 - The Turks: From Ottoman Empire to European Union
Subject: HISTORY
Catalog Number: 212
Title: The Turks: From Ottoman Empire to European Union
Description: Readings in cultural history and literature to examine transformations in Turkish identity from the Ottoman era to EU accession. Discussion of the ‘gazi thesis’, the ‘sultanate of women’, religious tolerance (millets), conversion, modernity and nationalism. Secondary topics include Sufism, Islam, gender, and historiography. Interdisciplinary focus. Taught in English.

HISTORY 213S - Gender and Slavery in the Americas
Subject: HISTORY
Catalog Number: 213S
Title: Gender and Slavery in the Americas
Description: Atlantic slave systems were gendered systems. Across lines of nation and empire, African-descended women and their reproductive labor were crucial to the formation of New World slave systems and the racial ideology that underwrote them. The study of gender is therefore critical in understanding slavery in the Americas. This course analyzes slave systems in North America, Latin America, and the Caribbean. Our aim will be to explore major points of emphasis in the histories of gender and slavery in these diverse locales. For their final project, students will have the opportunity to engage an area of this historiography more deeply in the form of a paper on a topic of their choosing.

HISTORY 214 - The Modern Middle East
Subject: HISTORY
Catalog Number: 214
Title: The Modern Middle East
Description: The historical development of the Middle East in the nineteenth and twentieth centuries. The emergence of nation-states in the region following World War I.

HISTORY 215S - Shamanism and Spirit Possession
Subject: HISTORY
Catalog Number: 215S
Title: Shamanism and Spirit Possession
Description: Anthropological, psychological, and Religious Studies approaches to cross-cultural study of spirit possession and shamanism. Examination of in-depth case-studies and comparative works, from both literate civilizations and non-literate cultures. Engage with contemporary concerns with nature and boundaries of personhood and embodiment and their relation to leadership.

HISTORY 216S - Between Moscow, Beijing and Delhi: Narratives of Europe and Asia
Subject: HISTORY
Catalog Number: 216S
Title: Between Moscow, Beijing and Delhi: Narratives of Europe and Asia
Description: Exercise in reconstructing Eurasian history from the 13th century Mongol invasions to post-Soviet era through critical reading of eyewitness accounts—travel notes and memoirs. Reflects on political, religious, and cultural evolution, expansion, and rivalry as well as cross-cultural and trans-regional exchange.

HISTORY 217S - Nigeria: A Modern History
Subject: HISTORY
Catalog Number: 217S
Title: Nigeria: A Modern History
Description: Nigeria is Africa's largest country by population, its largest economy, and one of the most diverse nation-states in the contemporary world. It is also a place of considerable poverty, wealth disparity, and political discord. How did Nigeria become this country of superlatives, good and bad? This course examines Nigeria's history over the last two centuries—a period encompassing the Atlantic trade in enslaved Africans, British colonial rule, the era of decolonization, and the recent histories of military rule and democracy. Along the way, we will consider Nigeria's place in the broader history of modern Africa.
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<th>Description</th>
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<tbody>
<tr>
<td>HISTORY218</td>
<td>218</td>
<td>Modern &amp; Global India</td>
<td>Examines the historical foundations for the emergence of India as a modern and global society with a focus on the Mughal empire, British colonialism, and Indian nationalism. Uses textual and visual sources for charting how local political, social-economic and cultural factors intersect with the global movements of peoples, goods, technologies, and ideas in the creation of the modern nation-state of India. Concludes with discussion of globalization of Indian labor, food, and Bollywood. Time frame from 1500 to present.</td>
</tr>
<tr>
<td>HISTORY219S</td>
<td>219S</td>
<td>Indian Civilization</td>
<td>Surveys the rise of civilization and kingdoms on the Indian subcontinent from the first urban centers of the Indus Valley through the establishment of the Mughal Empire in the 16th century. Uses literary, archeological, linguistic, ethnological, and inscriptive evidence on the diversity of Indic peoples and their complex social, religious, and caste integration into the major states and empires of pre-modern India; considers wider civilization networks and extensions of the Indian cultural sphere into other parts of Asia; integrates a historical and anthropological perspective on various primary materials.</td>
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<tr>
<td>HISTORY220</td>
<td>220</td>
<td>China from Antiquity to 1400</td>
<td>Beginning with the early neolithic cultures, focus on the evolution of Han civilization, the formation of the imperial state system in China, ecological adaptations and foundations of the agrarian economy, the coming of Buddhism to China, and China's contacts with other peoples and regions of Asia up to A.D. 1400.</td>
</tr>
<tr>
<td>HISTORY221</td>
<td>221</td>
<td>Food, Farming, and Feminism</td>
<td>Viewing 'agriculture,' 'nature,' and 'consumption' as pressing feminist themes and exploration of various dimensions of the cultural and political ecology/economy of producing, processing, circulating, preparing, and consuming sustenance. Particular focus on the ethical impact of US policy on rural farm communities and developing nations.</td>
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<tr>
<td>HISTORY222</td>
<td>222</td>
<td>Environment and Global Capitalism in Latin America</td>
<td>Global capitalism relies on the ever increasing extraction and displacement of natural resources around the world. The discovery and subsequent colonization of Latin America by European powers meant the massive circulation of organisms (from germs to human beings) and natural resources (organic and mineral) across continents with lasting consequences for humans, animals and landscapes. Focusing on Latin America, this course analyzes the environmental history of global capitalism. Our aim will be to explore what happens when massive amounts of natural resources are relocated from one place to another.</td>
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<tr>
<td>HISTORY223</td>
<td>223</td>
<td>Survey of Modern China 1800-Present</td>
<td>The course introduces the broad political and social changes of the last two hundred years in China beginning with the Qing imperial era and the last emperors, to the Opium Wars, the turning point of the Taiping Rebellion, the Republican Revolution and Communist Revolution; with focus and introduction to critical thought on imperialism, nationalism and ethnicity, revolution and social change using primary documents, secondary readings and films.</td>
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Duke University
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<th>Subject</th>
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<th>Title</th>
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<tr>
<td>HISTORY</td>
<td>225S</td>
<td>Muslim Women Across the Ages</td>
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<tr>
<td><strong>Description</strong></td>
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<td>This course explores the diverse realities of Muslim women's lives, from the origins of Islam to the present, through autobiographical and biographical accounts situated in their social, economic, political, and cultural contexts. The women we will encounter through textual and audiovisual materials represent a wide range of personal backgrounds, including scholars, mystics, merchants, philanthropists, poets, slavegirls, feminists, and Islamists. We will metaphorically travel across the globe and time to understand the multifarious facets of Muslim women's lived experiences.</td>
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<tr>
<td>HISTORY</td>
<td>226</td>
<td>Ancient and Early Modern Japan</td>
</tr>
<tr>
<td><strong>Description</strong></td>
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<td>Japan from earliest settlement to 1868; the Heian Court, rise of the samurai, feudal society and culture, the Tokugawa age, and the Meiji Restoration.</td>
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<tbody>
<tr>
<td>HISTORY</td>
<td>227</td>
<td>The Emergence of Modern Japan</td>
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<tr>
<td><strong>Description</strong></td>
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<td>A survey of modern Japanese history from 1850 to the present. Emphasis on social change as experienced by ordinary people. Includes a comparative overview of Japan's experience of modernity. This class is not open to students who have taken History 122A.</td>
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<tbody>
<tr>
<td>HISTORY</td>
<td>228</td>
<td>Chinatowns: A Cultural History</td>
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<tr>
<td><strong>Description</strong></td>
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<td>Explores the intersection of space and ethnicity through the myriad ways Chinatown has circulated as memory, fantasy, narrative, myth, in the dominant cultural imagination, and how lived realities of overseas Chinese communities, Asian American history, and changing conceptions of 'Chineseness' have productively engaged with real and phantom Chinatowns. Research will emphasize multi-disciplinary approaches, such as urban history, architecture, ethnography, economics; or engagement in a creative project.</td>
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<tr>
<td>HISTORY</td>
<td>229S</td>
<td>Asian American Community History</td>
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<tr>
<td><strong>Description</strong></td>
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<td>How have Asian Americans built communities in the United States in the 19th and 20th century? This course explores the institutions, politics, cultural fabric, social relationships, and conflicts that have characterized East, South, and Southeast Asian American communities in the United States.</td>
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<tr>
<td>HISTORY</td>
<td>23</td>
<td>American History, I</td>
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<tr>
<td><strong>Description</strong></td>
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<td>Credit for Advanced Placement on the basis of College Board examination in American History (score of 4 or 5). One Advanced Placement credit may count toward the major.</td>
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<td>Course Code</td>
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<td>HISTORY230</td>
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<td>HISTORY234D</td>
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</table>
HISTORY 235 - Drugs, Chemicals, and Health: Histories of Substances in Economies, Environments, and Bodies

Subject: HISTORY
Catalog Number: 235
Title: Drugs, Chemicals, and Health: Histories of Substances in Economies, Environments, and Bodies

Description:
This course asks how we might think historically about synthetic chemicals, natural alternatives, and the benefits and hazards they pose to human health, society, and environments. Combining cultural, political, and economic history with interdisciplinary environmental history and science & technology studies, we will follow historical 'biographies' and 'genealogies' of drugs and chemicals through economies, environments, and bodies, from cellular to planetary scales, comparing and connecting different global settings (including North Carolina). Focal substances may include aluminum, antiretrovirals, DDT, gold, indigo, mercury, nicotine, quinine, and opioids.

HISTORY 236 - Ancient Science and Technology

Subject: HISTORY
Catalog Number: 236
Title: Ancient Science and Technology

Description:
Development of scientific thought and technological innovation in the ancient Near East, Greece, and Rome. Topics might include the rise of scientific thought, as against myth; impact of scientific and technological developments on Greek and Roman society and culture; history of medicine; history of mathematics; military technology.

HISTORY 237 - Russia in the World: From Cold War to Putin’s Wars

Subject: HISTORY
Catalog Number: 237
Title: Russia in the World: From Cold War to Putin’s Wars

Description:
Traces evolution of Russian Federation foreign policy from the collapse of the Soviet Union at the beginning of the 1990s to the 2022 war in Ukraine. Examines elements of Russian grand strategy: military, economic (especially oil and gas), and diplomatic tools. Explores the role of one individual, President Vladimir Putin, in shaping policy in an increasingly autocratic state. Focuses on Russia’s relations with its neighbors, former allies, Europe, and the wider world, including the United States. Identifies linkages between domestic politics and events and foreign policy. Assignments focus on translating historical knowledge into actionable policy advice to meet current challenges.

HISTORY 238A - Rome: History of the City

Subject: HISTORY
Catalog Number: 238A
Title: Rome: History of the City

Description:
On-site study of the development of Rome’s urban plan and its major monuments through the ages; the influence of the ancient Republic and Empire, the Papacy, and the modern secular state; change and continuity in artistic forms and daily life. (Summer program in Italy.)
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<th>Subject</th>
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<tbody>
<tr>
<td>HISTORY238S</td>
<td>238S</td>
<td>History of Political Nonviolence</td>
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</table>

**Description**

In this seminar, we will investigate cases of peaceful resolutions of intractable conflicts during the 20th century as alternatives to tactics of warfare and counter-terrorism. The focus will include the dissolution of the Soviet Union and its Eastern European subordinate states; the end of British rule in India, the transition from the apartheid regime in South Africa; the plebiscite ending the Pinochet dictatorship in Chile; the accords ending the violence in Ireland; and the successful nonviolent strategies of the civil rights movement in the U.S.

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<tr>
<td>HISTORY239</td>
<td>239</td>
<td>History of Chinese Medicine</td>
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</table>

**Description**

This course introduces students to the history of medicine through the study of medical practices and beliefs in China. Paying close attention to socio-historical context, we will explore how those beliefs formed, how the practices have changed over time, and in particular how the introduction of Western medicine and then scientific biomedicine forced fundamental changes in Chinese medicine over the course of the twentieth century. This course also introduces students to the discipline of History, and students will work in close consultation with the professor to produce a unique research paper. History majors should take a Gateway Seminar first, but there are no official prerequisites.

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<tbody>
<tr>
<td>HISTORY239FS</td>
<td>239FS</td>
<td>Turkey: Muslim and Modern</td>
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</tbody>
</table>

**Description**

Turkish history from the 18th century to the present. Turkey as strategically ally of the US; candidate for membership in European Union; first Muslim country to adopt democracy, secularism, and Westernization, and as political, cultural, and economic model for other Muslim countries. Focus on Turkish people’s encounter with modernity as Muslims; questions about contradictions and promises of Muslim and modern experience; informed consideration of Islam’s encounter with the West. No prerequisites. No knowledge of Turkish required.

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<tbody>
<tr>
<td>HISTORY239S</td>
<td>239S</td>
<td>Turkey: Muslim and Modern</td>
</tr>
</tbody>
</table>

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<th>Catalog Number</th>
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<tr>
<td>HISTORY24</td>
<td>24</td>
<td>American History, II</td>
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</table>

**Description**

Credit for Advanced Placement on the basis of College Board examination in American History (score of 4 or 5). One Advanced Placement credit may count toward the major.

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<th>Subject</th>
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<tr>
<td>HISTORY240</td>
<td>240</td>
<td>Ancient Roman Law</td>
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</table>

**Description**

Introduction to Roman law, from the Twelve Tables to the Code of Justinian. Students read Roman texts in translation, learn how to use legal texts as sources for Roman history and society, and make connections between Roman law and modern legal systems. No previous knowledge of Latin or Roman history is required.
### HISTORY241 - The Age of Nero: History, Art, and Literature

**Subject** | **Catalog Number** | **Title**  
--- | --- | ---  
HISTORY | 241 | The Age of Nero: History, Art, and Literature  

**Description**  
The Age of Nero: History, Literature, and Art. Study of the history, literature, and art of one of the best documented, if misunderstood, periods of Roman history, with a view to separating fact from fiction, and understanding why Nero became one of history's greatest villains and whether his reputation is justified. Focus on what makes for a 'bad' political leader; who gets to decide how history is told; how power, politics, and art intersect; how and why Nero's story resonates with us today.

### HISTORY242S - Human Rights in the Americas

**Subject** | **Catalog Number** | **Title**  
--- | --- | ---  
HISTORY | 242S | Human Rights in the Americas  

**Description**  
This course introduces students to the history of human rights in Latin America, with a focus on certain regions. We will begin with the Conquest and cover the emergence of independent nation-states; the role of imposed economic policies, including neoliberalism; indigenous protest movements and their relationships to corporate interests; and the influence of the United States on human rights, government formation, immigration and the drug trade. Instructor consent required. Open only to students in the DukeImmerse program.

### HISTORY243S - Cross-Cultural Encounters

**Subject** | **Catalog Number** | **Title**  
--- | --- | ---  
HISTORY | 243S | Cross-Cultural Encounters  

**Description**  
The dynamics of cross-cultural interaction have actively shaped the world for many centuries now. This class explores some of the religious, social, and economic forces that fostered increasingly global contacts in history. In particular, it examines how centrally located and cosmopolitan Muslims played a critical role in connecting people of far-flung regions, cultures, and religions with one another. It surveys the myriad encounters of Muslims, Buddhists, Confucianists, Hindus, Jews, Christians and more across Afro-Eurasia and into the Americas. How did religious networks, processes and events foster historic exchanges of ideas, practices, and commodities across the world?

### HISTORY244 - From History to Fantasy: Medieval Religions in Film & Fiction

**Subject** | **Catalog Number** | **Title**  
--- | --- | ---  
HISTORY | 244 | From History to Fantasy: Medieval Religions in Film & Fiction  

**Description**  
Explores the intersection of modern popular culture and medieval religious culture. Deep dive into how modern creators of mass entertainment use common notions of medieval faith, power, race, sexualities and violence to capture and hold our interest, teach us lessons about ourselves, and sell products. How do our ideas of faith, sexuality, race and power inspire or constrain the fiction we create about the past? What impact does this have on consumers? Monks, nuns, knights, crusades, secret societies, suffragists, alt-right, plague. Modern novels, commentaries, history, medieval texts, neurobiology, TV, films, ads, games, memes, clubs. Read, discuss, write, research.
HISTORY245 - Race in the 20th Century U.S.
Subject: HISTORY
Catalog Number: 245
Title: Race in the 20th Century U.S.
Description:
Increasingly, our world today acknowledges that race is less about biological features and more about social rules and ideas. So why does race remain so important in the twenty-first century? This course combines ideas from history, public policy, sociology, and political science to examine how ideas of race have changed from 1877, following the end of Reconstruction, to the present. While we might think of ideas like 'white,' 'Black,' 'Asian American,' or 'Hispanic' as concrete, easily definable categories, all of these categories and their social impact changed significantly over the course of a century.

HISTORY246S - Modern Jewish Identities: Between Eastern Europe and the United States
Subject: HISTORY
Catalog Number: 246S
Title: Modern Jewish Identities: Between Eastern Europe and the United States
Description:
Drawing on documentaries, historical fiction films, autobiographies and memoirs, this course explores how the diverse spectrum of Ashkenazi Jews living in the Russian empire and then Poland from 1900-1939 conceived of their identities as Jews and how their identities may have altered once they emigrated to the United States. After the Shoah, we examine how Jewish emigrants to the US and those Jews and their descendants who remained in postwar Poland/Ukraine sought contact with each other in attempts to rethink what it means to be a post-Holocaust Jew in their respective contexts and in dialogue with each other.

HISTORY248 - History and Culture of Iran
Subject: HISTORY
Catalog Number: 248
Title: History and Culture of Iran
Description:
A multi-disciplinary approach to Iran and Persian culture. Covers history, religion, politics, literature, music, and cinema. Focuses on the developments in Iran leading up to and after the 1979 revolution. Does not require any knowledge of Persian or previous background.

HISTORY248S - Book Publishing & Marketing: A Case Study of the Romance Fiction Industry
Subject: HISTORY
Catalog Number: 248S
Title: Book Publishing & Marketing: A Case Study of the Romance Fiction Industry
Description:
A case study of the US romance fiction industry and its global reach. The romance novel is the most popular form of fiction in the world. Its industry is powered by women, produces a product consumed by women, and exports to global audiences. Includes: its history, role in popular American culture, and rise to dominate the fiction market; how creative projects become commercial products; dramatic shifts in the book industry over three centuries, including the ebook- and self-publishing revolutions; how notions of gender and sexuality have shaped the aggressive and ingenious marketing of romance fiction from its origins; representations of race in romance fiction.
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<tr>
<td>HISTORY249</td>
<td>249</td>
<td>Transnational Feminism</td>
<td>Explore feminist projects and approaches that cross a variety of borders. Under what conditions is solidarity across difference and inequality possible? This seminar examines this and other questions using relevant theories, film, and scholarship. Topics include activism, human rights, development, capitalism, war/militarization, racism, embodiment, and health. Assigned readings and films largely focus on the Global South but situate the Global North within circuits and relationships. The professor guides each student in preparing an original research paper on a relevant topic of interest to the student.</td>
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<td>HISTORY25</td>
<td>25</td>
<td>European History, I</td>
<td>Credit for Advanced Placement on the basis of College Board examination in European History (score of 4 or 5). One Advanced Placement credit may count toward the major.</td>
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<tr>
<td>HISTORY250</td>
<td>250</td>
<td>Green Germany: World Leader in Environmental Policy</td>
<td>Exploration of Germany’s leading global role in developing and implementing ‘green’ technologies and environmental policies. Analyzes Germany’s current and past policies on energy, agriculture, and pollution control. Examines policies in context by studying German ideas about nature, history of German environmentalism, and by looking at Green Germany in European and global perspective. Discusses extent of ethics can or ought to influence debates about global climate change and its ramifications. Readings include scholarly studies, exemplary policies, and groundbreaking ecological texts.</td>
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<td>HISTORY251</td>
<td>251</td>
<td>Jewish History, 1492 to the Present</td>
<td>Major developments in Jewish history from the early modern period to today. The Kehillah, the Spanish-Jewish Diaspora, the rise of Polish Jewry, the Safed Kabbalah, Sabbatianism, the emergence of the Chassidut, the Haskalah (Jewish Enlightenment), Emancipation and the nation state, Reform Judaism, economic modernization, racial antisemitism, Zionism, the Holocaust, the State of Israel, flourishing Jewish pluralism in the United States, the future: nation and Diaspora?</td>
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<td>HISTORY252</td>
<td>252</td>
<td>U.S. Military Power: A Critical History</td>
<td>This course probes the history of U.S. military power from the late nineteenth century to the present. Our explorations open with the activities of U.S. armed forces in the post-civil war era of light military mobilization and incipient American world power, follow the making of the United States as the world’s most formidable military power with superior global military capability in the era of the world wars and beyond, and end with the crisis of U.S. war-making and military dominance in the contemporary world.</td>
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<td>HISTORY253</td>
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<td>253</td>
<td>Dante's Divine Comedy: Hell, Purgatory and Paradise</td>
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<td>HISTORY254</td>
<td>HISTORY</td>
<td>254</td>
<td>The Expansion of Medieval Europe</td>
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<td>HISTORY255</td>
<td>HISTORY</td>
<td>255</td>
<td>German History Through Film</td>
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<td>HISTORY256</td>
<td>HISTORY</td>
<td>256</td>
<td>The Viking Age</td>
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<tr>
<td>HISTORY257</td>
<td>HISTORY</td>
<td>257</td>
<td>Religion, Reform, and Violence in Early Modern Europe</td>
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HISTORY258S - Women and Power in the Renaissance

Subject: HISTORY
Catalog Number: 258S
Title: Women and Power in the Renaissance

Description: Explores the intellectual, social, and political history of women in Renaissance Europe. Despite the overwhelmingly patriarchal nature of early modern society, many women wrote treatises, dialogues, and poetry in which they argued for a broader role for women. Students will examine these primary texts (some by famous figures, others by much less well-known writers) within the context of a burgeoning social history that has provided a more nuanced view of gender relations and power in this period.

HISTORY259S - Contemporary South Africa

Subject: HISTORY
Catalog Number: 259S
Title: Contemporary South Africa

Description: Nelson Mandela’s presidency in 1994 inaugurated democracy in South Africa. Using a historical lens, this course will explore the promises, possibilities, and disappointments of the democratic era. In what ways has the 1994 election slogan ‘A better life for all’ come to pass? Why and in what ways has the new political elite fallen short in delivering on its promises? How have segments of the public sought to impose accountability and restitution on new democratic governments, as well as on the long-standing titans of industry?

HISTORY26 - European History, II

Subject: HISTORY
Catalog Number: 26
Title: European History, II

Description: Credit for Advanced Placement on the basis of College Board examination in European History (score of 4 or 5). One Advanced Placement credit may count toward the major.

HISTORY260 - Magic, Religion, and Science since 1400

Subject: HISTORY
Catalog Number: 260
Title: Magic, Religion, and Science since 1400

Description: The history of magic and witchcraft in western culture from the Renaissance to the present, with particular attention to the relationship of supernatural beliefs to religion and science. The renewal of magic, astrology, and alchemy in the Renaissance; early modern witch beliefs and the witch hunt; national skepticism in the Enlightenment; modern marginal sciences such as parapsychology; and adaptations of magical beliefs to modern culture in the nineteenth and twentieth centuries.

HISTORY260D - Magic, Religion, and Science since 1400

Subject: HISTORY
Catalog Number: 260D
Title: Magic, Religion, and Science since 1400

Description: The history of magic and witchcraft in western culture from the Renaissance to the present, with particular attention to the relationship of supernatural beliefs to religion and science. The renewal of magic, astrology, and alchemy in the Renaissance; early modern witch beliefs and the witch hunt; national skepticism in the Enlightenment; modern marginal sciences such as parapsychology; and adaptations of magical beliefs to modern culture in the nineteenth and twentieth centuries.

HISTORY261 - Germany Confronts Nazism and the Holocaust

Subject: HISTORY
Catalog Number: 261
Title: Germany Confronts Nazism and the Holocaust

Description: The ways in which official German culture comes to terms with its Nazi past. Background reading in history and politics; primary focus on films, dramas, novels, and poetry, as well as public memorials, monuments, and museums. Authors treated include: Wolfgang Borchert, Rolf Hochhuth, Peter Weiss, Ruth Klüger. Taught in English.
HISTORY262 - Roman Political Thought and Its Modern Legacy

**Subject**  
HISTORY  
**Catalog Number**  
262  
**Title**  
Roman Political Thought and Its Modern Legacy

**Description**
Why does Rome still capture the imagination of modern political commentators and theorists? This course examines Roman political thought as it was conceived under the Republic, reimagined under the Empire, and transformed by Christianity. Topics may include the Roman constitution, liberty, equality, property, slavery, rights, citizenship, civil religion, political corruption, rhetoric, imperialism, just war theory, and cosmopolitanism.

HISTORY263 - The Political History of Modern Architecture: From Revolution through Neoliberalism

**Subject**  
HISTORY  
**Catalog Number**  
263  
**Title**  
The Political History of Modern Architecture: From Revolution through Neoliberalism

**Description**
Given the needs for labor, materials, and legal permissions, architects in the modern period by definition intersect with interests of power. This course explores the role of political institutions and ideologies in the history of modern architecture. While the course focuses on European and North American examples, we will also include key case studies of non-Euroamerican architecture and politics. The course provides a foundational knowledge of the history of modern architecture as well as how political institutions and ideologies have influenced that development.

HISTORY264 - Latin American Wars of Independence

**Subject**  
HISTORY  
**Catalog Number**  
264  
**Title**  
Latin American Wars of Independence

**Description**
This course covers the conspiracies, uprisings, and wars that led to the independence of Haiti and the Latin American colonies of Spain and Portugal between 1780 and the 1898 withdrawal of Spain from Cuba. It focuses on the key military and political leaders of anti-colonial struggles conducted on a continental scale from the islands of the Caribbean to the Andean highlands and beyond. Military strategy and political tactics were decisively shaped by modern debates about the meaning of freedom in terms of slavery and national self-determination. No prior knowledge of Latin America and the Caribbean required.

HISTORY265S - Religion and Politics in Post-Revolutionary Iran

**Subject**  
HISTORY  
**Catalog Number**  
265S  
**Title**  
Religion and Politics in Post-Revolutionary Iran

**Description**
The relationship between religion and politics; Islam and politics; Islamic political theology and ethics; stages of Shi'ite Islam and politics; Iran between two revolutions; political Islam; Khomeini's political thought; Iranian Constitution; tension between theocracy, secularism, and democracy; quasi-democracy and elections; expediency and secularization; civil and Islamic law; Muslim fundamentalists, traditionalists, and reformists; from competitive electoral to the non-competitive electoral authoritarian regime; women's rights; religious and ethnic minorities; foreign policy; revolutionary guards; Khomeini and Khamenei administrations; the future of Islamic republic of Iran.
### HISTORY266A - Germany Today: A European Superpower? Duke-in-Berlin

**Subject**: HISTORY  
**Catalog Number**: 266A  
**Title**: Germany Today: A European Superpower? Duke-in-Berlin  

**Description**  
The political, military, and economic role of the reunified Germany within the European Union. Analysis of the political system of the Federal Republic of Germany and of the structure of the European Union. Taught by German faculty in the Duke-in-Berlin spring semester program.

### HISTORY267S - Global Cold War

**Subject**: HISTORY  
**Catalog Number**: 267S  
**Title**: Global Cold War  

**Description**  
Traditional narratives of the Cold War focus on a bi-polar series of conflicts that pit the United States against the Soviet Union in a good-versus-evil battle for global political and military supremacy. This course destabilizes this account of a process that affected every continent on earth – and even reached into space – over the period of more than half a century. It explores the Cold War from East-West, North-South, global, and interstellar perspectives. In addition to political and military issues, the course will also discuss the Cold War in social, cultural, intellectual, and economic spheres.

### HISTORY268SA - Berlin Film City: Movies in the Metropolis

**Subject**: HISTORY  
**Catalog Number**: 268SA  
**Title**: Berlin Film City: Movies in the Metropolis  

**Description**  
A course about Berlin’s rich and unparalleled cinema history. Screenings, readings, and visits to historical studios and cinemas, film museums, archives, and film academies. The course is structured around a series of iconic films about Berlin. Units on Weimar cinema, Nazi film, DEFA (East Germany’s production studio), the New German Cinema of the 1970s and 80s, post-wall film, and the twenty-first century Berlin School. Students will engage in close analysis of films in their historical context and discuss how cinema engages with issues of national, political, religious, ethnic, gender and sexual identities. Offered in English in the Duke in Berlin summer program.

### HISTORY269 - Tudor/Stuart Britain

**Subject**: HISTORY  
**Catalog Number**: 269  
**Title**: Tudor/Stuart Britain  

**Description**  
Introduction to the history and culture of sixteenth and seventeenth century England; the Reformation, Colonization, and the Civil war. Changes in legal cultural ideas of identity and authority.
HISTORY271 - Modern Britain

Subject: HISTORY
Catalog Number: 271
Title: Modern Britain

Description
Introduction to British history in the modern period, eighteenth century through the present. Impact of industrialization and imperial expansion on political culture, social relations of class and gender, and national identity. Imperial comparisons and connections to the British experience.

HISTORY272 - Genocide and Human Rights

Subject: HISTORY
Catalog Number: 272
Title: Genocide and Human Rights

Description
Analyzes the phenomenon of genocide from an interdisciplinary perspective, exploring the ways that violence intersected with gender, race, and religion. Combines the history of genocide with the history of humanitarianism, international law, and human rights, seeking to understand their successes and failures. Case studies cover the twentieth century up to the present and may include mass violence in Armenia, the Congo, the Holocaust, Nigeria/Biafra, Cambodia, Rwanda, and Sudan. An interdisciplinary approach will be used, seeking to investigate genocide and human rights from the heights of international law to the depths of the human heart, using tools of political science, literature, and history.

HISTORY273S-1 - The Spanish Civil War and its Effects Today: History, Literature, Film

Subject: HISTORY
Catalog Number: 273S-1
Title: The Spanish Civil War and its Effects Today: History, Literature, Film

Description
Spanish Civil War of 1936-39 through literary and historical readings, art, music, and film. Special attention given to values held by supporters of each side, and how they put them into practice during and after the war. Consideration of American volunteers who fought fascism in Spain. Emphasis on human rights violations, and how they still affect Spain today. Taught in Spanish. Not open to students who have taken Spanish 431S or Human Rights 431S. Recommended prerequisite: Spanish 331S or Spanish 316S, or higher, or permission of instructor.

HISTORY274 - Introduction to Asian American and Diaspora Studies

Subject: HISTORY
Catalog Number: 274
Title: Introduction to Asian American and Diaspora Studies

Description
What does it mean to be Asian American? Asian American Studies is an interdisciplinary field that draws on social sciences, humanities, and the arts to explore the historical and contemporary experiences of Asian Americans in the western hemisphere. This course provides students with an introduction to this dynamic and growing field of study, taking race, gender, immigration, diaspora, class, labor, and sexuality as primary subjects of the field. The course also historicizes Asian American racialization to better understand the structural forces that have shaped Asian American lives and the ways that writers, scholars, and activists have responded to and resisted these forces.
HISTORY275 - The Russian Empire

Subject: HISTORY  
Catalog Number: 275  
Title: The Russian Empire

Description:
Russian imperial history from Peter the Great to Bolshevik Revolution: 1700-1917. Focus on formation and governance of multiethnic and multiconfessional Russian empire. Traces expansion of land-locked city state (Muscovy) into world power ruling from Eastern Europe to Alaska. Questions implications of Russia's world-power status. Examines institutions of governance that created this empire and held its various ethnic, religious and ideological groups together for centuries. Readings of English translations of works of Russian literature and historiographic analyses aimed at developing a sound grounding in Russian imperial history and culture.

HISTORY276 - From Tsars to Commissars: Russian Cultural History

Subject: HISTORY  
Catalog Number: 276  
Title: From Tsars to Commissars: Russian Cultural History

Description:
Medieval origins of the Imperial Russian state, concentrating on the period between the reign of Catherine the Great (1762-1796) and the death of Lenin in 1924. Emphasis on state authority, ruling elites, and the formation of the opposition revolutionary movement leading to the Bolshevik seizure of power in 1917.

HISTORY277 - Tolstoy and the Russian Experience

Subject: HISTORY  
Catalog Number: 277  
Title: Tolstoy and the Russian Experience

Description:
Historical approach to Tolstoy’s depictions of major societal and ethical issues (e.g., war, peace, marriage, death, religion, relationships). Culture of salons, print culture, censorship, and changing political climate. Central questions on the relationship of fiction and history: uses of fiction for understanding history and dangers of such an approach. Readings include selected fiction of Tolstoy, excerpts from journals and letters, and critical and historical accounts of nineteenth-century Russia.

HISTORY278S - Nationalism and Exile

Subject: HISTORY  
Catalog Number: 278S  
Title: Nationalism and Exile

Description:
The dilemmas confronting Russian and European exiles in the nineteenth and twentieth centuries in the context of nation-state identities. Focuses on political and literary exiles forced from their native countries. Central to the study is the role of the modern nation-state, from whose boundaries the exiles were expelled.

HISTORY279 - The Foundations of Modern Terrorism

Subject: HISTORY  
Catalog Number: 279  
Title: The Foundations of Modern Terrorism

Description:
An exploration into the problems associated with terrorism in the modern era. The subject will be treated historically, chronologically and thematically, with emphasis on the 19th and 20th centuries. We shall also be examining three main geographic areas -- Europe, Russia and the U. S. Comparisons will therefore be made of the different genres of terrorisms that have functioned in these and other localities, including Latin America and Africa. We conclude with the road to 9/11.

HISTORY280S - Masculinities & Global Politics

Subject: HISTORY  
Catalog Number: 280S  
Title: Masculinities & Global Politics

Description:
The course uses readings and films to examine masculinities historically and transnationally, including a unit on masculinities in US politics; draws from history, sociology, feminist geography, popular culture studies, Black studies, and sexuality and queer studies; interactive lectures and guest scholars. Each student is guided to complete an interview-based research project with three male-identified persons of multiple generations with serves in lieu of a final exam.
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<th>Course Code</th>
<th>Catalog Number</th>
<th>Title</th>
<th>Subject</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>HISTORY282</td>
<td>282</td>
<td>End of Russian Socialism: History of Perestroika</td>
<td>HISTORY</td>
<td>History of the fall of the Soviet Union as interplay between Russia's economic legacy, a sequence of economic and political decisions undertaken by Gorbachev's government in the 1980s, and international forces that influenced Russia's decision to reform; includes exploration of principles and aspirations that informed Soviet socialist economy in theory and practice; traces the restructuring of Soviet economic system into its present-day capitalism a la Russe.</td>
</tr>
<tr>
<td>HISTORY283S</td>
<td>283S</td>
<td>Turkish History through the Novels of Orhan Pamuk</td>
<td>HISTORY</td>
<td>An introduction into Turkish history (including the Ottoman Empire) through a comparative study of the historical novels and nonfiction of Nobel Laureate Orhan Pamuk. Addresses Pamuk's role as an intellectual-author who mediates between Islamic culture, secular modernity, the Turkish national tradition and an international canon of literature. Political implications of Sufism, cultural revolution, Orientalism, and post-colonialism. Secondary focus on representations of cosmopolitan Istanbul, political Islam and the military coup. Taught in English.</td>
</tr>
<tr>
<td>HISTORY284</td>
<td>284</td>
<td>Life Within Capitalism: A History of its Values, Measures and Struggles</td>
<td>HISTORY</td>
<td>Examination of how capitalism has profoundly shaped people's ethical values, with focus on United States. Investigates central developments behind history of capitalism; explores key struggles that led to formation of capitalist logic (choices, values, goals); traces impact of capitalist goals and measures on ethical values and choices; examines discussions about possible future developments within capitalism.</td>
</tr>
<tr>
<td>HISTORY286</td>
<td>286</td>
<td>Europe in the Twentieth Century</td>
<td>HISTORY</td>
<td>An examination, emphasizing cultural and political trends, of the turning points that have shattered political unity (two world wars, economic depression, protest movements, the Cold War and ethnic strife), as well as forces for unification (modernist literature, film and music, political ideologies, the Common Market, and post-1989 revival).</td>
</tr>
<tr>
<td>HISTORY287</td>
<td>287</td>
<td>History of the World Wars</td>
<td>HISTORY</td>
<td>An examination of the origins, course, and consequences of the world wars of twentieth century. Close attention is paid to impact of warfare on society and the ensuing moral and political controversies.</td>
</tr>
<tr>
<td>HISTORY288</td>
<td>288</td>
<td>History of Inequality</td>
<td>HISTORY</td>
<td>This course familiarizes students with the field of Inequality Studies through examination of the causes and consequences of social inequality throughout history. It addresses theories of group and sub-group social stratification and ways that disparity operates across multiple axes of stigmatized identities. This is a required course for the minor in Inequality Studies.</td>
</tr>
</tbody>
</table>
HISTORY289S - Decolonization: Histories, Meanings, Struggles

Subject: HISTORY  
Catalog Number: 289S  
Title: Decolonization: Histories, Meanings, Struggles

Description:
This course explores decolonization as an historical event, a category of theoretical analysis, and a series of contemporary social movements. Course material will introduce students to the history of decolonization as both idea and event, putting global anti-colonial movements of the twentieth century into conversation with contemporary struggles for the decolonization of occupied land, institutions, and epistemologies. This interdisciplinary course draws on work in history, geography, anthropology, women's studies, and postcolonial and decolonial Studies. Students will also read and research manifestos, memoirs, archival documents, documentary films, oral histories, and museum exhibits.

HISTORY290 - Special Topics in History

Subject: HISTORY  
Catalog Number: 290  
Title: Special Topics in History

Description:
Topics vary from semester to semester.

HISTORY296S - Race and Society: South Africa and the US, 1890-present

Subject: HISTORY  
Catalog Number: 296S  
Title: Race and Society: South Africa and the US, 1890-present

Description:
Scholars, pundits and historical actors have long drawn parallels between the United States & South Africa-two countries founded on the premises of racial inequality. This course explores the machinations of race from the quickening of industrial development to present. We will consider the benefits and pitfalls of thinking comparatively. Topics include segregation, transatlantic cultural exchanges, living apartheid and Jim Crow, government surveillance of political opponents, the American anti-apartheid movement, mass incarceration and privatization of prisons, memory and the struggles for social change as well as the persistence of racial inequality in two country's contemporary societies.

HISTORY297 - The Holocaust

Subject: HISTORY  
Catalog Number: 297  
Title: The Holocaust

Description:
Antisemitism and the Jewish question in Central Europe, the development of Nazi policy, the Final Solution in its different sites (ghetto, labor camps, extermination camps) and institutions (SS, Judenrat), the Holocaust's legacy. Historiographical debates and documentary research.
### HISTORY298S - Global South Asia: History and Culture of Diaspora

**Subject:** HISTORY  
**Catalog Number:** 298S  
**Title:** Global South Asia: History and Culture of Diaspora

**Description**
This course examines the making of South Asia (Afghanistan, Bangladesh, India, Myanmar, Pakistan, and Sri Lanka) as a global space from the early 20th-century until today. In addition to an examination of the region, course material will also address the South Asian Diaspora, particularly throughout Australia, East Africa, Southern Africa, Canada, the Caribbean, France, Germany, the United Kingdom, and the United States. Topics may include imperialism and decolonization; the making of postcolonial nation-states; migration, labor, and citizenship; and the global circulation of caste, class, religion, gender, and sexuality.

### HISTORY301T - Applied Historical Research

**Subject:** HISTORY  
**Catalog Number:** 301T  
**Title:** Applied Historical Research

**Description**
Project-based course in which undergraduate and graduate students work collaboratively to produce a significant public-facing research product drawing on historical analysis. Topics vary depending on section. Students will gain a conceptual understanding of the project topic, develop research plans, conduct new research, and develop a final product containing significant analysis and interpretation (e.g., exhibits, databases, oral histories, data visualizations). Graduate students will mentor undergraduate students and take leadership roles in facilitating projects. Some courses will continue in a two-semester sequence. Instructor consent required.

### HISTORY302 - Applied Historical Research

**Subject:** HISTORY  
**Catalog Number:** 302  
**Title:** Applied Historical Research

**Description**
Project-based course in which undergraduate and graduate students work collaboratively to produce a significant public-facing research product drawing on historical analysis. Topics vary depending on section. Students will gain a conceptual understanding of the project topic, develop research plans, conduct new research, and develop a final product containing significant analysis and interpretation (e.g., exhibits, databases, oral histories, data visualizations). Graduate students will mentor undergraduate students and take leadership roles in facilitating projects. Some courses will continue in a two-semester sequence. Instructor consent required.

### HISTORY303 - Rise of Modern Science: Newton to Einstein

**Subject:** HISTORY  
**Catalog Number:** 303  
**Title:** Rise of Modern Science: Newton to Einstein

**Description**
See History 302.
### HISTORY305 - History of International Financial and Monetary Crises

**Subject**  
HISTORY

**Catalog Number**  
305

**Title**  
History of International Financial and Monetary Crises

**Description**  
Course examines monetary/financial crises plaguing world since 16th century. Analyzes origin, unfolding, and impact of crises, debates generated by them, and formulation/implementation of policy measures. Attention to international implications/connections on European/Asian money supply, banking/credit systems; reaction to South Sea Bubble and John Law Credit Systems in numerous European nations; experiments with paper money in America; rise/demise of gold standard in 19th/20th century; currency and exchange rate problems of last three decades. Case studies will be selected and assigned according to participants’ interests. Prerequisite: Economics 201D and 210D.

### HISTORY307 - History of Economic Thought

**Subject**  
HISTORY

**Catalog Number**  
307

**Title**  
History of Economic Thought

**Description**  
Approaches to economic problems from Aristotle to Keynes, emphasizing certain models and doctrines—their origins, relevance, and evolution. Readings from Mun, Quesnay, Adam Smith, Malthus, Ricardo, Marx, Walras, Veblen, and Keynes. Prerequisite: Economics 201D.

### HISTORY308S - Adam Smith and the System of Natural Liberty

**Subject**  
HISTORY

**Catalog Number**  
308S

**Title**  
Adam Smith and the System of Natural Liberty

**Description**  
A seminar focused on the writings of Adam Smith, including close readings of The Wealth of Nations and The Theory of Moral Sentiments, and selections from Mandeville, Hutcheson, Hume, Quesnay, Turgot, and Bentham. Focus on eighteenth-century views on the nature of society and the origins of prosperity, the luxury debate, and links between natural philosophy (including medical thought), and moral philosophy. Recommended prerequisite: Economics 311.

### HISTORY309 - Alexander Hamilton and His World

**Subject**  
HISTORY

**Catalog Number**  
309

**Title**  
Alexander Hamilton and His World

**Description**  
Using the musical 'Hamilton' as a starting point and a foil, this course examines Alexander Hamilton’s life, work, and impact in the context of his rapidly changing world. The course addresses some of the central issues tied to Hamilton’s life and career in both the Caribbean and the English colonies of North America: class and social mobility, the origins and character of the American Revolution, gender relations and ideas in the new republic, plantation slavery and controversies about it, the problems of unity and nation-building, the development of a US economy and financial system, party competition and democratic mobilization, the United States’ relationship to world powers.
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<td>HISTORY309S</td>
<td>309S</td>
<td>The History of Modern Macroeconomics from Keynes to the Present</td>
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<td>HISTORY311S</td>
<td>311S</td>
<td>Men, Women, and Sports: Topics in US Sports History</td>
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<tr>
<td>HISTORY312</td>
<td>312</td>
<td>Europe’s Colonial Encounter, 1492-1992: Political Economy and International Thought</td>
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<td>HISTORY313</td>
<td>313</td>
<td>Crime and the City from Dickens to The Wire</td>
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<td>HISTORY314S</td>
<td>314S</td>
<td>US Latin@ Histories</td>
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<tr>
<td>HISTORY316S</td>
<td>316S</td>
<td>The Atlantic Slave Trade</td>
</tr>
</tbody>
</table>

**HISTORY309S - The History of Modern Macroeconomics from Keynes to the Present**

**Description**

Examination of key developments in macroeconomics from the 1930s through the present. Case studies of the evolution of macroeconomics in political and social context. Topics include the theory of unemployment in the Great Depression; growth theory and the rise of business cycle modeling in the aftermath of World War II; the trade-off between inflation and unemployment in the 1950s and 1960s; the debate over monetarism in the age of stagflation; and the rise of the New Classical Macroeconomics in its aftermath. Prerequisite: Economics 210D.

**HISTORY311S - Men, Women, and Sports: Topics in US Sports History**

**Description**

Examines the way sports have been tied to and expressed ideals of manhood and womanhood, race, class, and nation. Topics will vary but include boxing, Title IX, football, Olympics, baseball, etc.

**HISTORY312 - Europe's Colonial Encounter, 1492-1992: Political Economy and International Thought**

**Description**

The impact of colonial expansion on European economic development, political culture, international thought, and popular identity from the 'age of discovery' through the present. Particular attention to the ethical implications of colonialism's influence on Western 'civilization.'

**HISTORY313 - Crime and the City from Dickens to The Wire**

**Description**

Compares representation of crime and the city in two key 'texts': Charles Dickens's 'Oliver Twist' and the HBO television series, 'The Wire.' Juxtaposes the social and political contexts to which each text refers, paying particular attention to the nature and causes of criminal activity therein. Explanations emphasizing individual or personal responsibility will be contrasted to those that take structural factors into account, including urban housing, public health, child labor, public education, poverty and its relief, urban governance, as well as the criminal justice system.

**HISTORY314S - US Latin@ Histories**

**Description**

Content will vary, reflecting the diverse origins and experience of Latin@s in the US. Topics include geopolitics, media depictions, self-depictions, government policies, population flows, community formation and markets.

**HISTORY316S - The Atlantic Slave Trade**

**Description**

The development of the slave trade from the fifteenth century to its abolition in the nineteenth century; organization and mechanics, impact on Europe, Africa, and the Americas.
HISTORY318 - The Caribbean, 1492-1700

Subject: HISTORY
Catalog Number: 318
Title: The Caribbean, 1492-1700

Description:
The Caribbean region from the arrival of Columbus (1492) to the emergence of sugar and slavery as powerful shapers of society and culture, by 1700.

HISTORY319 - War, Slavery, and Revolution in the Caribbean, 1700-1800

Subject: HISTORY
Catalog Number: 319
Title: War, Slavery, and Revolution in the Caribbean, 1700-1800

Description:
The development of Caribbean society and economy in the contexts of slavery, empire, international rivalry, and democratic revolution.

HISTORY321 - The Modern Caribbean after Emancipation

Subject: HISTORY
Catalog Number: 321
Title: The Modern Caribbean after Emancipation

Description:
Focus on the Caribbean region as it transitioned from a collection of slave and colonial societies into a region of postcolonial and independent nations. Topics may include: postemancipation political and cultural struggles, pan-Africanism and Rastafarianism, nationalist and anticolonial movements, American economic and political influence in the region, Caribbean emigration to Europe and the United States, and the global spread of Caribbean culture.

HISTORY322 - Statecraft and Strategy

Subject: HISTORY
Catalog Number: 322
Title: Statecraft and Strategy

Description:
Introduces students to the history of how leaders have seen the world and tried to shape it in war and peace. Begins with examination of foundational texts in the history of strategy from around the world. Lectures focus on case studies in diplomatic and military history from the ancient to the contemporary world and spanning the globe. Explores how changes in technology and society (and social mores) have impacted statecraft. Introduces students to the concept of strategy and its applications in statecraft and other fields such as activism, business, and politics. Assignments focus on applying the lessons of history to challenges facing the United States and other countries today.

HISTORY323 - Methods in Inequality Studies

Subject: HISTORY
Catalog Number: 323
Title: Methods in Inequality Studies

Description:
The course examines social science research methods as they pertain to inequalities of race, gender, ability, and class. Students will learn to approach interdisciplinary social science research from the perspective of inequality studies and to deploy quantitative, archival, and qualitative methods with appropriate consideration of social inequality. Work will include consideration of diverse research paradigms, ethical dilemmas in the field, and theories and methods to undertake systematic modes of inquiry. It is a required course for the minor in Inequality Studies.

HISTORY324 - Mexico Since Before Cortes

Subject: HISTORY
Catalog Number: 324
Title: Mexico Since Before Cortes

Description:
Survey of Mexican history since before the encounter between European and native peoples, the experience of conquest, independence rebellions, liberal reforms, revolution, and modernization.
### HISTORY325 - Denial, Faith, Reason: Sustainability and Survival

**Subject** | HISTORY  
---|---
**Catalog Number** | 325  
**Title** | Denial, Faith, Reason: Sustainability and Survival  
**Description**  
This course investigates both theory and history of the concept of sustainability, and explores its various economic and political manifestations over time. What are the historical roots of the sustainability debate? What aspects of life do various concepts of sustainability entail, and how do they inform modern ethics? What, in the end, does the history of political economics teach us about the possibility of sustainable development?

### HISTORY326 - Colonial Latin America

**Subject** | HISTORY  
---|---
**Catalog Number** | 326  
**Title** | Colonial Latin America  
**Description**  
The pre-Columbian cultures, European conquest and its effects on the Amerindian peoples, and development of the Spanish and Portuguese Empires to the wars of independence with special emphasis upon colonial institutions and socioeconomic developments. Not open to students who have taken History 174.

### HISTORY327 - Afro-Brazilian Culture and History

**Subject** | HISTORY  
---|---
**Catalog Number** | 327  
**Title** | Afro-Brazilian Culture and History  
**Description**  
Slavery and the post-emancipation trajectory of Afro-Brazilians in a racist society that officially proclaims itself a ‘racial democracy.’ Comparisons drawn with the Afro-American experience elsewhere in Latin America and the United States.

### HISTORY328 - Global Brazil

**Subject** | HISTORY  
---|---
**Catalog Number** | 328  
**Title** | Global Brazil  
**Description**  
Analysis of Brazilian history and culture from 1500 to the present in transnational context, with an emphasis on themes like slavery and race, regional cleavages, authoritarian rule, social inequality, and innovative attempts to expand democracy. Facilitates broad-based knowledge of a country of increasing global economic and diplomatic clout. Close examination of primary sources, including texts, images, music, and film.

### HISTORY329 - Latin America Since Independence

**Subject** | HISTORY  
---|---
**Catalog Number** | 329  
**Title** | Latin America Since Independence  
**Description**  
A survey of nineteenth- and twentieth-century economic, social, and cultural change.

### HISTORY331S - Illiberal Nondemocracies: Focus on Eastern Europe and Asia

**Subject** | HISTORY  
---|---
**Catalog Number** | 331S  
**Title** | Illiberal Nondemocracies: Focus on Eastern Europe and Asia  
**Description**  
As of 2016, only 11% of the countries in the world are liberal democracies. Some insight about how illiberal regimes function is a must to understand what is going on in the world. In this course, we explore illiberal and/or nondemocratic regimes of Eastern Europe and Asia—a perfect laboratory for the subject. We develop nuanced ideas about key concepts such as elections, representation, party rule, dictatorship, populism, patronalism, authoritarianism, and totalitarianism as well as the dilemmas of freedom, security, corruption, and development. We study the regimes of countries such as Hungary, Russia, Turkey, China and follow the news to see how political regimes evolve in real time.
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<tr>
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<tbody>
<tr>
<td>HISTORY332S</td>
<td>332S</td>
<td>Theorizing Liberation: From Black Power to the Age of Trump</td>
</tr>
</tbody>
</table>

**Description**

This reading-intensive undergraduate seminar examines how writers and scholars understood the roots of racial inequality and imagined political projects to dismantle racial oppression in the decades after the passage of the 1965 Voting Rights Act. We survey a number of landmark texts across a range of fields and genres that proposed different analytical frameworks for understanding racial oppression and liberation, and attempt to situate the texts in their historical context.

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<tbody>
<tr>
<td>HISTORY333S</td>
<td>333S</td>
<td>Social Engineering and Social Movements in Eastern Europe and Asia</td>
</tr>
</tbody>
</table>

**Description**

Combining perspectives of political sociology and history, this course questions the respective roles of state policies and social movements in transforming societies. Explores concepts such as social engineering, violence, revolution, totalitarianism, social movements, non-violent resistance, collective action and many others in historically-informed case studies of: colonialism/anticolonial movements (passive resistance and nationalism) in India; revolutionary communism, socialist reconstruction of society, everyday resistance and collective dissent in the Soviet Bloc; authoritarian capitalism and dissent in the form of environmentalist and anti-corruption movements in post-Maoist China.

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<tbody>
<tr>
<td>HISTORY334A</td>
<td>334A</td>
<td>Frontier City Berlin: Facing History's Great Challenges</td>
</tr>
</tbody>
</table>

**Description**

This course deals with some of the great challenges and conflicts of the 20th and 21st century, such as capitalism vs. communism; authoritarian vs. democratic governance, and focuses on Berlin as a city at the forefront of historic struggles. In particular, it treats Berlin as the site of the first socialist revolution in a highly industrialized nation (1918/19); the rise of fascism amidst an advanced urban culture, the legacy of world war and totalitarian rule; the Cold War division of Berlin; the fall of communism and the crises of capitalism; and the search for an environmentally sustainable future. Offered in English in the Duke-in-Berlin summer program.

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<tr>
<td>HISTORY334S</td>
<td>334S</td>
<td>The University as a Culture: A Survivor's Guide</td>
</tr>
</tbody>
</table>

**Description**

The university generates some of the most influential forms of knowledge in the world, yet we seldom examine the historically specific cultural, social, political, and economic conditions under which knowledge is produced in the laboratories, classrooms, offices, dormitories, Greek-letter societies, and sports complexes that are the infrastructure of the academy. This course will employ readings from a range of disciplines, as well as the investigative and interpretive methods of cultural anthropology, to examine the taken-for-granted context of university life.
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</thead>
<tbody>
<tr>
<td>HISTORY336</td>
<td>North America to 1760</td>
<td>Early oceanic explorations, European invasion of North America, the evolution of race slavery, and the responses of the native American peoples.</td>
</tr>
<tr>
<td>HISTORY337S</td>
<td>Don Quixote for Beginners</td>
<td>This course introduces students to the overlapping realities and worlds that the novel encompasses to explore, through don Quixote’s knightly ambitions of justice, love, and freedom, the similarities, and differences we see between ourselves and others, in a changing world where chivalry ideals, popular culture, history, and uprooted lives, and early capitalism dialogue to each other. Multiple characters raise questions about escapism, social justice, borders, and exile linking the present and the past.</td>
</tr>
<tr>
<td>HISTORY340</td>
<td>The Civil War and Reconstruction: The United States, 1850-1880</td>
<td>The social, economic, and cultural aspects of the Civil War’s origins and outcomes as well as the resulting military, political, and legal conflicts. Focus on the contested and changing meanings of ‘freedom’ in all sections of the country.</td>
</tr>
<tr>
<td>HISTORY340T</td>
<td>Memory Bandits: Human Rights, Duke’s History and a Plan to Expand History-Telling</td>
<td>This is affiliated with a Bass Connections project that takes on the societal and cultural challenge of historical memory, human rights and memorialization. We intend to mine memory studies to ask how, why and where people use the past for contemporary meaning; how the Duke campus currently embodies and tell its story; and how this team can help chart a deeper engagement with history. Consent of instructor is required.</td>
</tr>
<tr>
<td>HISTORY341S</td>
<td>Africa before Colonialism</td>
<td>This undergraduate seminar considers the history of Africa south of the Sahara from the beginning of the Holocene era to 1800, focusing on processes of community formation and political and social change. Using a variety of sources and methods, it traces major debates and themes in the ‘deep’ African past across a number of regions and time periods. These themes include state formation, the dynamic reproduction of social structures through migration, the political meanings of health and healing, the development of ideas about gender, the relationship between Islam and Christianity and other cosmologies, and Africa’s interaction with the wider world.</td>
</tr>
<tr>
<td>HISTORY342</td>
<td>The Making of Modern America: The United States from 1898 to 1945</td>
<td>Transformations in society, politics, foreign relations, and arts and literature between Spanish-American War and World War II. Course pays particular attention to domestic politics in the Progressive Era; the Great Migration and the ‘New Negro: the Jazz Age and the ‘Modern Woman;’ the Great Depression; and the World Wars.</td>
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<tr>
<td>HISTORY343</td>
<td>History of Modern America: The United States from 1930 to present</td>
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<td>HISTORY344</td>
<td>History of U.S. Social Movements</td>
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<tr>
<td>HISTORY345</td>
<td>North American Environmental History</td>
<td>HISTORY</td>
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<tr>
<td>HISTORY346S</td>
<td>Politics of Sexuality</td>
<td>HISTORY</td>
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<tr>
<td>HISTORY347</td>
<td>African Americans Since the Civil War</td>
<td>HISTORY</td>
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<tr>
<td>HISTORY348</td>
<td>The Civil Rights Movement</td>
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**Description**

- HISTORY343: United States history since the Great Depression, with emphasis on the shaping influence of the New Deal and war. Examines transformations of everyday life and culture and the movements for social change they generated, including the labor, civil rights, and women's movements, and explores the nation's dominant role on the world stage and the impact of a global economy.

- HISTORY344: Examines the social movements that have shaped U.S. history, starting with the American Revolution itself and covering others including the anti-slavery movement, women's rights, Populism, Socialism, the Ku Klux Klan, the labor movement, the Black Freedom Movement and broader New Left, lesbian and gay liberation, and the recent conservative movement, focusing on the ethical issues arguments they raised, and how new civil, political, and social rights were created through social movement organizing. Lectures and readings explore why these movements arose, what they achieved, why many opposed them, and what we can learn about American history writ large from their experiences.

- HISTORY345: Historical roles of nature—as a cultural construct and a set of biological relationships—in shaping human choices in North America, from colonial times to the present. Special attention to historical origins of contemporary environmental politics, including the origins of wilderness; environmental justice movements; the changing politics of food, animal rights, and pollution; and tragedies of the commons, and the ethical challenges posed by global warming and population growth.

- HISTORY346S: Explores intersections among sexual identity, desire, and behavior and political institutions, public policy, and concepts of citizenship. Readings and methods will be interdisciplinary and will examine politics of sexuality in diverse sociocultural, international, and historical contexts. Topics may include: social movements; laws, policing, and incarceration; medicalization and eugenics; militarism and geopolitics; immigration and human rights; welfare policies; nationalism and citizenship; and reproductive rights.

- HISTORY347: Post-slavery black life and thought, as well as race relations and social change, during Reconstruction, Jim Crow, the Civil Rights and Black Power Movements, and contemporary times; ethical concepts and issues on human justice in the course of struggles for democracy, tolerance, and equality.

- HISTORY348: An interdisciplinary examination of the civil rights movement from World War II through the late 1960s.
HISTORY350S - The Connection between Human Rights, Memory and How Societies Create Memorials

Subject: HISTORY
Catalog Number: 350S
Title: The Connection between Human Rights, Memory and How Societies Create Memorials

Description: This seminar introduces students to multiple approaches to how to create memory, with a focus on building a proposal for Duke to expand the sites where stories are told. We are particularly interested in how to tell difficult stories of slavery, segregation and inequality through new sites and interpretive plans. Students will create a Duke memory map and develop a Story Bank. The class is in part funded by Bass Connections and is affiliated with the Story Lab.

HISTORY351S - Islam in the Americas

Subject: HISTORY
Catalog Number: 351S
Title: Islam in the Americas

Description: Explores how Muslim communities live and practice Islam in the American context. Examines diverse Muslim communities emerging from transatlantic exploration, trade in slaves, and migration as well as indigenous conversion. Discussion of religious and cultural identities of American Muslim peoples and consideration of questions of communal organization, religious authority, gender dynamics, youth culture, political and civic engagement, as well as American Muslim comedy and entertainment. Examination of impact of 9/11 upon American Muslims, their responses to the tragedy, and Americans' shifting perceptions of Islam and Muslims.

HISTORY352 - Immigrant Dreams, U.S. Realities: Immigration Policy History

Subject: HISTORY
Catalog Number: 352
Title: Immigrant Dreams, U.S. Realities: Immigration Policy History

Description: Immigrants and immigration policy in the United States from 1850 to the present, with focus on origins and power of immigrant exclusion during three waves of migration: Northern European and Asian migrations between 1850 and 1880, Eastern European, Latin American, and Asian migrations, 1880-1920, and Latin American, African, and Asian migrations, post 1965. Immigrant roles in shaping policy debates, citizenship rights, labor movements, and American culture, past and present.

HISTORY353 - Social Movements and Social Problems in Contemporary Spain

Subject: HISTORY
Catalog Number: 353
Title: Social Movements and Social Problems in Contemporary Spain

Description: Course offers a critical, comprehensive and panoramic approach to the study of fundamental social problems of contemporary Spanish society (inequalities, marginalization and exclusion, social risks, unemployment, housing, education, economic and political crisis, gender equality, etc.) that affect its various institutions (family, work, city, State, etc.). The approach will be twofold: on one hand, it will be carried out from a Sociology and Applied Anthropology theoretical perspective; on the other, it will familiarize students with the point of view of the citizens' movements with regular encounters with activists and leaders of these organizations.
HISTORY353A - Social Movements and Social Problems in Contemporary Spain

Description
Course offers a critical, comprehensive and panoramic approach to the study of fundamental social problems of contemporary Spanish society (inequalities, marginalization and exclusion, social risks, unemployment, housing, education, economic and political crisis, gender equality, etc.) that affects its various institutions (family, work, city, State, etc.). The approach will be twofold: on the one hand, it will be carried out from a Sociology and Applied Anthropology theoretical perspective; on the other, it will familiarize students with the point of view of the citizens' movements with regular encounters with activists and leaders of these organizations. Offered through Duke in Madrid program.

HISTORY354 - Native American Women in History, Society, and Art

Description
This course will explore the images and realities of Native American women in the history of North America from the pre-Columbian period through the present-day United States. We will concentrate on particular topics including: contrasting ideas of kinship, society, and gender egalitarianism; ways in which gender provided a language for the colonialism of European empires and the US nation-state; experiences of Native women as mediators of cultural exchange and as victims of cross-cultural conflict; and the role of gender in the creation of hierarchies of identity, race, and power.

HISTORY354S - Native American Women in History, Society, and Art

Description
This course will explore the images and realities of Native American women in the history of North America from the pre-Columbian period through the present-day United States. We will concentrate on particular topics including: contrasting ideas of kinship, society, and gender egalitarianism; ways in which gender provided a language for the colonialism of European empires and the US nation-state; experiences of Native women as mediators of cultural exchange and as victims of cross-cultural conflict; and the role of gender in the creation of hierarchies of identity, race, and power.

HISTORY355 - American Indian History to 1815

Description
Examines images and realities of North American Indian cultures and history from the pre-Columbian period through the period of European-Indian contact in the 16th, 17th, & 18th centuries, to the first imperial expansion of the new U.S. nation in the 1810s. Constructions of cultural identity; diplomacy and warfare between Indian nations and European invaders; trade, exchange networks, and Indian political economies; dynamics of cultural change, stability, and transformation as American Indians responded to and resisted Euro-American attempts at religious and cultural conversion, and political and economic conquest.

HISTORY357 - The Insurgent South: Movements for Social Change

Description
Social movements in the South from Reconstruction to the present. Includes Populism, Women's Suffrage, the Interracial Movement, labor, civil rights, post-1960s conservatism, environmental justice, and LGBTQ activism. Attention to public policy positions espoused by social movement organizations and activists.

HISTORY357S - The Insurgent South: Movements for Social Change

Description
Social movements in the South from Reconstruction to the present. Includes Populism, Women's Suffrage, the Interracial Movement, labor, civil rights, post-1960s conservatism, environmental justice, and LGBTQ activism. Attention to public policy positions espoused by social movement organizations and activists.
HISTORY358 - The South in Black and White

Subject: HISTORY  
Catalog Number: 358  
Title: The South in Black and White  

Description: Focus on present-day and historical documentary traditions in American South, with an emphasis on call and response between black and white cultures. The arts and humanities as embedded in particular histories and cultures found in the South, and as performed in music and theater; and portrayed in documentary films, civil rights photography, Southern literature, and historical and autobiographical writing. Includes historical texts, oral histories and testimonies of living persons, along with documentary films, photographs, and writings from people in Durham and elsewhere in the region.

HISTORY358S - The South in Black and White

Subject: HISTORY  
Catalog Number: 358S  
Title: The South in Black and White  

Description: Seminar with focus on present-day and historical documentary traditions in American South, with an emphasis on call and response between black and white cultures. The arts and humanities as embedded in particular histories and cultures found in the South, and as performed in music and theater; and portrayed in documentary films, civil rights photography, Southern literature, and historical and autobiographical writing. Includes historical texts, oral histories and testimonies of living persons, along with documentary films, photographs, and writings from people in Durham and elsewhere in the region.

HISTORY359 - Violent Jihad in the Twentieth Century - A Global History

Subject: HISTORY  
Catalog Number: 359  
Title: Violent Jihad in the Twentieth Century - A Global History  

Description: This course focuses on the history of Muslim groups and social movements which are often regarded as politically fundamentalists or radical in the twentieth-century Middle East. We shall critically survey the intellectual origins of radical ideologies, the social history of the 'Muslim Brotherhood' in Egypt and Syria, the politics of Saudi Arabia, the rise of Hizbullah, the question of the caliphate, the interaction between foreign intervention and the approval of violence as a legitimate means in politics, a history of al-Qaeda, and finally of what we know about ISIS.

HISTORY360S - Writing American Politics

Subject: HISTORY  
Catalog Number: 360S  
Title: Writing American Politics  

Description: Reading and writing intensive seminar focused on documentary works that document and discuss US politics and political movements. Engage and analyze historical and contemporary documentary media on the Populist movement, the long civil rights movement, the modern women's movement, Black Lives Matter, Moral Mondays, and other social movements, as well as US elections and significant figures in US politics. Emphasis on 20th century. Course materials include historical writings, journalism, memoir, fiction, music, and film. Guided research on a US political phenomenon resulting in a 20-page final paper.

HISTORY362 - United States Political History, 1900 to the Present

Subject: HISTORY  
Catalog Number: 362  
Title: United States Political History, 1900 to the Present  

Description: U.S. political history from 1900 to the present. Topics include the emergence, evolution, and decline of a 'liberal' coalition; the creation of a 'conservative' coalition; the development of a powerful federal state and its social and political results; the role of money in politics; the transformation of voting rights and voter participation; reform and radical movements and their relationship to party politics and the federal government.

HISTORY363 - History of Capitalism in the United States

Subject: HISTORY  
Catalog Number: 363  
Title: History of Capitalism in the United States  

Description: Surveys history of various forms of capitalism in the United States, with focus on changing labor systems and labor relations, banking and finance, business enterprise and strategies, agriculture, government economic policy (including regulatory policy), and intellectual history of capitalism and its reformers.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>HISTORY365</td>
<td>Inventing Sickness: The Science and Practice of Medicine in Ancient Greece</td>
<td>HISTORY</td>
<td>365</td>
<td>Inventing Sickness: The Science and Practice of Medicine in Ancient Greece</td>
<td>Exploration of conceptual developments that led to the emergence of medicine in ancient Greece as a science and an art and as a contentious subject of speculative discourse. We will situate these developments firmly within their corresponding cultural, intellectual, and social contexts. Concepts examined include: notions of disease; competing views of human anatomy and physiology; natural versus supernatural causation; the ethics of medical (non-)treatment and research; the rise of the doctor; dieticic, pharmacological, and surgical practices; the doctor-patient relationship.</td>
</tr>
<tr>
<td>HISTORY365D</td>
<td>The Modern Regulatory State</td>
<td>HISTORY</td>
<td>365D</td>
<td>The Modern Regulatory State</td>
<td>Interdisciplinary inquiry into the origins/evolution of modern regulatory institutions in Western Europe and North America, along with the more recent rise of global regulatory bodies. Examines conceptual frameworks from across the social sciences, and considers the ethical dimensions of current debates over regulatory purposes, strategies, and policies in areas such as finance and the environment.</td>
</tr>
<tr>
<td>HISTORY366S</td>
<td>Latinx Social Movements</td>
<td>HISTORY</td>
<td>366S</td>
<td>Latinx Social Movements</td>
<td>Over the course of the twentieth-century various Latino/a groups have mobilized their growing power to make demands for social justice and equality. This course will study the history of Latino/a organizing from the 1940s to the contemporary moment. Some of the groups we will examine include: the Chicano movement, the Young Lords Party, Chicana feminists, Third World Women’s Alliance, DREAMers, resistance to Arizona’s SB1070, and UndocuQueer. We will look at the history of political organizations, community formation, identity development, and movement ideology.</td>
</tr>
<tr>
<td>HISTORY367</td>
<td>The History of the Book</td>
<td>HISTORY</td>
<td>367</td>
<td>The History of the Book</td>
<td>The history of the 'book' as physical object from its earliest forms (clay tablets, papyrus scrolls) through to texts in the digital age. Introduction to manuscript and early print culture in the West – scribes, scripts and book production. The role of the book in different cultures, and in intellectual history. Hands-on experience with, and study of materials in the Rubenstein Rare Book and Manuscript Library.</td>
</tr>
</tbody>
</table>
HISTORY369 - History of Public Health in America

**Subject**  
HISTORY

**Catalog Number**  
369

**Title**  
History of Public Health in America

**Description**
The role of epidemic diseases such as smallpox, cholera, yellow fever, tuberculosis, and polio in shaping public health policy in the United States from the colonial era to World War II.

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HISTORY370 - Aztecs and Mayans

**Subject**  
HISTORY

**Catalog Number**  
370

**Title**  
Aztecs and Mayans

**Description**
Within modern imaginaries, Aztecs and Mayans become seen as those who engaged in brutal sacrifice and cannibalism atop their great temples. In order to question this pornographic assumption, this course examines the sources—art available at the Nasher Museum and many visual sources and written texts from the times of the Classic Maya civilization through today. We will collectively think about the ways in which these peoples have lived their lives and responded to the challenges of colonialism and globalization. Students should expect a hands-on course as they will examine everything from ancient pottery to weapons, paintings, photographs, films, and written documents.

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HISTORY371 - Feast and Famine: Food in Global History

**Subject**  
HISTORY

**Catalog Number**  
371

**Title**  
Feast and Famine: Food in Global History

**Description**
Surveys history of food in global history, beginning with paleolithic and ending with modern era. Focuses on food quality and quantity as a factor in determining health, including problems of global health disparities, food insecurity, and obesity. Topics include the impact of food exchanges across continents and cultures, discovery of vitamins and vitamin deficiencies, growth and impact of food industries, and the rise of diseases of plenty, such as type 2 diabetes.

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HISTORY372 - France and Africa: The Politics and Culture of (Post-)Coloniality

**Subject**  
HISTORY

**Catalog Number**  
372

**Title**  
France and Africa: The Politics and Culture of (Post-)Coloniality

**Description**
Examination of the Franco-African relationship over time, from the four 'communes' in Senegal to the present, through a political but also broader cultural lens. France's colonial doctrine and practices, African resistance and collaboration, 'la francophonie' and the postcolonial 'Francaphique' are analyzed as well as collective imaginaries on either side and how they shaped each other in literature, film, the social sciences or everyday life. The course is taught in English but a preceptorial class in French is offered in addition so that students can meet the requirement for their major or minor in French. Newcomers to Africa are welcome.
HISTORY373 - American Indian History Since 1806

**Subject**
HISTORY

**Catalog Number**
373

**Title**
American Indian History Since 1806

**Description**
Examines images and realities of North American Indian cultures and history from early 19th century through present day. Focus on American Indian responses to Anglo-American nation building and encroachment, radical decline of Indian populations over the 19th century and complex survival strategies initiated by American Indians in the face of decimation, Anglo-American attempts at religious and cultural conversion; and Indian response and resistance, and demographic and political revitalization of Indian peoples in the 20th century.

HISTORY374 - Women, Gender, and Sexuality in U.S. History

**Subject**
HISTORY

**Catalog Number**
374

**Title**
Women, Gender, and Sexuality in U.S. History

**Description**
Major questions relating to women and women's place in society over the course of U.S. history, broadly defined, from the colonial period to the present: How did different groups of women see themselves as women? How did views of women's sexuality change? How did men's and women's relationships and roles change? How did women understand their connections to the larger society? How did race, ethnicity, and class shape all those issues? Course uses a variety of materials, including novels, movies, images, and music to explore the ethical contours of women's lives in the past, following change over time to better understand women's position today.

HISTORY374D - Women, Gender, and Sexuality in U.S. History

**Subject**
HISTORY

**Catalog Number**
374D

**Title**
Women, Gender, and Sexuality in U.S. History

**Description**
Major questions relating to women and women's place in society over the course of U.S. history, broadly defined, from the colonial period to the present: How did different groups of women see themselves as women? How did views of women's sexuality change? How did men's and women's relationships and roles change? How did women understand their connections to the larger society? How did race, ethnicity, and class shape all those issues? Course uses a variety of materials, including novels, movies, images, and music to explore the ethical contours of women's lives in the past, following change over time to better understand women's position today.

HISTORY375 - The United States and the World, 1898 to the Present

**Subject**
HISTORY

**Catalog Number**
375

**Title**
The United States and the World, 1898 to the Present

**Description**
Course explores the evolution of US foreign relations, from the Spanish-American War in 1898 through the challenges facing the Biden Administration. Will consider US foreign relations in a broad sense. US' political, economic, and cultural relations with other states, organizations, and individuals will all be considered, as will the role that domestic politics play in the making and execution of US foreign policy.
**HISTORY378SA - Politics and Culture Between Europe and the Middle East**

**Subject**  
HISTORY

**Catalog Number**  
378SA

**Title**  
Politics and Culture Between Europe and the Middle East

**Description**  
Surveys the changing geopolitical context of communities between Europe and the Middle East through an interdisciplinary cultural framework from WWI to the present. Emphasis on German/Turkish relations. Analysis of representations of nationalism, identity, ethnicity, gender and religion. Examines intersections of modernity, revolution, and lived and political Islam to analyze the ways in which political ideologies create and question Middle Eastern identities. Secondary theoretical readings, including work by political scientists, cultural critics, and policy experts. Taught in English as part of the Duke Middle East in Europe program.

**HISTORY380S - Islamic Mysticism**

**Subject**  
HISTORY

**Catalog Number**  
380S

**Title**  
Islamic Mysticism

**Description**  
This course introduces the history and key concepts of Islamic spirituality through the lives, writings, institutions, and influence of Muslim sages, ascetics, and saints across Africa, Europe, Asia, and the Americas. Critical topics include Sufi origins, psychology, healing, music, poetry, politics, and the aspiration to beautify one’s self and society through connection with the Divine.

**HISTORY381S - Veterans Oral History Project**

**Subject**  
HISTORY

**Catalog Number**  
381S

**Title**  
Veterans Oral History Project

**Description**  
Explore methods of oral history, specifically focusing on interviewing U.S. military veterans who have served during times of conflict. Weekly readings concerning ethics of oral history work and the particulars of interviewing veterans. Learn techniques for conducting successful oral history interviews and master technical skills involving recording equipment. Conduct multiple interviews with veterans throughout semester. Discuss interviews and transcriptions with classmates. Assignments include written responses and a final presentation on conducted interviews. Includes a service-learning component involving work in the community.

**HISTORY382S - Digital Durham**

**Subject**  
HISTORY

**Catalog Number**  
382S

**Title**  
Digital Durham

**Description**  
Representing Durham past and present with digital media. Digitize historical and cultural materials, research in archives and public records and present information through various forms including web pages, databases, maps, video and other media. Analysis of social impact of new representations of place and space.
<table>
<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>HISTORY383 - Engineering the Global Middle East</td>
<td>HISTORY 383</td>
<td>Engineering the Global Middle East</td>
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<tr>
<td>Description</td>
<td></td>
<td>This class is a global techno-environmental history, with a special emphasis on the modern Middle East. We will interrogate the many ways in which the transformation of nature and transfer of technologies has rearranged political relations within and between states in the last two hundred years. We shall survey the social history of technology, of engineering, infrastructural developments, urbanization, and energy resources. Students in this course will learn how to do research through the lenses of environmental history and science and technology studies using the methods of microhistory.</td>
</tr>
</tbody>
</table>

| Description |               | This course begins its examination of the People’s Republic of China (PRC) and the Communist Party of China (CPC) through multifaceted analyses of the first Party Chairman, Mao Zedong. We will first allow ourselves to be seduced by the richly detailed accounts of this fascinating man. We will then take a step back to observe that, in order to understand Mao, we must understand the society and culture in which he lived. This movement from Mao to the masses gives shape to the fundamental question of this class: what is the relationship between the individual and the social collective? Students are encouraged, but not required, to take History 223 as prerequisite. |

| HISTORY385S - White People: In Anthropological Perspective | HISTORY 385S | White People: In Anthropological Perspective |
| Description |               | Against the cross-cultural backdrop of other systems of hereditary privilege and of the political and economic changes that threaten them, we will examine the history, the ideologies, and the psychology of white supremacy in the United States. It will be our task to understand both the insiders’ point of view and its social context, which includes the mid-20th-century civil rights reforms, affirmative action, neoliberalism, and the progressive erosion of white monopolies on honor, voting rights, due process, a living wage, and upward mobility in US society. |

| HISTORY386S - Apartheid South Africa and Struggles for Democracy | HISTORY 386S | Apartheid South Africa and Struggles for Democracy |
| Description |               | Working through an array of diverse organizations – including the African National Congress, the Pan African Congress, the Black Consciousness Movement, a host of liberal organizations, the churches, the trade union federations, and countless more - South Africans fought against apartheid from its inception. In 1994 they achieved a multi-racial democracy led by President Nelson Mandela. This seminar explores key themes in post-World War II South African history, paying special attention to the plethora of anti-apartheid struggles, while analyzing the tenets of apartheid policies. |

| HISTORY388S - The Scientific Revolution | HISTORY 388S | The Scientific Revolution |
| Description |               | Study emergence of modern physical sciences as leading means for understanding the natural world; read primary documents from Copernicus, Kepler, Galileo, Descartes, Boyle, Hooke and Newton; learn how past science shaped the modern world; learn how history of science enables understanding of 21st-century science. |

| HISTORY389S - Family Rights/Human Rights | HISTORY 389S | Family Rights/Human Rights |
| Description |               | Explores relationship between state, family formation, and individuals. Surveys regulation of sexuality, reproduction, adoption, immigration, and incarceration with focus mainly on U.S. and past 200 years. |
### HISTORY390 - Topics in History Lecture

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<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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<tbody>
<tr>
<td>HISTORY</td>
<td>390</td>
<td>Topics in History Lecture</td>
</tr>
</tbody>
</table>

**Description**
Individual courses in this series may be taught more than once or on a one-time basis only.

### HISTORY390A - Duke-Administered Study Abroad: Special Topics in History

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<tr>
<th>Subject</th>
<th>Catalog Number</th>
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<tbody>
<tr>
<td>HISTORY</td>
<td>390A</td>
<td>Duke-Administered Study Abroad: Special Topics in History</td>
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</table>

**Description**
Register for course by designated suffix indicating the specific country. Courses numbered 390A-01 thru 390A-14 are lecture courses taught in Duke-administered study-abroad programs, for example, in Germany, Italy, France, China. These courses provide the same credit and fulfill the same curriculum requirements as any 200-300 level lecture course in the history department.

### HISTORY390A-01 - Duke in Madrid: Special Topics in History

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<tr>
<th>Subject</th>
<th>Catalog Number</th>
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<tbody>
<tr>
<td>HISTORY</td>
<td>390A-01</td>
<td>Duke in Madrid: Special Topics in History</td>
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### HISTORY390A-02 - Duke in China: Special Topics in History

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<th>Subject</th>
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<tr>
<td>HISTORY</td>
<td>390A-02</td>
<td>Duke in China: Special Topics in History</td>
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### HISTORY390A-03 - Duke in France: Special Topics in History

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<th>Subject</th>
<th>Catalog Number</th>
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<tbody>
<tr>
<td>HISTORY</td>
<td>390A-03</td>
<td>Duke in France: Special Topics in History</td>
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### HISTORY390A-04 - Duke in Andes: Special Topics in History

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<tbody>
<tr>
<td>HISTORY</td>
<td>390A-04</td>
<td>Duke in Andes: Special Topics in History</td>
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### HISTORY390A-05 - Duke in Italy: Special Topics in History

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<tr>
<td>HISTORY</td>
<td>390A-05</td>
<td>Duke in Italy: Special Topics in History</td>
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### HISTORY390A-06 - Duke in Russia: Special Topics in History

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<tr>
<td>HISTORY</td>
<td>390A-06</td>
<td>Duke in Russia: Special Topics in History</td>
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### HISTORY390A-07 - Duke in Australia: Special Topics in History

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<tbody>
<tr>
<td>HISTORY</td>
<td>390A-07</td>
<td>Duke in Australia: Special Topics in History</td>
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### HISTORY390A-08 - Duke in Berlin: Special Topics in History

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<tr>
<td>HISTORY</td>
<td>390A-08</td>
<td>Duke in Berlin: Special Topics in History</td>
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<tr>
<td>Subject</td>
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<tr>
<td>HISTORY</td>
<td>390A-10</td>
<td>Duke in Istanbul: Special Topics in History</td>
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<td>HISTORY</td>
<td>390A-11</td>
<td>Duke in Vienna: Special Topics in History</td>
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<td>HISTORY</td>
<td>390A-12</td>
<td>Duke in Venice: Special Topics on History</td>
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<tr>
<td>HISTORY</td>
<td>390A-13</td>
<td>Duke in South Africa: Special Topics in History</td>
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<tr>
<td>HISTORY</td>
<td>390AS</td>
<td>Study Abroad: Seminar on Historical Topics</td>
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<tr>
<td>HISTORY</td>
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<tr>
<td>HISTORY</td>
<td>390S-1</td>
<td>Topics in Digital History and Humanities</td>
</tr>
<tr>
<td>HISTORY</td>
<td>390SA-09</td>
<td>Duke in Oxford: Special Topics on History</td>
</tr>
</tbody>
</table>

**Description**

Register for country by the section designated in the Official Schedule of Courses.

Digital History and Digital Humanities in theory and practice. Students plan, research and develop new technology projects which present archival material and historical interpretations to scholars and the general public through research papers, websites, and museum exhibits. The course meets weekly to discuss readings in American history, southern history, and digital history/humanities. Students explore archival material in the Rubinstein Library, learn how to use digital tools for humanities projects, develop principles of effective digital project management, create cross-disciplinary collaborations and learn about the ethics for creating research projects in the humanities.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
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<th>Title</th>
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<tr>
<td>HISTORY391</td>
<td>Independent Study</td>
<td>HISTORY</td>
<td>391</td>
<td>Independent Study</td>
</tr>
<tr>
<td>Description</td>
<td>Fall semester directed-readings independent study. Consent of instructor and director of undergraduate studies required.</td>
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<tr>
<td>HISTORY392</td>
<td>Independent Study</td>
<td>HISTORY</td>
<td>392</td>
<td>Independent Study</td>
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<tr>
<td>Description</td>
<td>Spring semester directed-readings independent study. Consent of instructor and director of undergraduate studies required.</td>
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<tr>
<td>HISTORY393</td>
<td>Research Independent Study</td>
<td>HISTORY</td>
<td>393</td>
<td>Research Independent Study</td>
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<tr>
<td>Description</td>
<td>Fall semester research independent study. Usually undertaken by students concurrently with the Honors Seminar, or with an instructor with whom they have had a course. Individual research in a field of special interest under the supervision of a faculty member, the central goal of which is a substantive paper or written report containing significant analysis and interpretation of a previously approved topic. Consent of instructor and director of undergraduate studies required.</td>
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<tr>
<td>HISTORY394</td>
<td>Research Independent Study</td>
<td>HISTORY</td>
<td>394</td>
<td>Research Independent Study</td>
</tr>
<tr>
<td>Description</td>
<td>Spring semester research independent study. See History 393. Consent of instructor and director of undergraduate studies required.</td>
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<tr>
<td>Description</td>
<td>This course uses a comparative framework to assess race in two societies founded on premises of racial inequality: South Africa and the United States. We will explore some of the social, cultural and political exchanges that have taken place between African Americans and Black South Africans over the course of the twentieth century. Additional topics include segregation, twentieth century struggles for civil rights/liberation, the American anti-apartheid movement, and the possibilities for restitution.</td>
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<tr>
<td>HISTORY397S</td>
<td>Istanbul: Religion, Politics and Cosmopolitanism</td>
<td>HISTORY</td>
<td>397S</td>
<td>Istanbul: Religion, Politics and Cosmopolitanism</td>
</tr>
<tr>
<td>Description</td>
<td>Istanbul is the only city in the world located on two continents. Byzantine, Ottoman, and Turkish cultural legacies allow the city to be read as a ‘palimpsest’, a multi-layered urban text of multiple, even contradictory meanings. Istanbul is an ideal site to explore imperial history, Islam and Christianity, migration, East/West relations, and cosmopolitanism. Through interdisciplinary sources in history, culture, theory, and politics, students will examine a variety of urban, architectural and social spaces including churches, mosques, public squares, and ethnic neighborhoods. Taught in English.</td>
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</tbody>
</table>
HISTORY399A - Duke Summer Program: Oxford

Subject: HISTORY
Catalog Number: 399A
Title: Duke Summer Program: Oxford

Description: Political System of Modern Britain. Open only to students in the Duke Summer Program: Oxford.

HISTORY405 - What Machiavelli Really Says

Subject: HISTORY
Catalog Number: 405
Title: What Machiavelli Really Says

Description: Everyone knows what 'Machiavellian' means, but what does Machiavelli really say? Reading his classical political texts, 'The Prince,' the 'Discourses on Livy,' and 'The Art of War' in the company of his literary works, including 'Mandragola,' we will examine how Machiavelli's ideas about power, deception, language, ethics, and representation emerged from his reading of Plato, Livy, Ovid, and Dante, while also exploring the reception and consequences of his ideas. Just as Machiavelli searched history for answers to his own political situation, our guiding question cannot help but be 'What would Machiavelli do?'

HISTORY406 - Visualizing Cities: Representing Urban Landscapes, Cultures, and Environments

Subject: HISTORY
Catalog Number: 406
Title: Visualizing Cities: Representing Urban Landscapes, Cultures, and Environments

Description: Visualizing cities in theory and practice. Exploring digital and visual representation of landscapes, structures, environments, history, culture, architecture, events, and populations. Change over time, cultural heritage, possible futures, and alternate pasts from historical, cultural, documentary, and scientific evidence and archives. The idea of the city as a conceptual category and metaphor. Ubiquitous computing in urban environments as a medium for interaction. Global cities and diaspora. Visual imagery and written accounts. Use of mapping, imaging, 3D, augmented reality, games. Individual and group research and production of visualizing cities projects. Topics and temporal foci vary.

HISTORY407 - Soviet and Post-Soviet Economic History

Subject: HISTORY
Catalog Number: 407
Title: Soviet and Post-Soviet Economic History

Description: This course traces economic factors leading to the downfall of the Russian Empire and the rise of the USSR, followed by an assessment of the collapse of the USSR. Particular attention is devoted to the NEP period, earlier Soviet economic models, the famine of the 1930s, the impact of WWII, industrialization and urbanization, Soviet planning, and declining productivity growth and life expectancy in the in the 1970s and 1980s. The course then explores the economic consequences of the USSR's collapse as well as the nature of recovery in various countries that followed. The course concludes with an overview of formal political economy models. Prerequisite: Economics 201D and (Economics 208D or 204D, either of which can be taken concurrently).
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<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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<tbody>
<tr>
<td>HISTORY407D</td>
<td>407D</td>
<td>Soviet and Post-Soviet Economic History</td>
</tr>
</tbody>
</table>

**Description**

This course traces economic factors leading to the downfall of the Russian Empire and the rise of the USSR, followed by an assessment of the collapse of the USSR. Particular attention is devoted to the NEP period, earlier Soviet economic models, the famine of the 1930s, the impact of WWII, industrialization and urbanization, Soviet planning, and declining productivity growth and life expectancy in the 1970s and 1980s. The course then explores the economic consequences of the USSR's collapse as well as the nature of recovery in various countries that followed. The course concludes with an overview of formal political economy models. Prerequisite: Economics 201D and (Economics 208D or 204D, either of which can be taken concurrently).

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<th>Title</th>
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<tbody>
<tr>
<td>HISTORY409D</td>
<td>409D</td>
<td>Black (In) Translation</td>
</tr>
</tbody>
</table>

**Description**

Examines the meanings of Blackness as it moves through the Atlantic world from 18th century to present. Readings explore theories of race and representation, and ways that translation conveys, shapes, and disrupts ideas about Blackness as cultural identity, lived experience, political claim. Course materials include works of literature, history, anthropology, and film. Taught in English, though, students enrolled under foreign language discussion sections will do reading, writing, research, and discussion in the language, requiring 2 years of foreign language study for language credit for the major or minor.

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<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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<tbody>
<tr>
<td>HISTORY410S</td>
<td>410S</td>
<td>History of Death</td>
</tr>
</tbody>
</table>

**Description**

Explores the history of aging and dying in the modern world, focused on the United States and the recent past. Integrates medical and humanistic approaches, giving students the chance to use philosophy, literature, and science together. Brings the history of medicine together with histories of race, gender, and religion. Aimed especially at pre-med students, but open to all.

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<thead>
<tr>
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<th>Title</th>
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</thead>
<tbody>
<tr>
<td>HISTORY411S</td>
<td>411S</td>
<td>Historicizing Whiteness</td>
</tr>
</tbody>
</table>

**Description**

Examines origins, historical development, and consequences of white racial identity, from the 17th century to the present, beginning with the emergence of white racial grammar among trafficked white servants and so-called 'white slaves' to the creation of racialized rights and privileges for white people in Great Britain and the United States in the 19th, 20th, and 21st centuries.

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<th>Title</th>
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</thead>
<tbody>
<tr>
<td>HISTORY413</td>
<td>413</td>
<td>Ancient Athenian Law</td>
</tr>
</tbody>
</table>

**Description**

Introduction to ancient Athenian law. Read and discuss court speeches from real trials held 2000+ years ago. Topics range from homicide to commerce and banking, citizenship to assault, slavery to inheritance, religion to sexuality, political amnesty to judicial torture. Explore, through in-class discussion, theory and practice of law, aspects of social, economic, political, and cultural history visible through law in action, relationship between Athenian law and Athenian democracy.

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<tr>
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<th>Title</th>
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<tbody>
<tr>
<td>HISTORY416S</td>
<td>416S</td>
<td>The Geopolitics of Islamophobia from Bosnia to Xinjiang</td>
</tr>
</tbody>
</table>

**Description**

Comparative study of geopolitical attitudes toward Muslim minorities in and majority Muslim nations of the greater Middle East beginning with the Ottomans and including Bosnia, Chechnya, Iran, Afghanistan and/or Xinjiang. These polities have histories of colonialism, contested Islamic and secular state traditions, and experiences of anti-Muslim racism, religious and ethnic conflict and political violence. Theoretical analysis of historiography, Islamophobia, gender, identity, and policy. Discussion of US, European, and regional geopolitical interests through cultural texts including literature and film. This course does not fulfill the History capstone requirement.
### HISTORY 420 - Biography, Life Writing, Autofiction
**Subject**: HISTORY  
**Catalog Number**: 420  
**Title**: Biography, Life Writing, Autofiction  

**Description**  
History and art of the life story, examining biography as it drives research and contemporary writing. From Montaigne to Rousseau, the biopic to the lives of troubadours, we will study modes, media and social functions: portrait, caricature, meditation, fragments, selfies. The subjects: famous or anonymous people; those who are not human, landscapes, the sea—even inanimate objects. The accounts of radical change or metamorphosis, personal epiphanies, self-conscious reflection. The aims of depicting lives as they unfold. Texts include Foucault, Augustine, Flora Tristan, Pascal, Ferraoun. Critical readings will be coupled with creative work culminating in a research project around your life.

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### HISTORY 425S - Atlantic Constellations: Migration, Exile, Second Slavery
**Subject**: HISTORY  
**Catalog Number**: 425S  
**Title**: Atlantic Constellations: Migration, Exile, Second Slavery  

**Description**  
This seminar explores the collective identities of Afro-descendant slaves in the Americas as well as migrant and exiled Spaniards away from the homeland. We will consider three main themes: 1) chattel or second slavery in Cuba, and, secondarily, in the U.S. and/or Brazil; 2) Ibero-Atlantic diasporas since the mid-nineteenth century, including so-called white slavery; and 3) the career of María Zambrano, an expatriate intellectual who turned her banishment from Spain in 1939 into the enabling condition of her radical revision of Western philosophy and the ethics of exile. Prerequisite: 300-level or above Spanish course that meets foreign language (FL) requirement.

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### HISTORY 431S - History of Acting
**Subject**: HISTORY  
**Catalog Number**: 431S  
**Title**: History of Acting  

**Description**  
This course surveys major acting traditions from around the world. Readings provide historical and theoretical perspectives on acting, and assignments require students to engage with the topic as researchers. Students will learn about various philosophical and artistic understandings of embodiment and about the political and societal roles actors have played throughout history. Students will work on research projects and will be required to write a research paper. (Does not fulfill the capstone requirement for History).

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### HISTORY 445S - Modern German-Jewish Culture: Vienna, Prague, Berlin
**Subject**: HISTORY  
**Catalog Number**: 445S  
**Title**: Modern German-Jewish Culture: Vienna, Prague, Berlin  

**Description**  
Explores the outsized intellectual and cultural output of Jews in pre-WWII Europe. The birth of psychoanalysis and the fallout of Jewish assimilation in Vienna. The legendary Golem figure and the writings of Franz Kafka and his circle in Prague. Avant-garde Jewish artists, writers, and filmmakers in Weimar Berlin. Each unit examines specific historical contexts and broader artistic movements. Topics include secularization and conversion; hybrid identities; emigration to Palestine and the U.S.; antisemitism and rising fascism; and ‘authentic’ Jewishness in Eastern Europe. Taught entirely in German. Recommended prerequisite: a 300-level German course or equivalent.
### HISTORY446S - Law and Power in Africa and the African Diaspora

**Subject**  
HISTORY

**Catalog Number**  
446S

**Title**  
Law and Power in Africa and the African Diaspora

**Description**  
This course examines the history of law and politics in Africa and the African diaspora over the last two centuries. What role did law play in the colonization of Africa? In its liberation? How did law buttress or challenge ideas about race? How did people of African descent in the western hemisphere use law, and how did they find it used against them? What counts as a ‘legal’ institution, and who decides? Law can be a shield or a weapon, sometimes both at once. What it does depends on who is using it, and for what purpose. Readings will include history and legal philosophy. Students will use primary sources extensively, including court records.

### HISTORY447S - South Africa and the World

**Subject**  
HISTORY

**Catalog Number**  
447S

**Title**  
South Africa and the World

**Description**  
Throughout the 20th century, South Africa had the largest economy and military on the African continent. Its strategic geographic position and mineral wealth in gold and uranium made it an important ally for the largest economies in the world. The Cold War enhanced its significance. However, in the second half of the twentieth century, its policies of apartheid rendered it an international pariah. This course examines the ways in which countries, international institutions, and millions of ‘ordinary’ people shaped the course of South African history. How did South Africa interact with the broader world, and how did the world try to affect South Africa’s policies of white supremacy?

### HISTORY448S - Archiving and Visualizing Asia: Politics and Poetics of Knowledge Production

**Subject**  
HISTORY

**Catalog Number**  
448S

**Title**  
Archiving and Visualizing Asia: Politics and Poetics of Knowledge Production

**Description**  
Engages students in the practices and theories of archiving, documenting and curating marginal histories. Hands-on research in the archives of Duke’s Rubenstein Special Collections and elsewhere. Examines histories of movements and encounters between the ‘West’ and ‘Asia.’ Teaches original archival research and documentary methods through guided excavations in digital, audiovisual, and material resources. Directed readings and special guest lectures guide students on how to think critically on the theories and praxis of knowledge production, collection, documentation, circulation, and consumption. Students curate projects for final research assignment.

### HISTORY449S - The History of Modern Syria, 1921-2021

**Subject**  
HISTORY

**Catalog Number**  
449S

**Title**  
The History of Modern Syria, 1921-2021

**Description**  
This seminar focuses on the history of State of Syria in the last hundred years. We survey the economic, legal, political, environmental, and cultural history of this region from the late Ottoman Empire to 2021.
**HISTORY450S - South African Life Histories**

**Subject**: HISTORY  
**Catalog Number**: 450S  
**Title**: South African Life Histories  

**Description**
South Africa presented the world with one of the great moral challenges of the 20th century. We will explore its history through the lens of biography and autobiography. The country underwent major transformations – rapid industrialization, segregation, the rise and fall of apartheid, and the emergence of democracy. How did individuals experience these social changes? In what ways do individual lives illuminate these larger social processes? Protagonists include a prophetess, political artists and writers, exiles, and celebrated figures. Topics cover how segregation and apartheid affected people’s daily lives, opposition to white supremacy, and the personal impact of the AIDS’s epidemic.

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**HISTORY452S - World War I and the History of Art & Architecture: Germany and Beyond**

**Subject**: HISTORY  
**Catalog Number**: 452S  
**Title**: World War I and the History of Art & Architecture: Germany and Beyond  

**Description**
Grounds the student in a thorough history of World War I and its impact on the arts in Germany, from the outbreak of war in 1914 through the 1918 Revolution and up to the 10th anniversary of war (1924). Compares this history with select examples from France, the Soviet Union, Italy, and elsewhere.

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**HISTORY454S - Capstone Seminar - Globalization: Asia and Asian America**

**Subject**: HISTORY  
**Catalog Number**: 454S  
**Title**: Capstone Seminar - Globalization: Asia and Asian America  

**Description**
‘Globalization’: a shorthand for describing the period of extraordinary change that we are living through, our lives, and our worlds as defined by global connections, from the internet technologies and rapid mass communication to issues of mobilization for social justice. This course focuses on two main themes: global moments of common struggle against racism in Asian, Asian American, and African American contexts, and global manufacture and the ways in which the microprocessor chip technology has come to bind Asia, Africa, and America, with a special focus on women and Asian Americans in the IT sector.

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**HISTORY457S - Capstone Seminar: Maroon Societies in America**

**Subject**: HISTORY  
**Catalog Number**: 457S  
**Title**: Capstone Seminar: Maroon Societies in America  

**Description**
Origins and development of fugitive slave communities throughout the Americas from the sixteenth to the nineteenth century. Major focus is on their role in the operation of slave society.
### HISTORY464S - Capstone Seminar: Geopolitics of War and Empire in the Modern World

**Subject**: HISTORY  
**Catalog Number**: 464S  
**Title**: Capstone Seminar: Geopolitics of War and Empire in the Modern World

**Description**  
This course examines the pursuit of military force, war, and empire and the making of global politics in the past two centuries. Our explorations range from the wars of nation, industry, and empire in the mid-nineteenth century to the world wars of the twentieth century and their legacy. We will pay special attention to the strategies of global ordering that were pursued by the political, military, and corporate elites of the major powers in an age of empire and globalization.

### HISTORY467S - Capstone Seminar: Russia-USSR-Russia: History of Communism

**Subject**: HISTORY  
**Catalog Number**: 467S  
**Title**: Capstone Seminar: Russia-USSR-Russia: History of Communism

**Description**  
The seminar offers an in-depth engagement with Russian modern history. Starting in the late 19th century, the seminar examines the formation of Russian Communist movement and communist regime as national and transnational phenomena of the 20th Century. A comparative perceptive allows students to analyze Russian appropriations of Marxist theory, the Russian Revolution, the making of the Stalinist state, de-Stalinization of the post-World War II period in the context of European and US labor movements and socialist experimentations, on the one hand, and anti-Communist sentiments and Cold War politics, on the other, while engaging with ethical issues raised by conflicting perspectives on the value and meaning of freedom and happiness and the means of achieving it.

### HISTORY468S - Capstone Seminar: Literature & Terrorism

**Subject**: HISTORY  
**Catalog Number**: 468S  
**Title**: Capstone Seminar: Literature & Terrorism

**Description**  
Explores the manner in which terrorism has been depicted in literature. Emphasis on novels written primarily by Russian writers in the 19th and early 20th centuries when that country experienced waves of political violence unmatched elsewhere in the Western world and writers sought to grapple with the meaning of the violence in vivid and imaginative ways. Readings include: ‘The Secret Agent’ by Joseph Conrad, ‘The Devils’ by Fedor Dostoevsky, ‘Mother’ by Maxim Gorky, and ‘Petersburg’ by Andrei Belyi.

### HISTORY469S - Capstone Seminar: Islamic Law In History

**Subject**: HISTORY  
**Catalog Number**: 469S  
**Title**: Capstone Seminar: Islamic Law In History

**Description**  
This seminar focuses on Islamic law and Muslim jurists in social and economic history, with a special attention on the last two hundred years. In a historical anthropology of law, we read primary sources in English translation and secondary literature about the norms and practices of law in Muslim and non-Muslim polities. We look at law as a domain of social interaction, an instrument of government, and part of statecraft in Muslim polities. The main goals of the class are 1) to help students in understanding Islamic legal terms and the difference between norm and practice 2) to help students using the distinction between primary and secondary sources in an original research paper.
HISTORY 470S - Capstone Seminar: Leadership in American History

Subject: HISTORY
Catalog Number: 470S
Title: Capstone Seminar: Leadership in American History

Description:
Focuses on political, social, business and artistic leaders in American history and problems that have called for leadership. Instructor consent required.

HISTORY 471S - Capstone Seminar: Latin American Left Turns: A New Politics for the 21st Century?

Subject: HISTORY
Catalog Number: 471S
Title: Capstone Seminar: Latin American Left Turns: A New Politics for the 21st Century?

Description:
Examination of issues surrounding the upsurge of leftist governments elected by the popular vote in the wake of the perceived failures of neoliberalism and the Washington consensus of 1989. Looks at ways Washington has had to come to terms with an unexpected revival on the left that threatens U.S. hegemony while offering an alternative path to achieve national development, distribution of wealth, and recognition of diversity and pluralism. Students will examine these issues from multiple viewpoints and develop projects based on choosing specific research foci within the general enterprise of what these governments share in common and how they differ.

HISTORY 472S - Capstone Seminar: Russia in World War II

Subject: HISTORY
Catalog Number: 472S
Title: Capstone Seminar: Russia in World War II

Description:
Nowhere else was World War II as bloody and destructive as it was in Eastern Europe, and of all nations it was the Soviet Union that paid the highest price for victory. The scale of death and destruction is hard to comprehend even today. How Soviet society, its economy and military prepared for the upcoming war, mobilized and persevered during the conflict, and ended up storming Berlin in 1945 is explored in this course. Questions of socialist economy at war, technological innovation, and gender dimensions of modern war and warfare form core topics of the course.

HISTORY 473 - Two Koreas: History, Society and Culture

Subject: HISTORY
Catalog Number: 473
Title: Two Koreas: History, Society and Culture

Description:
Introduces the divided histories of North and South Korea and their contemporary legacies in regional and global contexts. Explores topics such as colonization, modernization, division, war, migration, gender and sexuality, human rights, popular and political cultures, and globalization in comparative perspectives. Examines historical narratives, journalism, museums, literature, and visual cultures.
<table>
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<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>HISTORY476S</td>
<td>Capstone Seminar: American Militarism</td>
<td>HISTORY</td>
<td>476S</td>
<td>Capstone Seminar: American Militarism</td>
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<tr>
<td>Description</td>
<td>Explores the debate over U.S. militarism in past and present. Fears of an American militarism have haunted public debate and policy-making, shaping the nation's pursuits of war, military force, and global empire. Focusing on moments of intense debate, we will pay close attention to how the term militarism functioned as an indispensable part of the U.S. political lexicon since the 1890s.</td>
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| Description | Central outcomes of the Civil Rights Movement, 1968 to the present; critical reading and discussion, research and writing on racial and social equality and inequality in major areas of American life, notably electoral politics; education; religion and ethics; and public culture. |

| HISTORY483S | Capstone Seminar: History of Torture            | HISTORY  | 483S           | Capstone Seminar: History of Torture                |
| Description | This class offers a history of torture in the western world, from the Renaissance to the present. Students explore the topic primarily within the framework of legal history, from the institution of legal judicial torture in the late Middle Ages, through its formal abolition in the eighteenth and nineteenth centuries, down to its reemergence as an instrument of combat in wars in the twentieth and twenty-first centuries. |

| HISTORY488S | Capstone: Research in Human Rights               | HISTORY  | 488S           | Capstone: Research in Human Rights                  |
| Description | A primary learning objective is to have students connect the intellectual themes and scholarly knowledge they have developed in the Gateway, Introduction to Human Rights, and the electives they have taken toward the Human Rights Certificate. The course integrates co-curricular rights-related experiences (through DukeEngage, DukeImmerse, internships and volunteer placements). The capstone culminates in a final project. Students may work in teams toward a final project so long as each student's work is evaluated separately and at a high standard. Prerequisite: Cultural Anthropology 104D. Consent of director of undergraduate studies required. |

| HISTORY490 - Special Topics in History | HISTORY  | 490           | Special Topics in History                           |
| Description | Topics vary each semester.                     |

<p>| HISTORY490S - Seminars in Special Topics | HISTORY  | 490S           | Seminars in Special Topics                         |
| Description | Topics may vary.                              |</p>
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<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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<tbody>
<tr>
<td>HISTORY</td>
<td>495S</td>
<td>Senior Thesis Seminar</td>
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</table>

**Description**

Designed to introduce qualified students to advanced methods of historical research and writing, and to the appraisal of critical historical issues. Open only to seniors, but not restricted to candidates for graduation with distinction. This course, when taken by a history major, is accompanied by either a year-long 490S-196S seminar, two courses at the 200 level, or 393-394 independent study, supervised by an instructor.

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<tbody>
<tr>
<td>HISTORY</td>
<td>496S</td>
<td>Senior Thesis Seminar</td>
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**Description**

Continuation of History 495S.

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<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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<tbody>
<tr>
<td>HISTORY</td>
<td>89S</td>
<td>First-Year Seminar</td>
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</table>

**Description**

Topics vary each semester offered.

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<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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<tbody>
<tr>
<td>HLTHPOL</td>
<td>165</td>
<td>Introduction to the United States Health Care System</td>
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</tbody>
</table>

**Description**

Overview of key health policy issues in the United States. Topics include: (1) sources of morbidity and mortality; (2) access to health care; (3) financing of health care including an overview of how health insurance works, Medicare and Medicaid and why there are uninsured persons and to what effect; (4) health care quality; (5) end-of-life issues and care in advanced stage illness; (6) the role of non-profit versus for-profit ownership of health care facilities and to what effect; (7) long term care and care-giving issues; and (9) the impact of social phenomenon such as income inequality, social class and culture on health care.

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<th>Title</th>
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<tbody>
<tr>
<td>HLTHPOL</td>
<td>263S</td>
<td>Entrepreneurial Problem Solving in Global Health</td>
</tr>
</tbody>
</table>

**Description**

Global health, both international and local, has a long way to go to support healthy lives. In this class, students will have the opportunity to gain understanding of how the Entrepreneurial method can help to improve health. Students will learn about the victories and the challenges, and in the end, will be better able to be successful in their future endeavors. Students will be challenged, and will have to work, but in the end, they will be proud of their accomplishments and newfound knowledge.

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<tbody>
<tr>
<td>HLTHPOL</td>
<td>306</td>
<td>Health, Culture, and the Latino Community</td>
</tr>
</tbody>
</table>

**Description**

Exploration of health issues in the Spanish-speaking world shaped by social, cultural, political, ethnic, and economic determinants. Topics: cultural competency, community beliefs, medical practices and policies, preventive medicine, mental health. Projects include presentations, writing, research, and conversations with local and global contacts. Evaluation on knowledge of content, oral and written proficiency in Spanish. One 300-level Spanish course recommended prior to enrolling. Prerequisite: Spanish 204 or equivalent.
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<th>Title</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>HLTHPOL</td>
<td>306-1</td>
<td>Health, Culture, and the Latino Community: Service Learning</td>
<td>Exploration of health issues in the Spanish-speaking world shaped by social, cultural, political, ethnic, and economic determinants. Topics: cultural competency, community beliefs, medical practices and policies, preventive medicine, mental health. This is a service-learning or community-engaged course. Engagement may include direct, project-based, or research-focused service with local/global community partners among other engaged practices. Evaluation on knowledge of content, oral and written proficiency in Spanish. One 300-level Spanish course recommended prior to enrolling. Prerequisite: Spanish 204 or equivalent.</td>
</tr>
<tr>
<td>HLTHPOL</td>
<td>334</td>
<td>Health Economics</td>
<td>Economic aspects of the production, distribution, and organization of health care services, such as measuring output, structure of markets, demand for services, pricing of services, cost of care, financing, mechanisms, and their impact on the relevant markets. Prerequisite: Economics 201D or Public Policy 303D.</td>
</tr>
<tr>
<td>HLTHPOL</td>
<td>335</td>
<td>Economics of Global Health</td>
<td>Examines reciprocal relationships between income, poverty and health across countries with focus on identifying effect of health on development. Addresses structural problems in delivery and quality of healthcare that arise from cultural as well as economic causes. Attention given to challenges of healthcare financing, and tension between high-tech care and basic care in developing countries. Students examine empirical evidence from interventions affecting health including infant mortality reduction programs. Focus on issues of poverty alleviation and the promise of foreign aid. Prerequisites: (Economics 201 or Public Policy 303D) and (Economics 204D or 208D or Public Policy 604), or instructor consent.</td>
</tr>
<tr>
<td>HLTHPOL</td>
<td>341</td>
<td>Life and Death: Global Perspectives</td>
<td>Anthropological investigation of customs, practices, and beliefs that get activated when people (and other living beings) die. What constitutes life as in when does it start, what determines well-being, how is it measured; and what constitutes death as in a good versus bad death, by what medical definition, and according to what rituals and beliefs. Comparative inquiry into such questions as why brain-death is not accepted in some cultures and why people in some places prefer to die rather than live after an amputation. Topics will include organ transplants, gang warfare, cancer, and warzones from China and Botswana to Mexico and the United States.</td>
</tr>
<tr>
<td>HLTHPOL</td>
<td>391</td>
<td>Health Policy Independent Study</td>
<td>Supervised reading in a field of special interest on a previously approved topic, under the supervision of a faculty member, resulting in significant analysis and interpretation, or an academic and/or multimedia product.</td>
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<tr>
<td>HLTHPOL</td>
<td>392</td>
<td>Health Policy Independent Study</td>
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<tr>
<td>HLTHPOL395</td>
<td>395</td>
<td>Bass Connections Health Policy &amp; Innovation Research Team</td>
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<tr>
<td>Description</td>
<td></td>
<td>Bass Connections Year-long Project Team. Topics vary depending on</td>
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<td></td>
<td>semester and section. Teams of undergraduate and graduate students</td>
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<td>work with faculty to enter into research related to the COVID-19</td>
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<td>pandemic. Teams may also include postdoctoral fellows and experts</td>
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<td>from business, government and the non-profit sector. A team's work</td>
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<td>may run in parallel with or contribute to on-going research project.</td>
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<td>Teams will participate in seminars, data collection and analysis,</td>
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<td>field work and other learning experiences relevant to the project.</td>
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<td>Requires final paper or product containing significant analysis and</td>
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<td>interpretation. Instructor consent required.</td>
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</table>

| HLTHPOL395T   | 395T           | Health Policy & Innovation Research Team                             |
| Description   |                | Bass Connections Year-long Project Team. Topics vary depending on     |
|               |                | semester and section. Teams of undergraduate and graduate students    |
|               |                | work with faculty to address questions related to health policy and   |
|               |                | innovation. Teams may also include postdoctoral fellows and experts  |
|               |                | from business, government and the non-profit sector. A team's work   |
|               |                | may run in parallel with or contribute to on-going research project.  |
|               |                | Teams will participate in seminars, data collection and analysis,     |
|               |                | field work and other learning experiences relevant to the project.    |
|               |                | Requires final paper or product containing significant analysis and   |
|               |                | interpretation. Instructor consent required.                         |

| HLTHPOL396    | 396            | Bass Connections Health Policy & Innovation Research Team              |
| Description   |                | Bass Connections Year-long Project Team. Topics vary depending on     |
|               |                | semester and section. Teams of undergraduate and graduate students    |
|               |                | work with faculty to address questions related to health policy and   |
|               |                | innovation. Teams may also include postdoctoral fellows and experts  |
|               |                | from business, government and the non-profit sector. A team's work   |
|               |                | may run in parallel with or contribute to on-going research project.  |
|               |                | Teams will participate in seminars, data collection and analysis,     |
|               |                | field work and other learning experiences relevant to the project.    |
|               |                | Requires final paper or product containing significant analysis and   |
|               |                | interpretation. Instructor consent required.                         |

| HLTHPOL396T   | 396T           | Bass Connections Health Policy & Innovation Research Team              |
| Description   |                | Bass Connections Year-long Project Team. Topics vary depending on     |
|               |                | semester and section. Teams of undergraduate and graduate students    |
|               |                | work with faculty to address questions related to health policy and   |
|               |                | innovation. Teams may also include postdoctoral fellows and experts  |
|               |                | from business, government and the non-profit sector. A team's work   |
|               |                | may run in parallel with or contribute to on-going research project.  |
|               |                | Teams will participate in seminars, data collection and analysis,     |
|               |                | field work and other learning experiences relevant to the project.    |
|               |                | Requires final paper or product containing significant analysis and   |
|               |                | interpretation. Instructor consent required.                         |
### HLTHPOL424-1 - Medical Anthropology

<table>
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<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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<tbody>
<tr>
<td>HLTHPOL</td>
<td>424-1</td>
<td>Medical Anthropology</td>
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</tbody>
</table>

**Description**

Cross-cultural study of health and illness. Prerequisites: Completion of both Writing 101 and any First Year Seminar.

### HLTHPOL462 - Behavioral Economics

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<tr>
<th>Subject</th>
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<th>Title</th>
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<tbody>
<tr>
<td>HLTHPOL</td>
<td>462</td>
<td>Behavioral Economics</td>
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</tbody>
</table>

**Description**

Introduction to the insights gained from incorporating psychology into economic modeling. Based exclusively on original, often recent, scientific publications. Focus on empirical evidence, theoretical models and economic implications. Equilibrium analysis is essential analytical tool. Participants will each give a presentation of a scientific paper from the reading list. This course will build on mathematics covered in Mathematics 202/212/222. Prerequisite: Economics 205D.

### HLTHPOL480 - Capstone for Certificate in Health Policy

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<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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<tbody>
<tr>
<td>HLTHPOL</td>
<td>480</td>
<td>Capstone for Certificate in Health Policy</td>
</tr>
</tbody>
</table>

**Description**

Capstone course for Health Policy Certificate. Students will integrate certificate coursework and thematic experiences into a final paper or product containing significant analysis and interpretations of current health policy and innovation challenges. This course should be taken after the student completes the experiential learning component and required courses for the certificate. Course is only open to students who have completed the required Health Policy Certificate prerequisites; please contact the program/instructor to confirm eligibility and enroll.

### HOUSECS59 - House Course

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<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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<tbody>
<tr>
<td>HOUSECS</td>
<td>59</td>
<td>House Course</td>
</tr>
</tbody>
</table>

**Description**

Special topics course. Information about specific sections available in course synopsis. For more about House Courses, visit the following website: https://trinity.duke.edu/house-courses. Satisfactory/Unsatisfactory grading only.

### I&E110 - Design Your Duke Journey

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<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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<tbody>
<tr>
<td>I&amp;E</td>
<td>110</td>
<td>Design Your Duke Journey</td>
</tr>
</tbody>
</table>

**Description**

Design Your Duke Journey (+Career!) is an interactive course that applies a design-thinking framework and mindset to career exploration and development. Students will learn to get curious, try stuff out and talk to people through experiential activities in and out of the classroom, self-reflection, readings and discussion. The intended goal is that students will learn how design thinking can help them explore options and opportunities, and at the same time, wrestle with the ‘wicked’ problem of: How do I know if I’m on the right track, if I don’t know exactly what the destination is? This class is best suited for first-year or sophomore undergraduate students.

### I&E140 - Create, Innovate, Act: Creativity, Innovation, and Social Action

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<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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<tbody>
<tr>
<td>I&amp;E</td>
<td>140</td>
<td>Create, Innovate, Act: Creativity, Innovation, and Social Action</td>
</tr>
</tbody>
</table>

**Description**

Introductory course for first and second year undergraduates. This course bridges sciences, arts, and humanities, with focus on experiential knowledge and engagement with the everyday. Combines methods from broad range of areas based on creative inquiry and innovation. Students choose particular areas, or combination thereof, discussing their own research, inventions, artworks, compositions, performances, new media, or activist interventions. Specific skills developed at specialized maker spaces, labs, and studios. With exception of guest presentations, lectures delivered in video format to maximize class time production. Guest speakers include artists, activists, innovators, entrepreneurs, curators, and scholars.
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<tr>
<th>Subject</th>
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<th>Title</th>
<th>Description</th>
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<tbody>
<tr>
<td>I&amp;E</td>
<td>171</td>
<td>I&amp;E171 - Business Anthropology: Anthropologists in the Workplace</td>
<td>Introduces students to the various applications of anthropological theory and ethnographic method in contemporary institutional settings with the aim of familiarizing students with alternative career opportunities. The course looks at corporate and other private and public-sector use cases as well as the extensive literatures in the fields of organizational management, user, and consumer experience. Students also engage professionals in order to better understand processes of research, hypothesis testing, analysis, and the formulation of organizational management, design, and other strategic solutions for clients.</td>
</tr>
<tr>
<td>I&amp;E</td>
<td>172</td>
<td>I&amp;E172 - The Anthropology of Design and User Experience (UX) Research</td>
<td>The field of design and the burgeoning field of User Experience (UX) research has recently applied the methods anthropologists have used for over a century. The methods of cultural anthropology are distinctly aligned to ask questions about motivations, beliefs, values, and relationships within cultural systems through direct participant observation, surveys, focus groups, and archival research. Privileging critical listening, empathy, and perspective-taking, we try to discern why people do what they do, and apply these questions to human-centered design.</td>
</tr>
<tr>
<td>I&amp;E</td>
<td>190</td>
<td>I&amp;E190 - Special Topics in Innovation &amp; Entrepreneurship</td>
<td>Selected topics in innovation &amp; Entrepreneurship.</td>
</tr>
<tr>
<td>I&amp;E</td>
<td>190SA</td>
<td>I&amp;E190SA - Duke Administered Study Abroad: Special Topics in Innovation and Entrepreneurship</td>
<td>Topics differ by section.</td>
</tr>
<tr>
<td>I&amp;E</td>
<td>230S</td>
<td>I&amp;E230S - Arts Policy, Leadership, and Engagement</td>
<td>This community-engaged course provides an introduction to contemporary issues in US arts policy and cultural sector leadership across four broad themes: creative institutions; cultural equity and accessibility; creative placemaking/community development; and the creative economy. In addition to policy questions in these areas, we examine leadership practices in arts organizations and cultural institutions, with particular attention to the kinds of leadership the arts require in a post-2020 world. Students will work in teams on a semester-long collaborative project with an arts policy organization and experience the arts in practice through attendance at performances and exhibitions.</td>
</tr>
<tr>
<td>I&amp;E</td>
<td>243S</td>
<td>I&amp;E243S - The Art of Improvising</td>
<td>We will explore techniques for spontaneous behavior, immediate creation, and developing your creativity and truth on stage. The goal of the class exercises will be to build community and collaboration, to deepen your communication skills, and to strengthen your natural sense of humor. We will study the works of Viola Spolin, Keith Johnstone, and iO.</td>
</tr>
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</table>
# I&E250 - Building Global Audiences

**Subject**  
I&E  

**Catalog Number**  
250  

**Title**  
Building Global Audiences  

**Description**  
Marketing and publicity are so important to audience building that, 20 years ago, expanding beyond local audiences usually couldn’t be accomplished without huge advertising budgets. However, thanks to the Internet, you can build a global audience from your dorm room. This class explores how. Learn about social media, search engine optimization, virality, content marketing, growth hacking, and other digital audience building strategies. They're difficult to learn and time consuming to execute, so expect to struggle. We’ll learn as much from our failures as we will from our successes as we discover what it takes to cultivate global awareness for an idea without ever leaving Durham.

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# I&E252 - Learning to Fail

**Subject**  
I&E  

**Catalog Number**  
252  

**Title**  
Learning to Fail  

**Description**  
Most people spend their lives afraid of failing. Yet, many of the world's most successful people failed numerous times on their paths toward success. The underlying question of this class is if failing is as antithetical to learning as we’re taught to believe. To explore this question, we will test ways of using failure as a strategy for learning. We will experiment with failure to learn how it can make us better as we develop our skills as innovators, specifically focusing on the earliest stage of creativity: ideation. We will use failure through experimentation as a technique for problem definition and needs discovery which, in turn, will help us validate the quality of our ideas.

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# I&E253 - Social Marketing: From Literary Celebrities to Instagram Influencers

**Subject**  
I&E  

**Catalog Number**  
253  

**Title**  
Social Marketing: From Literary Celebrities to Instagram Influencers  

**Description**  
Typical Duke students spend hours each day using social media. You've surely heard the platforms described as 'revolutionary,' and you've also heard them described as 'time wasters.' What you probably haven't thought about is how similar they are to previous 'revolutionary' communications technologies like novels, newspapers, and even language itself. This course explores ways in which studying the masters of previous 'social' media technologies—the Shakespeares, Whitmans, and Eliots of the world—can help us understand how influencers on digital social media leverage the same platforms you use every day to market themselves, build their brands, and grow their audiences.

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# I&E259 - Arts, Film, Or Media Practicum

**Subject**  
I&E  

**Catalog Number**  
259  

**Title**  
Arts, Film, Or Media Practicum  

**Description**  
This course will accompany the semester-long internship and will assist students in developing interpersonal and workplace competencies, reflection tools, professional capabilities, and focused expertise. It will also provide students with skills and tools to prepare them for future work in the creative industries. They will attend one group meeting and three one-on-one, half-hour academic supervisor meetings (with assignments due at each meeting designed to move the final research project forward).
I&E259A - Arts, Film, or Media Practicum
Subject: I&E  
Catalog Number: 259A  
Title: Arts, Film, or Media Practicum
Description: Immersion in the for-profit and not-for-profit art and entertainment worlds through apprenticeship to a sponsoring artist, scholar, or institution selected to match each student’s area of interest. Each student required to submit a substantive paper containing significant analysis and interpretation that considers the relationship between the student’s sponsoring institution and the larger industrial/cultural complex within the local (Los Angeles) and national economies of art, culture, and commerce. Simultaneous enrollment in Literature 290AS-1 required. Open only to students admitted to the Duke in Los Angeles Program.

I&E261 - Social Innovation
Subject: I&E  
Catalog Number: 261  
Title: Social Innovation
Description: This course will provide an introduction to the field of social innovation. Through readings, classroom discussion, experiential learning, and individual and team assignments, the course will provide students with concepts and frameworks for understanding and practicing effective social innovation. The course develops a theory of innovation and describes examples of persons and organizations demonstrating innovative approaches. We will look at how to innovate effectively and the attributes and skills that cultivate such innovation. We will also explore the limitations of social innovation and consider critical arguments that the field must address.

I&E262 - Designing Transformative Learning
Subject: I&E  
Catalog Number: 262  
Title: Designing Transformative Learning
Description: The term ‘open source’ is frequently used to denote software source code that is freely available, modifiable, and shareable. However, the term has much wider applicability and relevance. The core values of open source—open knowledge and access to information, collaboration and community, transparency and meritocracy, inclusion and diversity, and iterative creation and adaptability—have profound implications for 21st century learning. In this learner-centered, project-based course, students will research the intersection of open source concepts, technology, and education innovation and share their knowledge across public-facing open-access media.

I&E263S - Entrepreneurial Problem Solving in Global Health
Subject: I&E  
Catalog Number: 263S  
Title: Entrepreneurial Problem Solving in Global Health
Description: Global health, both international and local, has a long way to go to support healthy lives. In this class, students will have the opportunity to gain understanding of how the Entrepreneurial method can help to improve health. Students will learn about the victories and the challenges, and in the end, will be better able to be successful in their future endeavors. Students will be challenged, and will have to work, but in the end, they will be proud of their accomplishments and newfound knowledge.
### I&E265S - Introduction to Digital Feminism

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<tr>
<td>I&amp;E</td>
<td>265S</td>
<td>Introduction to Digital Feminism</td>
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**Description**
The aim of this course is to critically analyze digital culture from a feminist and gender studies perspective. We will address topics related to digital innovation and its history, unpacking and questioning them through the insights offered by genders studies analytical tools. Subjects such as the rise of the Silicon Valley, gaming culture, social media, algorithms, Artificial Intelligence, extraction of data applied to biotechnology, macroeconomic development of IT platforms and the impact of technology on ecology will be discussed starting from a current event or debate, to which we will give a historical, ethical, sociological, theoretical, literary or cinematographic perspective.

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### I&E271 - Building and Sustaining a Successful Enterprise

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<tr>
<td>I&amp;E</td>
<td>271</td>
<td>Building and Sustaining a Successful Enterprise</td>
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**Description**
In this Duke in Silicon Valley course, students will develop an understanding of the resources, skills, and planning required to launch a new product or service. Through lectures, case studies, and visiting talks, the course addresses critical factors such as: ideation, competition and competitive advantage, financing requirements, corporate culture, product positioning, customer identification, and market segmentation. Director of undergraduate studies consent required.

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### I&E271A - Building and Sustaining a Successful Enterprise

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<td>I&amp;E</td>
<td>271A</td>
<td>Building and Sustaining a Successful Enterprise</td>
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**Description**
In this Duke in Silicon Valley course, students will develop an understanding of the resources, skills, and planning required to launch a new product or service. Through lectures, case studies, and visiting talks, the course addresses critical factors such as: ideation, competition and competitive advantage, financing requirements, corporate culture, product positioning, customer identification, and market segmentation. Director of undergraduate studies consent required.

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### I&E272S - Documentary and Policy: How Documentary Influences Policy

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<tr>
<td>I&amp;E</td>
<td>272S</td>
<td>Documentary and Policy: How Documentary Influences Policy</td>
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**Description**
Examines documentaries as catalysts for change in local, state, and federal laws and regulations, with special attention to relationships between film and organizations with political influence. Looks at how documentaries have altered public sentiment and political outcomes. Uses case studies of documentary films (essay-style, journalistic, information-driven films; narrative, story-driven films; propaganda; art films; and hybrids of all of the above). Explores the question of how a film achieves influence: for example, with a high-profile theatrical and/or television release, by utilization as an educational tool, or by ‘going viral’ to become part of a public conversation.
I&E275 - Innovation & Entrepreneurship at the Intersection of Media, Entertainment and Technology

Description
The class will jump into the middle of the change and innovation happening at the intersection of Media, Entertainment and Technology. We will look at how we make, distribute and consume Media and Entertainment. We will focus on entrepreneurs and innovative companies and creators revolutionizing Media and Entertainment, as well as thought leaders and leading companies in the space. The class will feature Cases, articles, speakers, in class discussion along with a term long project.

I&E281 - Basics of Technology Commercialization

Description
This course covers assessment, development, and translation for a range of technical areas, such as pharmaceuticals, computer science, energy, and medical devices. The course is organized around the basic elements of taking technology from conception to development and commercialization, including understanding technology, developing a plan to get to market, and assessing the potential market. Combines lecture, case assignments, and discussion of real technology development opportunities.

I&E290 - Special Topics

Description
Selected topics in innovation and entrepreneurship.

I&E290S - Special Topics Seminar

Description
Seminar version of I&E 290. Selected topics in innovation and entrepreneurship.

I&E295S - Arts Entrepreneurship

Description
Student teams work on specific arts-based entrepreneurial projects. Teams comprised of students from different backgrounds (arts, engineering, economics, computer science). Goals include creating business plan and launching ventures in areas of the arts. Structure an adaptation of Fuqua Program for Entrepreneurs. Ideal projects have real/positive impact on society. Students learn to situate artistic creativity within projects that meet societal need. Students from any background welcome to apply for enrollment. Must have interest in arts or working with artists in entrepreneurial context. Admission by permission of instructors.

I&E302 - Fieldwork Methods: Cultural Analysis and Interpretation

Description
Anthropology as a discipline (a field of study) and the site where anthropologists work: the field. Combines theories of anthropological fieldwork methods with practice, including participation, observation, and interviews. Students undertake original research in a local field site of their choice and produce their own mini-ethnography. This requirement may also be satisfied by taking Cultural Anthropology 290A Duke in Ghana Anthropological Field Research.
I&E310S - Non-Profit Cultural Institutions

Subject: I&E  
Catalog Number: 310S  
Title: Non-Profit Cultural Institutions  

description:
Non-profit cultural institutions are an integral part of arts communities at all levels: national, regional, local. Through readings, projects and service-learning, students gain overview of non-profit cultural organization formation, management, operational structures, governance challenges, board member responsibilities and situational ethics. Explores historical and present functions and social structures in which nonprofit tax-exempt organizations operate. Investigates how nonprofit cultural institutions have increasingly become a vehicle for fostering creativity in the arts and humanities. Students partner with local non-profit arts/cultural organizations to work on specific projects.

I&E315A - Language and Culture of Entrepreneurship in Latin America

Subject: I&E  
Catalog Number: 315A  
Title: Language and Culture of Entrepreneurship in Latin America  

description:
This Duke in Chile course focuses on learning culture through social and for-profit entrepreneurship in Latin America, with an aim at developing proficiency in Spanish through linguistic, social, and cultural immersion through interactions with the entrepreneurial community. Course builds on elements of the language acquired in Spanish 101 - 203, providing continued development of listening, speaking, reading and writing skills; improving range and sophistication of grammar usage and vocabulary. Students complete the equivalent of Spanish 204 and Spanish 303. Satisfies one course requirement for Spanish majors or minors. Prerequisite: Spanish 203 or equivalent. Instructor consent required.

I&E350 - Customer Empathy & Brand Experience Design

Subject: I&E  
Catalog Number: 350  
Title: Customer Empathy & Brand Experience Design  

description:
Before Dollar Shave Club, we went to Target to save on Gillette. We still buy traditional brands at traditional stores. But a host of these disruptors are cutting out the middleman while redefining brick-and-mortar retail. Amazon now gets us whatever we want, whenever and wherever we want it. Dollar Shave Club quickly amassed 3 million subscribers. These ‘direct-to-consumer’ brands control every customer interaction. These brands become as much about that experience as about the product itself. This requires customer empathy. Armed with these insights, we can create brands that reframe peoples’ category expectations and, in best cases, enhance their lives.

I&E352 - Strategies for Innovation and Entrepreneurship

Subject: I&E  
Catalog Number: 352  
Title: Strategies for Innovation and Entrepreneurship  

description:
Course covers component elements of developing skills needed to launch a venture. Starting at the point of need identification, course covers lean methodology; innovation and entrepreneurship strategy; creating needed financing and resource structures; effectively marketing/communicating innovation and its associated benefits; leading, managing, and working effectively within teams; creating a positive and ethical work culture; and evaluating success. Materials for class discussion are case studies and readings. Course is only open to Innovation & Entrepreneurship Certificate students.
I&E359A - Introduction to Global Los Angeles: An Interdisciplinary Survey (Service-Learning)

Subject: I&E  
Catalog Number: 359A  
Title: Introduction to Global Los Angeles: An Interdisciplinary Survey (Service-Learning)

Description
This course explores the complexities of global Los Angeles by focusing on issues that especially impact its marginalized communities. For the service-learning component, students volunteer at least 20 hours during the semester at nonprofit organizations engaged in the pursuit of social justice. This experience provides an opportunity to observe, participate in and reflect on the day-to-day implementation of social action, policy and organizing initiatives. As part of the volunteer commitment and in lieu of a final paper, students produce a documentary media project that communicates goals identified by and in collaboration with the community partner.

I&E375 - The Economics of Entrepreneurship

Subject: I&E  
Catalog Number: 375  
Title: The Economics of Entrepreneurship

Description
Application of microeconomic theory, such as game theory and industrial organization, to analyze business start-ups and their development. Focus on evaluation of the role of entrepreneurs in the macroeconomy, and the microeconomic performance of young businesses. The effects of government policies and economic fluctuations on entrepreneurs will be addressed, as well as an understanding of the organization and financial structure, development, and allocational decisions of growing entrepreneurial ventures. Prerequisite: Economics 201D.

I&E385 - New Ventures Discovery

Subject: I&E  
Catalog Number: 385  
Title: New Ventures Discovery

Description
This course is designed to lead you to a eureka moment by teaching you how to explore the world around you for problems worth solving. Instead of jumping directly into problem solving and solution development—which can often be wasteful without a clear understanding of a given market and customer need—this course focuses on research, exploration, and discovery. It asks students to set aside pre-conceived notions, avoiding some of their own blind spots, in order to do the necessary work of collecting data about market and learning to assess it as objectively as possible. This course is ideal for anyone who wants to excel at finding white space for new innovation and entrepreneurial action.

I&E390 - Advanced Special Topics

Subject: I&E  
Catalog Number: 390  
Title: Advanced Special Topics

Description
Selected advanced topics in innovation and entrepreneurship. Instructor consent required.
I&E390S - Advanced Special Topics Seminar

Subject: I&E
Catalog Number: 390S
Title: Advanced Special Topics Seminar

Description:
Selected advanced topics in innovation and entrepreneurship. Instructor consent required.

I&E391 - Independent Study in Innovation and Entrepreneurship

Subject: I&E
Catalog Number: 391
Title: Independent Study in Innovation and Entrepreneurship

Description:
Directed reading or individual projects under the supervision of a faculty member, resulting in a substantive paper or written report containing significant analysis and interpretation. Consent of instructor and director of undergraduate studies required.

I&E393 - Research Independent Study in Innovation and Entrepreneurship

Subject: I&E
Catalog Number: 393
Title: Research Independent Study in Innovation and Entrepreneurship

Description:
Individual research under the supervision of a faculty member, resulting in a substantive paper or written report containing significant analysis and interpretation. Consent of instructor and director of undergraduate studies required.

I&E394 - Research Independent Study in Innovation and Entrepreneurship

Subject: I&E
Catalog Number: 394
Title: Research Independent Study in Innovation and Entrepreneurship

Description:
Individual research under the supervision of a faculty member, resulting in a substantive paper or written report containing significant analysis and interpretation. Consent of instructor and director of undergraduate studies required. Second semester of year-long research independent study (continuation of I&E 393: Research Independent Study).

I&E395 - New Ventures Development

Subject: I&E
Catalog Number: 395
Title: New Ventures Development

Description:
Do you want to design a business model around either your own idea or someone else’s problem? In New Ventures: Development you’ll learn to assess opportunities, develop and test business models, understand your financials, and build successful teams. If you’ve validated an idea through New Ventures: Discovery or through your independent customer discovery process, New Venture: Development can facilitate idea to action. In this course, student teams will develop core elements of a strategy for a technology or business idea; detail will be suitable for a business plan document for a company seeking initial investment; strategy will serve as a foundation for a first operating plan for company.

I&E396 - New Ventures Delivery

Subject: I&E
Catalog Number: 396
Title: New Ventures Delivery

Description:
Did your idea pass muster in New Ventures Development? Do you have early revenue or evidence of product market fit and want to continue to refine your go-to-market strategy? New Ventures Delivery is the ideal course for serious entrepreneurs ready to push themselves to take the leap. In this course you will continue to test core hypothesis while you develop a milestone driven plan for go-to-market, sales, staffing, and fundraising.
I&E447 - Philosophical and Conceptual Problems of Entrepreneurship

**Subject**  
I&E  

**Catalog Number**  
447  

**Title**  
Philosophical and Conceptual Problems of Entrepreneurship  

**Description**  
Investigation of the nature of entrepreneurship; its psychological foundations, relation to science and technology, implications for economics, and ramifications for morality and ethics.

I&E499 - Innovation and Entrepreneurship Capstone: Ideas into Action

**Subject**  
I&E  

**Catalog Number**  
499  

**Title**  
Innovation and Entrepreneurship Capstone: Ideas into Action  

**Description**  
In this course, students bring together interdisciplinary insights from their work throughout the Innovation & Entrepreneurship Certificate program to shed light on innovation and entrepreneurship and the roles they play in addressing the world’s most pressing problems. The class will incorporate rich discussion, selected readings, and guest speakers addressing topics in innovation and entrepreneurship. Students will focus on applying what they have learned through the certificate curriculum to develop an innovation and entrepreneurship capstone project. Director of undergraduate studies consent required.

I&E499D - Innovation and Entrepreneurship Capstone: Ideas into Action

**Subject**  
I&E  

**Catalog Number**  
499D  

**Title**  
Innovation and Entrepreneurship Capstone: Ideas into Action  

**Description**  
In this course, students bring together interdisciplinary insights from their work throughout the Innovation & Entrepreneurship Certificate program to shed light on innovation and entrepreneurship and the roles they play in addressing the world’s most pressing problems. The class will incorporate rich discussion, selected readings, and guest speakers addressing topics in innovation and entrepreneurship. Students will focus on applying what they have learned through the certificate curriculum to develop an innovation and entrepreneurship capstone project. Director of undergraduate studies consent required.

I&E89S - Special Topics

**Subject**  
I&E  

**Catalog Number**  
89S  

**Title**  
Special Topics  

**Description**  
Selected special topics in innovation and entrepreneurship.
<table>
<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>ICS</td>
<td>101</td>
<td>Introduction to Cultural Anthropology</td>
</tr>
<tr>
<td>ICS</td>
<td>101D</td>
<td>Introduction to Cultural Anthropology</td>
</tr>
<tr>
<td>ICS</td>
<td>102</td>
<td>Introduction to Dance</td>
</tr>
<tr>
<td>ICS</td>
<td>103</td>
<td>AIDS and Other Emerging Diseases</td>
</tr>
<tr>
<td>ICS</td>
<td>104</td>
<td>Anthropology and Film</td>
</tr>
<tr>
<td>ICS</td>
<td>106</td>
<td>Introduction to Latino/a Studies in the Global South</td>
</tr>
</tbody>
</table>

**ICS101 - Introduction to Cultural Anthropology**

**Description**
Theoretical approaches to analyzing cultural beliefs and practices cross-culturally; application of specific approaches to case material from present and/or past cultures.

**ICS101D - Introduction to Cultural Anthropology**

**Description**
Same as Cultural Anthropology 101 except instruction is provided in lecture and discussion group each week.

**ICS102 - Introduction to Dance**

**Description**
Dance as a reflection of historical and current cultural values. Introduction to some of the major forms of world dance (for example, classical dances of Europe, Asia and Africa, and American modern dance); how dance forms illuminate and define gender, personal and group identity, political and religious status, aesthetic values, and the intentions of the dance-makers; dance as an educative force, a facilitator of cultural acquisition, and a reflection of cultural change; the function of dance in various cultural settings; how to look at dance, to analyze movement, and to read the text of dance structure.

**ICS103 - AIDS and Other Emerging Diseases**

**Description**
Explores the interaction of biology and culture in creating and defining diseases through an investigation of acquired immunodeficiency syndrome (AIDS) and other emerging diseases: molecular biology; biology of transmission and infection; the role of people and culture in the evolution of infectious diseases; reasons for the geographic variations in disease. The inductive-deductive methodology of science is both used to develop and test hypotheses as well as examined itself as an analytical tool. Intended for nonmajors.

**ICS104 - Anthropology and Film**

**Description**
The study of feature films and documentaries on issues of colonialism, imperialism, war and peace, and cultural interaction. An introduction to critical film theory and film production in non-Western countries.

**ICS106 - Introduction to Latino/a Studies in the Global South**

**Description**
Introduction to the interdisciplinary field of Latino/a Studies, and how it reconfigures the study of the United States and the Americas. Considers literature, history, sociology, economics, politics, culture and language in examining terms such as: Latino, Latinidad, Global South, transnational, globalization, and multiculturalism. Exploration of alignments and divergences of Latino/a Studies with African and African American Studies, Latin American and Caribbean Studies, and Critical US Studies. Classroom learning will connect with the community outside of Duke. Required introductory course for students in the Latino/a Studies in the Global South certificate program.
ICS106S - Introduction to Latino/a Studies in the Global South

Description
Intro to the interdisciplinary field of Latino/a Studies, and how it reconfigures the study of the United States and the Americas. Considers literature, history, sociology, economics, politics, culture, and language in examining terms such as: Latino, Latinidad, Global South, transnational, globalization, and multiculturalism. Exploration of alignments and divergences of Latino/a Studies with African and African American Studies, Latin American and Caribbean Studies, and Critical US Studies. Classroom learning will connect with the community outside of Duke. Required intro course for students in the Latino/a Studies in the Global South certificate program.

ICS108 - Religions of Asia

Description
Problems and methods in the study of religion, followed by a survey of the historical development, beliefs, practices, ethics, and contemporary significance of the Islamic religion and religions of south and east Asia.

ICS110 - Introduction to African Studies (DS3 or DS4)

Description
A range of disciplinary perspectives on key topics in contemporary African Studies: nationalism and pan-Africanism, imperialism and colonialism, genocide and famine, development and democratization, art and music, age and gender.

ICS111 - Traditions in Documentary Studies

Description
Traditions of documentary work seen through an interdisciplinary perspective, with an emphasis on twentieth-century practice. Introduces students to a range of documentary idioms and voices, including the work of photographers, filmmakers, oral historians, folklorists, musicologists, radio documentarians, and writers. Stresses aesthetic, scholarly, and ethical considerations involved in representing other people and cultures.

ICS111D - Traditions in Documentary Studies

Description
Traditions of documentary work seen through an interdisciplinary perspective, with an emphasis on twentieth-century practice. Introduces students to a range of documentary idioms and voices, including the work of photographers, filmmakers, oral historians, folklorists, musicologists, radio documentarians, and writers. Stresses aesthetic, scholarly, and ethical considerations involved in representing other people and cultures.

ICS113 - Introduction to Human Rights: Gateway for the Human Rights Certificate

Description
This is the Gateway course for the Human Rights Certificate. Students are introduced to the history, theory, practice, and current issues in human rights. The course is interdisciplinary.
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<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ICS</td>
<td>115</td>
<td>Intro to Middle East: History, Culture, Politics</td>
<td>Introductory course for the study of the Middle East. Introduce both modern and medieval aspects of the Middle East, including but not limited to Arab, Turkish, and Iranian cultures of Middle East. No background necessary.</td>
</tr>
<tr>
<td>ICS</td>
<td>116FS</td>
<td>Clash of Civilizations: In the Heart of Europe</td>
<td>This course focuses on the battle between barbarian invaders, established communities, and new religions in the Middle Ages. What became Spain and Portugal were battlegrounds between faiths old and new, a clash of civilizations between Christianity, Judaism, and Islam that would inform future global conflicts. We explore the history of this confrontation at the crossroad of civilizations—between East and West, Africa and Europe—and its effect on our worldview today. A common culture was forged in science, mathematics, music, literature, philosophy, and mysticism, a shared legacy shaping world history and the current world order. Part of the 'Geopolitics and Culture' Focus Cluster.</td>
</tr>
<tr>
<td>ICS</td>
<td>118</td>
<td>Science and the Modern World: Introduction to the History of Science</td>
<td>This course surveys the history of science from the sixteenth century through the present day. It addresses science not just as a body of knowledge and methods but as a cultural activity that has shaped and been shaped by modern global history. Topics will range across physical sciences, life sciences, earth and environmental sciences, and social sciences. This course takes a global perspective, with emphasis on parallels, differences, and interconnections among ways of knowing nature in different places and times, as well as the role of specific materials, environments, technologies, and practical problems in the development of modern science.</td>
</tr>
<tr>
<td>ICS</td>
<td>119FS</td>
<td>Human Rights: Back to The Future, Looking at Roots and Current Reality of Human Rights</td>
<td>This Focus course introduces students to a brief history of rights as a way to ground our exploration of current human rights challenges and what rights may be envisioned in the future. Rights have never been static. Recent changes in how we see rights include the right to truth in post-conflict societies and animal rights. We'll explore how cutting-edge thinkers contribute to an expanded horizon of rights. We will be engaging with activists, scholars, and artists. Open only to students in the Focus Program.</td>
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<td>Subject</td>
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<tr>
<td>ICS</td>
<td>120</td>
<td>American Indian Nations Today</td>
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<tr>
<td>ICS</td>
<td>121</td>
<td>Introduction to Contemporary Latin America</td>
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<tr>
<td>ICS</td>
<td>122</td>
<td>History of Latinxs in the United States</td>
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<td>ICS</td>
<td>123</td>
<td>Private Wealth and Public Giving: A Modern History</td>
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</table>

**ICS120 - American Indian Nations Today**

**Description**
This course is an introduction to the tremendous diversity of contemporary American Indian sovereign nations' and their citizens' experiences in the territory now known as the United States. American Indian Nations Today addresses the complexities of contemporary Native Nation topics by providing context for understanding the distinct political, legal, economic, social, and cultural institutions of Native Nations today. These topics and issues are analyzed from individual, local, and national Native and non-Native perspectives through readings, media, and occasional guest speakers.

**ICS121 - Introduction to Contemporary Latin America**

**Description**
This is an introductory, interdisciplinary survey course on modern Latin America focusing on contemporary social issues especially from the past five years. Each week will be dedicated to a different social problematic, including: political indigeneity; the legacy of African slavery; feminism and femicide; drug wars; migration and border issues; student movements; neoliberalism and resource struggles; and ecological contestation. Weekly meetings are driven by reading discussion, with context provided in lectures. You will conduct independent research in at least one group presentation and one final project. Required for students seeking the certificate in Latin American Studies.

**ICS122 - History of Latinxs in the United States**

**Description**
This introductory course will cover the social, cultural, and political histories of Latino/as in the United States from 1848 to the present including the Treaty of Guadalupe Hidalgo, the Great Depression, WWI/WWII, the creation of Latino/a civil rights organizations, and the civil wars and free trade agreements of the 1980s and 1990s that have spurned so much of contemporary migration. Themes include colonialism and conquest, sexuality and gender, race and ethnicity, transnationalism and migration, social inequality and practices of resistance. This class will highlight the diversity of the Latino/a experience—focusing on the history of Afro-Latino/as, queer Latino/as, and undocumented Latino/as.

**ICS123 - Private Wealth and Public Giving: A Modern History**

**Description**
Surveys the entangled relationship between private wealth and public giving over the past few centuries of capitalist modernity in Asia, Europe, and the United States. Explores how the entrepreneurial impulse to make money has also been shadowed by the ethical imperative to give it away. Analysis of the circumstances and contexts in which the apparent altruism of givers is also motivated by self-interest. The major topics include study of religious giving; the historical roots of philanthropy in the age of imperialism; the evolution of ideas of ‘trusteeship’ and ‘creative capitalism;’ gender and philanthropy; and ‘celebrity’ philanthropy.
ICS125FS - Languages, Margins, Borders: Representations, Practices, and Policies

Subject: ICS
Catalog Number: 125FS
Title: Languages, Margins, Borders: Representations, Practices, and Policies

Description
Examines the relationships between language and contemporary migration patterns that, directly or indirectly, affect millions of people across the globe, focusing especially on migration flows related to humanitarian challenges. Divided into three key themes, it analyzes the representation of migrants and migration in media and culture; language practices of migrants, including translanguaging and language learning; and policies towards migrants and their languages that pertain to governance in linguistically diverse societies. Interdisciplinary in approach, readings are drawn from linguistic anthropology and sociolinguistics, as well as political sociology and public policy studies.

ICS126 - American Indians Go Graphic

Subject: ICS
Catalog Number: 126
Title: American Indians Go Graphic

Description
Introductory-level American Indian Studies course that explores historic and contemporary Native Nation-centric topics through the medium of comic books and graphic novels. These topics include representation and racialization, differing forms of activism, economic development, and settler-colonial impacts.

ICS128FS - Human Rights and World Politics

Subject: ICS
Catalog Number: 128FS
Title: Human Rights and World Politics

Description
Examines the role of human rights and global justice in world politics. We will consider questions such as whether human rights are universal, what role human rights and global justice should be play in U.S. foreign policy, which strategies are most effective in promoting human rights and global justice, and which risk inciting backlash. The course will cover topics including civil and political rights; economic, social and cultural rights; genocide, torture, humanitarian intervention, and the international criminal court.

ICS144 - Introduction to East Asian Cultures: Narrating East Asia through Word and Image

Subject: ICS
Catalog Number: 144
Title: Introduction to East Asian Cultures: Narrating East Asia through Word and Image

Description
The study of East Asia makes sense not necessarily as a study of shared canons or of 'civilizational origins' or, shared 'Asian values': rather, modern East Asia can be productively studied in terms of shared historical, political, cultural concerns; the influx of new ideologies; the processes of 'becoming modern'; and of course, the positioning of East Asian area studies in the academy and the larger world. In this introductory course, we will be looking at 'Global East Asia' and its diasporas through all manners of storytelling, focusing on word-image narratives: Asian traditions of manga, manhwa, manhua, as well as graphic novels.
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<th>Subject</th>
<th>Catalog Number</th>
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<tr>
<td>ICS</td>
<td>150S</td>
<td>Sports and Society</td>
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</tbody>
</table>

**Description**
This course will examine the giant role that sports play in the modern world. It will explore the history of sports in the U.S. and worldwide, and the role of forces like race, gender, mythmaking, economics, and fan cultures in a variation of games from soccer to basketball and football.

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<tr>
<td>ICS</td>
<td>152S</td>
<td>Gateway Seminar: History at Sea</td>
</tr>
</tbody>
</table>

**Description**
Maritime history through examination of ships, shipping, and shipboard communities. Topics addressed include shipboard language, labor, rituals, technology, aesthetics, and power, as well as free and forced maritime migrations. Discussion of the ways ships and shipping created the world in which we live.

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<tr>
<td>ICS</td>
<td>157S</td>
<td>Gateway Seminar: Empires in Historical Perspective</td>
</tr>
</tbody>
</table>

**Description**
Study of modern empires in historical comparative-connective perspective. Approaches, methods, themes include social history from below, maritime history, history of technology, debates about the ethicality of war, occupation and regime change in sovereign territories. Final research paper involving intensive primary-source research, extensive use of secondary and on-line sources for the study of empires.

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<th>Subject</th>
<th>Catalog Number</th>
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<tr>
<td>ICS</td>
<td>160</td>
<td>Islam</td>
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</table>

**Description**
Introduction to Islamic theology, practice, social institutions, and ethics in the past and present. This course uses original Islamic texts, academic prose, as well as film and fiction. Two short papers, quizzes, and brief presentation are required.

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<th>Subject</th>
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<th>Title</th>
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<tr>
<td>ICS</td>
<td>164S</td>
<td>Gateway Seminar - Antisemitism: Ethnicity, Race, Religion, Culture</td>
</tr>
</tbody>
</table>

**Description**
Focuses on selected anti-Judaic and antisemitic episodes from ancient antiquity through modern times, paying attention to both antisemitic texts and events. It evaluates competing theoretical frameworks for understanding antisemitism as ethnic, racial, religious and cultural phenomenon. Can antisemitism be understood as part of the history of racism or of other forms of ethnic hatred? Why were Jews so often target of hatred? How did both Jews and antisemites view their relations with each other? How do historians understand them? If there is limited continuity among antisemitic episodes, how can the prevalence and repetitiveness of antisemitism be explained?

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<tr>
<td>ICS</td>
<td>166S</td>
<td>Gateway Seminar - Anarchism and its Discontents</td>
</tr>
</tbody>
</table>

**Description**
Introduction to the 19th century philosophical foundations of anarchist thought and to the history of the major anarchist movements in the 20th century in Russia, Italy and Spain. The first part of the course is an intensive investigation of the thought of Michael Bakunin, Pierre-Joseph Proudhon, Leo Tolstoy and Peter Kropotkin using selections from their own writings. The next unit focuses on the movements they inspired in Russia and Western Europe. The last unit concerns the more contemporary manifestations of anarchism in the U.S. under the influence of Murray Bookchin. Students will write a major paper due at the end of the course.
ICS169 - Advertising and Society: Global Perspective (DS4)

**Subject**
ICS

**Catalog Number**
169

**Title**
Advertising and Society: Global Perspective (DS4)

**Description**
History and development of commercial advertising; advertising as a reflector and/or creator of social and cultural values; advertisements as cultural myths; effects on children, women, and ethnic minorities; advertising and language; relation to political and economic structure; and advertising and world culture. Emphasis on American society complemented by case studies of advertising in Canada, Japan, Mexico, Russia, Western Europe, and selected other countries.

ICS170 - Muslim World: Transformations and Continuities

**Subject**
ICS

**Catalog Number**
170

**Title**
Muslim World: Transformations and Continuities

**Description**
The diversity of social practices within the community of Islam. Particular emphasis on gender relations, religious movements, diaspora communities, and social change.

ICS171 - Business Anthropology: Anthropologists in the Workplace

**Subject**
ICS

**Catalog Number**
171

**Title**
Business Anthropology: Anthropologists in the Workplace

**Description**
Introduces students to the various applications of anthropological theory and ethnographic method in contemporary institutional settings with the aim of familiarizing students with alternative career opportunities. The course looks at corporate and other private and public-sector use cases as well as the extensive literatures in the fields of organizational management, user, and consumer experience. Students also engage professionals in order to better understand processes of research, hypothesis testing, analysis, and the formulation of organizational management, design, and other strategic solutions for clients.

ICS179S - Gateway Seminar: Capitalism & Its Critics

**Subject**
ICS

**Catalog Number**
179S

**Title**
Gateway Seminar: Capitalism & Its Critics

**Description**
Surveys major advocates, critics, and reformers of capitalism, from Adam Smith, Charles Dickens, and Karl Marx to contemporary champions and opponents of 'free market' reform.
ICS180FS - Heroes and Villains: Dissidence in the Middle East

Subject: ICS
Catalog Number: 180FS
Title: Heroes and Villains: Dissidence in the Middle East

Description
Considering the historical culture of disobedience in the Middle East and the significant actors as superheroes and villains depending on the time and their affiliations. Investigating how the dissident voices are constructed and performed from pre-modern esoteric practices in dervish convents, or coffee houses to print culture and social media in modern times. Discussing major themes such as protest and propaganda, censorship and self-censorship, and surveillance and counter-surveillance through films, poetry, graphic novels, and music.

ICS183S - Gateway Seminar: Civil Rights and Asian Americans

Subject: ICS
Catalog Number: 183S
Title: Gateway Seminar: Civil Rights and Asian Americans

Description
Study of crucial legal and political moments in the struggle for equal civil rights of minorities, beginning with the laws of Chinese Exclusion, the struggle to define who was 'White,' the Asian Immigration Exclusion Acts, the relationships of Asians and African Americans and the struggle for equal schooling in the American South, the Japanese Concentration camps, the Redress and Reparations Civil Rights struggle, and the involvement of Asians Americans in the African American-led Civil Rights Movement in the 1960s, including working with Martin Luther King and Malcolm X, and Asian Americans in the anti-sweatshop unionization movement.

ICS186FS - Games and Culture: Gateway to the Study of Games

Subject: ICS
Catalog Number: 186FS
Title: Games and Culture: Gateway to the Study of Games

Description
Examines analog and computer games from a cultural perspective. Explores how prevailing culture and values affect game design, popularity, and experience. How games affect those areas of culture, such as imagining disaster, utopia and dystopia. Explores role-playing and identity, ethics, group behavior, competition, politics, gender, race, and aesthetics.

ICS188S - Gateway Seminar: The Price of Sex: Gender and the Global Political Economy

Subject: ICS
Catalog Number: 188S
Title: Gateway Seminar: The Price of Sex: Gender and the Global Political Economy

Description
Explores how sex and gender have shaped economic policies and opportunities in different settings, particularly in the modern era (19th, 20th, and 21st centuries). Will focus on public policies and normative practices at the local, national, and international levels. As a gateway seminar for the history major, will focus on developing an understanding of historiography and methodology culminating in a prospectus for a future research project.

ICS190 - Selected Topics in International Comparative Studies

Subject: ICS
Catalog Number: 190
Title: Selected Topics in International Comparative Studies

Description
Seminar version of International Comparative Studies. Topics vary by semester.

ICS190A - Duke-Administered Study Abroad: Special Topics in International Comparative Studies

Subject: ICS
Catalog Number: 190A
Title: Duke-Administered Study Abroad: Special Topics in International Comparative Studies

Description
Topics differ by section.
### ICS190FS - Focus Program Selected Topics in International Comparative Studies

<table>
<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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<tbody>
<tr>
<td>ICS</td>
<td>190FS</td>
<td>Focus Program Selected Topics in International Comparative Studies</td>
</tr>
</tbody>
</table>

**Description**
Topics vary from semester to semester, focusing either on specific world regions or particular comparative/global issues. Open only to students in the FOCUS Program.

### ICS190S - Selected Topics in International Comparative Studies

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<th>Subject</th>
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<tbody>
<tr>
<td>ICS</td>
<td>190S</td>
<td>Selected Topics in International Comparative Studies</td>
</tr>
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</table>

**Description**
Seminar version of International Comparative Studies. Topics vary by semester.

### ICS195 - Critical Approaches to Global Issues

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<th>Subject</th>
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<tr>
<td>ICS</td>
<td>195</td>
<td>Critical Approaches to Global Issues</td>
</tr>
</tbody>
</table>

**Description**
Introduction to critical transnational studies through several disciplinary approaches. Examines capitalism and neo-liberal globalization and their relationships to culture, politics, economics, and other social forms and outcomes; considers transnationalism 'from below'; addresses linear and Western-centric thinking about progress and modernity; focuses a historical lens on political discourses, institutions, and projects to understand them contextually; demonstrates how cultures and identities are dynamically constituted in interaction with historical, material, political, and situational factors; considers how different inequalities and contestations inflect most social formations.

### ICS203 - Gender and Culture

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<tr>
<td>ICS</td>
<td>203</td>
<td>Gender and Culture</td>
</tr>
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**Description**
Explanation of differing beliefs about gender cross-culturally, by comparison with dominant themes about gender in our own cultural history and contemporary ideological struggles.

### ICS206 - Pigging Out: The Cultural Politics of Food

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<th>Subject</th>
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<tbody>
<tr>
<td>ICS</td>
<td>206</td>
<td>Pigging Out: The Cultural Politics of Food</td>
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</tbody>
</table>

**Description**
Examines cultural influences of food while linking class, geography, and ethnicity to food practices. Investigates link between overeating and cheap food, under-eating and expensive food; discrepancy between cost and quality; changing diets in US and elsewhere; current debates regarding food production, specifically in the U.S., Americas, Africa and Asia. Discussion of Cargill companies’ restrictions on spread of their hybrid grains; questionable agricultural practices, e.g. animal cruelty, overuse of pesticides, condition of migrants. Environmental policies examined in relation to pursuit of such industrial agricultural practices. Will include hands-on experiments with food preparation and tasting.

### ICS207 - Gender and Language

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<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ICS</td>
<td>207</td>
<td>Gender and Language</td>
</tr>
</tbody>
</table>

**Description**
Theoretical approaches to the question of the interrelationship of gender and language including neurobiology, psychology, semiotics, feminist critical theory, philosophy of language, discourse analysis, and linguistic theory. Taught in English.
<table>
<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ICS</td>
<td>208</td>
<td>Transnational Feminism</td>
<td>Explore feminist projects and approaches that cross a variety of borders. Under what conditions is solidarity across difference and inequality possible? This seminar examines this and other questions using relevant theories, film, and scholarship. Topics include activism, human rights, development, capitalism, war/militarization, racism, embodiment, and health. Assigned readings and films largely focus on the Global South but situate the Global North within circuits and relationships. The professor guides each student in preparing an original research paper on a relevant topic of interest to the student.</td>
</tr>
<tr>
<td>ICS</td>
<td>208S</td>
<td>Transnational Feminism</td>
<td>Explore feminist projects and approaches that cross a variety of borders. Under what conditions is solidarity across difference and inequality possible? This seminar examines this and other questions using relevant theories, film, and scholarship. Topics include activism, human rights, development, capitalism, war/militarization, racism, embodiment, and health. Assigned readings and films largely focus on the Global South but situate the Global North within circuits and relationships. The professor guides each student in preparing an original research paper on a relevant topic of interest to the student.</td>
</tr>
<tr>
<td>ICS</td>
<td>209S</td>
<td>The Atlantic Slave Trade</td>
<td>The development of the slave trade from the fifteenth century to its abolition in the nineteenth century; organization and mechanics, impact on Europe, Africa, and the Americas.</td>
</tr>
<tr>
<td>ICS</td>
<td>210</td>
<td>Languages of the World</td>
<td>The major languages of the world viewed in the context of the communicative and signficate functions of language as parameters that shape and define society. The role of language in defining and structuring culturally-based relationships from a semiotic point of view. The structure, writing systems, phonology, morphology, and lexicon of languages from the following groups: Indo-European, Semitic, Turkic, Finno-Ugric, Caucasian, Afroasiatic, Sino-Tibetan, Niger-Kordofanian, Dravidian, and Native American languages.</td>
</tr>
<tr>
<td>ICS</td>
<td>211S-1</td>
<td>South African Past and Present</td>
<td>Explores the history of modern South Africa from the beginning of the mineral revolution in the 1860s to the post-apartheid present. We will cover mining-centered industrialization, the emergence of Afrikaner and African nationalism, segregationist ideology, and the construction of apartheid. We will examine the plethora of anti-apartheid struggles, and the regional and wide-ranging global efforts to end apartheid and usher in democracy. The establishment and promise of multi-party democracy, the AIDS epidemic, and the reemergence of social movements are all topics we will consider and we will conclude by reflecting on the place of South Africa as a regional, continental, and world power.</td>
</tr>
<tr>
<td>ICS</td>
<td>211S-2</td>
<td>Apartheid South Africa and Struggles for Democracy</td>
<td>Working through an array of diverse organizations – including the African National Congress, the Pan African Congress, the Black Consciousness Movement, a host of liberal organizations, the churches, the trade union federations, and countless more - South Africans fought against apartheid from its inception. In 1994 they achieved a multi-racial democracy led by President Nelson Mandela. This seminar explores key themes in post-World War II South African history, paying special attention to the plethora of anti-apartheid struggles, while analyzing the tenets of apartheid policies.</td>
</tr>
</tbody>
</table>
ICS212 - Modern European Short Fiction

Subject: ICS
Catalog Number: 212
Title: Modern European Short Fiction

Description: Comprehensive examination of several important works of modern European short fiction by authors such as Kafka, Woolf, Svevo, Sartre, Joyce, Proust, Mann, Schnitzler, Gogol, and Calvino. While stories will be contextualized historically, culturally, and geographically, course is organized into thematic units, including animals, home, punishment, and love, to facilitate comparative analysis. Students engage critically with concepts such as identity, trauma, genre, and narrative form.

ICS213S - Comparative Urban Politics and Policymaking

Subject: ICS
Catalog Number: 213S
Title: Comparative Urban Politics and Policymaking

Description: DukeImmerse Seminar. A comparative examination and analysis of urban governance in South Africa and the United States. Examines potential consequences of persistent racial and class disparities for housing and neighborhoods, public health, education, community infrastructure, and general economic and social development. Specific attention to how the physical layout, government structures, politics, culture, and the civil society of cities and urban areas may both promote and hinder human development and social justice. Instructor consent required.

ICS215 - Gender in Dance and Theatre

Subject: ICS
Catalog Number: 215
Title: Gender in Dance and Theatre

Description: Ways in which gender and sexuality are conceptualized in selected performance cultures. Interprets these historically constituted social formations through an examination of the diverse cultural constructions of gender meanings, representations and ideologies as interpreted and expressed in dance and theatre. Symbolic meanings of gender in relation to forms of social life and theatrical experience. The Devadasi in India, the concept of the male embodied Onnagata, and the notion of the female embodied Otokoyaku in the dance-theatre of Japan.

ICS216 - Gender and Socialism

Subject: ICS
Catalog Number: 216
Title: Gender and Socialism

Description: History of socialist feminism as a global political movement and philosophical-theoretical tradition with a special focus on its divergent national trajectories and conflict-ridden relationship with liberal feminism and socialist and communist movements and governments in Europe, Russia, China and US since the nineteenth century; offers an overview of European, Russian, Chinese and US history of the last two centuries; includes exploration of principles and aspirations that informed socialist theory of modern society, social justice, family, motherhood, parenthood, sexual difference, gender equality as well as public policies and legislation instituted or informed by the socialist tradition.

ICS217 - Islamic Civilization I

Subject: ICS
Catalog Number: 217
Title: Islamic Civilization I

Description: A global history of Islamic thought, practice, spirituality, politics, and culture. This course analyzes the emergence of Islam and the spread of Muslim culture and learning across Africa, Asia, and Europe. It introduces how Muslims fostered a globalized economy and international community of scientists, scholars, agriculturalists, musicians, artisans, and philosophers of diverse backgrounds – along with other key themes that students may pursue in greater detail in future coursework. Gateway course for an interdisciplinary certificate in Islamic studies.

ICS218 - Modern & Global India

Subject: ICS
Catalog Number: 218
Title: Modern & Global India

Description: Examines the historical foundations for the emergence of India as a modern and global society with a focus on the Mughal empire, British colonialism, and Indian nationalism. Uses textual and visual sources for charting how local political, social-economic and cultural factors intersect with the global movements of peoples, goods, technologies, and ideas in the creation of the modern nation-state of India. Concludes with discussion of globalization of Indian labor, food, and Bollywood. Time frame from 1500 to present.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ICS219D</td>
<td>ICS</td>
<td>2190</td>
<td>Global Art Since 1945</td>
<td>Major avant-garde movements of the post-World War II era, with a concentration on the unprecedented changes in the mediums of art, its forms, impact on society and politics, and ethical role in shaping culture through painting and sculpture, conceptual and performance art, installation and new media, video, photography, and film.</td>
</tr>
<tr>
<td>ICS219S</td>
<td>ICS</td>
<td>2195</td>
<td>Global Art Since 1945</td>
<td>Major avant-garde movements of the post-World War II era, with a concentration on the unprecedented changes in the mediums of art, its forms, impact on society and politics, and ethical role in shaping culture through painting and sculpture, conceptual and performance art, installation and new media, video, photography, and film.</td>
</tr>
<tr>
<td>ICS220SA</td>
<td>ICS</td>
<td>220SA</td>
<td>Korea in Performance: Global Culture and Soft Power</td>
<td>This course surveys the various ways in which South Korea has emerged as a leading nation in the creation of global culture since the late twentieth century. Exemplified by K-pop and K-drama, various cultural contents created in and promoted by Korea have circulated globally and have had a lasting impact on popular culture, new media, and the arts around the world. By using specific case studies in Seoul and its vicinities and by inviting guest speakers, the course introduces students to topics of globalization, interculturalism, neocolonialism, neoliberalism, transnationalism, and tourism.</td>
</tr>
<tr>
<td>ICS221S</td>
<td>ICS</td>
<td>221S</td>
<td>Africa before Colonialism</td>
<td>This undergraduate seminar considers the history of Africa south of the Sahara from the beginning of the Holocene era to 1800, focusing on processes of community formation and political and social change. Using a variety of sources and methods, it traces major debates and themes in the ‘deep’ African past across a number of regions and time periods. These themes include state formation, the dynamic reproduction of social structures through migration, the political meanings of health and healing, the development of ideas about gender, the relationship between Islam and Christianity and other cosmologies, and Africa’s interaction with the wider world.</td>
</tr>
<tr>
<td>ICS222S</td>
<td>ICS</td>
<td>222S</td>
<td>Black Muslims: Race, Religion, &amp; Culture</td>
<td>The intersection of African, American, European, and Islamic cultures studied through the cultural and intellectual flourishing of black Islam. Topics include early Muslim communities established in the Americas through the transatlantic slave trade, Muslim slave rebellions in Brazil and the Caribbean, Muslim slave autobiographies, African Muslims in Europe, the emergence of the Moorish Science Temple and the Nation of Islam, Elijah Muhammad, Malcolm X, Muhammad Ali, women of the Nation of Islam, women’s Qur’an exegeses, Hagar as a black woman, black feminism, the Five-Percent Nation, Islamic hip-hop and rap, ‘the Black Crescent,’ the black international and Islam, and the Black Panthers.</td>
</tr>
<tr>
<td>ICS223</td>
<td>ICS</td>
<td>223</td>
<td>African Art: From Royal Court to Contemporary Marketplace</td>
<td>Explores traditional, modern, and contemporary African art from the ever-shifting perspectives of prestige, power, and identity. The conceptual framework guiding this survey is both a broad introduction to the major artists and artworks of Africa across millennia, as well as probing specific questions about the changing definitions of African art, individual versus state identities in African art, and the impact of religion, colonization, and trade/commerce on African art.</td>
</tr>
</tbody>
</table>
ICS224A - The Cognitive Science of Religion and Morality

Subject: ICS  
Catalog Number: 224A  
Title: The Cognitive Science of Religion and Morality

Description: Review of recent theories of mind in cognitive science as they pertain to the nature of belief in God, religious practices, and moral attitudes. Arguments in ethics and philosophy of religion as they apply to Judaism, Christianity, and Islam. Offered only in the Duke in Istanbul semester study abroad programs. Consent of instructor required.

ICS225SA - Politics and Culture Between Europe and the Middle East

Subject: ICS  
Catalog Number: 225SA  
Title: Politics and Culture Between Europe and the Middle East

Description: Surveys the changing geopolitical context of communities between Europe and the Middle East through an interdisciplinary cultural framework from WWI to the present. Emphasis on German/Turkish relations. Analysis of representations of nationalism, identity, ethnicity, gender and religion. Examines intersections of modernity, revolution, and lived and political Islam to analyze the ways in which political ideologies create and question Middle Eastern identities. Secondary theoretical readings, including work by political scientists, cultural critics, and policy experts. Taught in English as part of the Duke Middle East in Europe program.

ICS226 - The Black Atlantic

Subject: ICS  
Catalog Number: 226  
Title: The Black Atlantic

Description: The African diaspora—a direct result of the transatlantic slave trade and Western colonialism—has generated a wide array of artistic achievements, from the 'shotgun' houses of New Orleans to the urban graffiti of NYC. The course surveys several major cultural groups in West and Central Africa and their aesthetic impact on the arts, religions, and philosophies of peoples of African descent in South America, the Caribbean, and the United States.

ICS226S - Politics of Pandemics

Subject: ICS  
Catalog Number: 226S  
Title: Politics of Pandemics

Description: Exploration of social, cultural, historical, and political facets of epidemic disease and widespread health crises. Key concepts in medical anthropological research and writing; reading ethnographic texts alongside journalistic, literary, and policy accounts of disease experiences and institutional responses. Assess scope, scale, and genre associated with representing pandemics. Analyze global case studies of both infectious and chronic diseases.
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<th>Subject</th>
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<tbody>
<tr>
<td>ICS</td>
<td>228FS</td>
<td>The Politics of Language</td>
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<tr>
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<td>Description: Examines the political role of language in societies as diverse as China, India, the former Soviet Union, the UK and the US. Looks at how state and non-state actors influence citizens’ language practices, and their beliefs about language. Drawing on political theory, sociology and sociolinguistics, we look at how language policies reflect and produce sociopolitical realities. Topics covered include migration, citizenship, nationalism and decolonization. Open to students in the Focus Program only.</td>
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<tbody>
<tr>
<td>ICS</td>
<td>229DS</td>
<td>Environment and Conflict: The Role of the Environment in Conflict and Peacebuilding</td>
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<tr>
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<td></td>
<td>Description: Environmental and natural resources as a source of conflict and/or peacebuilding between and within nations and states. Analysis of the role of the environment in the conflict cycle and international security. Topics include refugees, climate change, water, and infectious disease. Particular focus on post-conflict and rebuilding in war-torn societies. Examination of the role of international organizations, non-governmental organizations, and emerging standards for environmental management. Examples drawn from conflicts such as Rwanda, Israel/Palestine, Nepal, Sierra Leone and others. Instructor consent required.</td>
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<tr>
<td>ICS</td>
<td>230</td>
<td>Stimulants and Society</td>
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<tr>
<td></td>
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<td>Description: Undergraduate course on stimulants and legal 'drug foods' (e.g. sugar, coffee, tea, tobacco) their use and development historically in context of European colonialism and their transformation in major global commodities in modern capitalism. Studies the connection between pharmacology, cultural reception, markets, supply chains, and political economy. Students prepare for independent final research project via interdisciplinary readings from history, anthropology, environmental studies as well as in-class demonstrations and field visits. Suitable for students interested in food studies, STS, pharmacology as well as anthropology, history, environmental studies.</td>
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</tr>
</tbody>
</table>
ICS231D - Modern Architecture

Subject    | Catalog Number | Title                  
---         | ---------------|------------------------
ICS         | 231D           | Modern Architecture    

Description
The history of European and American architecture from eighteenth-century Neo-Classicism through Gothic Revival, Art Nouveau, and Arts and Crafts to the early twentieth century Bauhaus. Labrouste, Richardson, early Wright, and LeCorbusier among the architects considered.

ICS232 - Latin American Wars of Independence

Subject    | Catalog Number | Title                  
---         | ---------------|------------------------
ICS         | 232            | Latin American Wars of Independence    

Description
This course covers the conspiracies, uprisings, and wars that led to the independence of Haiti and the Latin American colonies of Spain and Portugal between 1780 and the 1898 withdrawal of Spain from Cuba. It focuses on the key military and political leaders of anti-colonial struggles conducted on a continental scale from the islands of the Caribbean to the Andean highlands and beyond. Military strategy and political tactics were decisively shaped by modern debates about the meaning of freedom in terms of slavery and national self-determination. No prior knowledge of Latin America and the Caribbean required.

ICS234 - Drugs, Chemicals, and Health: Histories of Substances in Economies, Environments, and Bodies

Subject    | Catalog Number | Title                  
---         | ---------------|------------------------
ICS         | 234            | Drugs, Chemicals, and Health: Histories of Substances in Economies, Environments, and Bodies    

Description
This course asks how we might think historically about synthetic chemicals, natural alternatives, and the benefits and hazards they pose to human health, society, and environments. Combining cultural, political, and economic history with interdisciplinary environmental history and science & technology studies, we will follow historical ‘biographies’ and ‘genealogies’ of drugs and chemicals through economies, environments, and bodies, from cellular to planetary scales, comparing and connecting different global settings (including North Carolina). Focal substances may include aluminum, antiretrovirals, DDT, gold, indigo, mercury, nicotine, quinine, and opioids.

ICS236S - From Ottoman Empire to the Modern Middle East

Subject    | Catalog Number | Title                  
---         | ---------------|------------------------
ICS         | 236S           | From Ottoman Empire to the Modern Middle East    

Description
Major cultural, political and historical issues in the transition from the late Ottoman Empire to the Modern Middle East. Emphasis on Ottoman legacies in the 20th century. Readings and discussions analyze end of empire through colonial intervention, WWI, the caliphate, political violence, cultural revolution, national self-determination, coups, post-colonial states, and Islamist mobilization. Interdisciplinary focus on cultural texts, including film, popular culture and literature. Thematic discussions on women/gender, identity- and state-formation, historiography, and hierarchies of race and religion.
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<th>Catalog Number</th>
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</thead>
<tbody>
<tr>
<td>ICS237</td>
<td>237</td>
<td>Europe in the Twentieth Century</td>
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<tr>
<td>Description</td>
<td></td>
<td>An examination, emphasizing cultural and political trends, of the turning points that have shattered political unity (two world wars, economic depression, protest movements, the Cold War and ethnic strife), as well as forces for unification (modernist literature, film and music, political ideologies, the Common Market, and post-1989 revival).</td>
</tr>
<tr>
<td>ICS239</td>
<td>239</td>
<td>The Anthropology of Race</td>
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<tr>
<td>Description</td>
<td></td>
<td>Human variation and the historical development of concepts of race; science and scientific racism; folk-concepts of race; and the political and economic causes of racism; ethics of racism.</td>
</tr>
<tr>
<td>ICS240</td>
<td>240</td>
<td>What Is Europe?</td>
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<tr>
<td>Description</td>
<td></td>
<td>Exploration of the idea of Europe as a political, moral, and cultural identity. Examines the construction of such identity throughout history, ending with today's European Union, at a moment in which integration of 'Eastern' countries such as Turkey or Russia remains a hotly debated issue. Consistent attention devoted to literary, cinematic and artistic works which attempt to imagine a European Culture, as well as the evolution of aesthetics, and literary and art history.</td>
</tr>
<tr>
<td>ICS242S</td>
<td>242S</td>
<td>Nigeria: A Modern History</td>
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<tr>
<td>Description</td>
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<td>Nigeria is Africa's largest country by population, its largest economy, and one of the most diverse nation-states in the contemporary world. It is also a place of considerable poverty, wealth disparity, and political discord. How did Nigeria become this country of superlatives, good and bad? This course examines Nigeria's history over the last two centuries—a period encompassing the Atlantic trade in enslaved Africans, British colonial rule, the era of decolonization, and the recent histories of military rule and democracy. Along the way, we will consider Nigeria's place in the broader history of modern Africa.</td>
</tr>
<tr>
<td>ICS243</td>
<td>243</td>
<td>Dance and Dance Theater of Asia</td>
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<tr>
<td>Description</td>
<td></td>
<td>Asian dance and dance theater performance genres and the cultural aesthetics that inform them. Cultural traditions of China, Korean, Japan, India, Indonesia, Thailand and Cambodia. Religious, ritual, folk and royal court forms of artistic performance. The mythology, legends and symbolic interpretations that underlie the thematic core of these performance traditions; spiritual importance of disciplined training; the intercultural translation and adaptation of Asian performance disciplines to the West.</td>
</tr>
<tr>
<td>ICS244S</td>
<td>244S</td>
<td>Global Migration and Ethics</td>
</tr>
<tr>
<td>Description</td>
<td></td>
<td>Same as Cultural Anthropology 216 except in seminar format.</td>
</tr>
</tbody>
</table>
ICS246S - Sound in Social Life

Subject: ICS
Catalog Number: 246S
Title: Sound in Social Life

Description:
Considers sonic environments as socially cultivated and sound production (recording, processing, mixing) and listening as cultural practices, shaped by acoustic space. Includes study of music, recorded soundscapes (films, games, installations, field recordings), built and ecological environments (rainforests, cities, institutions), and the history and use of sound technology (sound production, reproduction, reception, acoustic materials).

ICS246SA - Sound in Social Life

Subject: ICS
Catalog Number: 246SA
Title: Sound in Social Life

Description:
Focus on sound in NYC, to consider sonic environments as socially cultivated and listening as a cultural practice, shaped by acoustic space. Includes study of music, recorded soundscapes (films, games, installations), built and ecological environments (parks, subways, streets, institutions, clubs, neighborhoods), the politics of soundmaking, and the history and use of sound technology (sound production, reproduction, reception, acoustic materials). Considers noise ordinances in relation to public life, the representation of public life in sound, the shaping of city living practices by its acoustic architecture, and creative responses in sound as urban activist projects. Offered through the Duke in New York program.

ICS249S - Istanbul: Religion, Politics and Cosmopolitanism

Subject: ICS
Catalog Number: 249S
Title: Istanbul: Religion, Politics and Cosmopolitanism

Description:
Istanbul is the only city in the world located on two continents. Byzantine, Ottoman, and Turkish cultural legacies allow the city to be read as a 'palimpsest', a multi-layered urban text of multiple, even contradictory meanings. Istanbul is an ideal site to explore imperial history, Islam and Christianity, migration, East/West relations, and cosmopolitanism. Through interdisciplinary sources in history, culture, theory, and politics, students will examine a variety of urban, architectural and social spaces including churches, mosques, public squares, and ethnic neighborhoods. Taught in English.

ICS250 - Love and Loneliness: What's Happening to Relationships in the Twenty-First Century?

Subject: ICS
Catalog Number: 250
Title: Love and Loneliness: What's Happening to Relationships in the Twenty-First Century?

Description:
Long-standing ties to other—whether of kinship, marriage, or community—have long been considered to be fundamental to the human condition. But in an age of dissipated and shifting social worlds, the relationships we form with others are radically changing in the twenty-first century. The class will critically examine the ideals, premises, and obstacles for forming intimacy with others through such cases as hook-ups, solitary death, solo weddings, domestic violence, human/non-human attachments, and migrancy.
<table>
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<tbody>
<tr>
<td>ICS251S</td>
<td>251S</td>
<td>Literatures and Films of Pandemic</td>
<td>This course explores past pandemics as a way to think about how to best live through COVID-19 and prevent or minimize future pandemics. Through examining literature and film, we will analyze the psychosocial dimensions of pandemic. We will read a variety of texts including: histories, fiction (Bulgakov, Porter, Tolstoy, Colson Whitehead); short essays; and films (e.g., Contagion, Outbreak). How do science, medicine, and society interact in a time of pandemic? How do pandemics reveal social inequities, and how could we use this knowledge to decrease disparities? And why do people turn to the humanities and arts in times of pandemic?</td>
</tr>
<tr>
<td>ICS253</td>
<td>253</td>
<td>Jewish History, 1492 to the Present</td>
<td>Major developments in Jewish history from the early modern period to today. The Kehillah, the Spanish-Jewish Diaspora, the rise of Polish Jewry, the Safed Kabbalah, Sabbatianism, the emergence of the Chassidut, the Haskalah (Jewish Enlightenment), Emancipation and the nation state, Reform Judaism, economic modernization, racial antisemitism, Zionism, the Holocaust, the State of Israel, flourishing Jewish pluralism in the United States, the future: nation and Diaspora?</td>
</tr>
<tr>
<td>ICS254</td>
<td>254</td>
<td>Cultures and Politics of the America Borderlands</td>
<td>Americas borderlands refers to the intersection of North and Latin America through the movement of people, products, ideas, and technologies with focus on culture and agri-culture, including the production of food and pharmaceuticals-legal and illegal; explores dirt as concept of matter out of place and people without place and how sustenance can become poison; examines histories of Latin American bodies as ‘terrain’ for US-based scientific experiments.</td>
</tr>
<tr>
<td>ICS256S</td>
<td>256S</td>
<td>Shamanism and Spirit Possession</td>
<td>Anthropological, psychological, and Religious Studies approaches to cross-cultural study of spirit possession and shamanism. Examination of in-depth case-studies and comparative works, from both literate civilizations and non-literate cultures. Engage with contemporary concerns with nature and boundaries of personhood and embodiment and their relation to leadership.</td>
</tr>
<tr>
<td>ICS259</td>
<td>259</td>
<td>African Music: Sound, History, Culture, Politics</td>
<td>This class is about the sound, culture, politics and history of African music as heard in the world today. We will sample diverse styles and practices from around the continent, including live and recorded musics, ‘popular’ and ‘traditional’ styles, and sacred and secular practices. The class aims to teach you about the music ‘itself’, the African history of the international music industry, and about the social value of music, exploring how the patterns of circulation of African music could augment or diminish African problems, Africa’s promise, and Africans’ creative gifts to the world.</td>
</tr>
<tr>
<td>ICS260S</td>
<td>260S</td>
<td>Global Stories, Local Issues</td>
<td>What stories are there to tell about often overlooked objects and people and places? How can we research and share those stories with generosity and integrity? In every corner of our lives—the stickers on our computers, the plates at a local restaurant, the wood in our guitars—there is a story to be told that connects our individual experiences to broader, often global, phenomena. Participants will learn and use methods of ethnography and archival research to connect their experiences and their observations about a place, community, or thing to larger stories about culture and society, and they will practice writing about their research in engaging and broadly accessible ways.</td>
</tr>
</tbody>
</table>
ICS262 - Spies Like Us: Screening Cold War Espionage

Subject: ICS
Catalog Number: 262
Title: Spies Like Us: Screening Cold War Espionage

Description
When the Cold War erupted in the wake of World War II, filmmakers were poised to screen it as propaganda, entertainment (thriller, horror, science fiction), and morally reflective realism. This course explores the films/television series produced on both sides of the Iron Curtain as well as those made after the Cold War (post-1989). Discussion will focus on ethical justifications and critiques of espionage; the characterizations of the spy and those spied on, and the interactions between these protagonists; and the changing aesthetics of screening espionage.

ICS263 - War, Slavery, and Revolution in the Caribbean, 1700-1800

Subject: ICS
Catalog Number: 263
Title: War, Slavery, and Revolution in the Caribbean, 1700-1800

Description
The development of Caribbean society and economy in the contexts of slavery, empire, international rivalry, and democratic revolution.

ICS265 - Games and Culture: Gateway to the Study of Games

Subject: ICS
Catalog Number: 265
Title: Games and Culture: Gateway to the Study of Games

Description
Examines analog and computer games from a cultural perspective. Explores how prevailing culture and values affect game design, popularity, and experience. How games affect those areas of culture, such as imagining disaster, utopia and dystopia. Explores role-playing and identity, ethics, group behavior, competition, politics, gender, race, and aesthetics.

ICS265S - Games and Culture: Gateway to the Study of Games

Subject: ICS
Catalog Number: 265S
Title: Games and Culture: Gateway to the Study of Games

Description
Examines analog and computer games from a cultural perspective. Explores how prevailing culture and values affect game design, popularity, and experience. How games affect those areas of culture, such as imagining disaster, utopia and dystopia. Explores role-playing and identity, ethics, group behavior, competition, politics, gender, race, and aesthetics.

ICS266 - Ritual, Performance, and Religion

Subject: ICS
Catalog Number: 266
Title: Ritual, Performance, and Religion

Description
Exposes students to theories of ritual and performance (Turner, Schechner, Grimes, Geertz, Paden) in religious and non-religious contexts; compares contexts as a way of understanding common structures and what differentiates the religious/non-religious. Guest lecturers (from religion, dance, theater, psychology, English, visual and media studies, cultural anthropology) expose students to a range of approaches to specific kinds of ritual and performance. Possibly involves both class and individual trips to local religious events and performances for field work exercises.

ICS268 - Modern Africa

Subject: ICS
Catalog Number: 268
Title: Modern Africa

Description
ICS270S - From Al-Qaeda to ISIS: Understanding Terrorism, its Roots, Responses, and Ramifications

**Description**
Focus on Al-Qaeda as the preeminent terrorist group of contemporary militant Islam, its roots, ideology, and offshoots such as ISIS and other similar groups in Asia and Africa. Examination of Al-Qaeda's ideology, political culture, and development through exploring the origins and the narrative discourse of modern Islamic organizations dating back to the Sufi Movement of the nineteenth century. Presentation of the patterns and ramifications of terrorist activities. Use critical thinking in order to differentiate Muslim proper narrative discourse from that of Al-Qaeda and its affiliated groups.

ICS272 - Human Rights in Theory and Practice

**Description**
The nature and value of human rights; examining some major debates over their status and meaning and assessing the role which the idea of human rights has played in changing lives, practices, and institutions. Questions considered include: whether commitments to human rights depend on a belief in moral truth; whether the idea of universal human rights makes sense in a culturally diverse world; and what forms of social action are most likely to achieve respect for human rights.

ICS274S - Masculinities & Global Politics

**Description**
The course uses readings and films to examine masculinities historically and transnationally, including a unit on masculinities in US politics; draws from history, sociology, feminist geography, popular culture studies, Black studies, and sexuality and queer studies; interactive lectures and guest scholars. Each student is guided to complete an interview-based research project with three male-identified persons of multiple generations with serves in lieu of a final exam.

ICS271 - Business Ethics: The Debate Over Corporate Social Responsibility

**Description**

ICS273S - Culture and Mental Health

**Description**
This course examines the social and cultural facets of mental illness, psychological diagnoses, and mental health from the standpoints of cultural psychiatry, medical anthropology, and social medicine. Global case studies will form the basis for several key questions: how do mental distress and forms of treatment differ cross-culturally? How might social differences such as gender, sexuality, and race shape therapeutic encounters in mental health? And what roles do psychology, psychiatry, and the brain sciences play in everyday life?

ICS275 - Left, Right, and Center: Competing Political Ideals

**Description**
Analysis of liberalism, conservatism, socialism, and their diverse conceptions of justice, freedom, community, and equality. Exploration of how these political philosophies interpret various social, religious, and political issues. The origins of these ideologies in early modern European thought.
ICS275S - Left, Right, and Center: Competing Political Ideals

Subject: ICS
Catalog Number: 275S
Title: Left, Right, and Center: Competing Political Ideals

Description:
Analysis of liberalism, conservatism, socialism, and their diverse conceptions of justice, freedom, community, and equality. Exploration of how these political philosophies interpret various social, religious, and political issues. The origins of these ideologies in early modern European thought.

ICS276 - The Foundations of Modern Terrorism

Subject: ICS
Catalog Number: 276
Title: The Foundations of Modern Terrorism

Description:
An exploration into the problems associated with terrorism in the modern era. The subject will be treated historically, chronologically and thematically, with emphasis on the 19th and 20th centuries. We shall also be examining three main geographic areas -- Europe, Russia, and the U.S. Comparisons will therefore be made of the different genres of terrorisms that have functioned in these and other localities, including Latin America and Africa. We conclude with the road to 9/11.

ICS278SA - Transnational Muslims in Germany: Politics of Migration, Religion, and Culture

Subject: ICS
Catalog Number: 278SA
Title: Transnational Muslims in Germany: Politics of Migration, Religion, and Culture

Description:
Critically analyzes political debates about Muslims and Islam in Europe that often cast them as a 'security threat' or a 'problem' of failed integration. Traces the geographical production of Muslim subjects through transnational flows, networks and imaginaries. Examines a series of topics including debates about the headscarf, Muslim women’s dress, mosque construction, Muslim civil society organizations, and the refugee crisis in Germany. Taught in English as part of the Duke Middle East in Europe program.

ICS282 - Global Bioethics

Subject: ICS
Catalog Number: 282
Title: Global Bioethics

Description:
Examines various problems of international ethics, discussing them in the context of general ethical theory and then in the specific context of various controversies concerning the conduct of clinical trials in developing countries. Problems include moral universalism and relativism; poverty relief and international aid; international health disparities; human rights; and exploitation.
ICS283S - Death, Burial, and Justice in the Americas

Subject: ICS  
Catalog Number: 283S  
Title: Death, Burial, and Justice in the Americas

Description:  
This interdisciplinary course explores the phenomenon of necroviolence: attacks on the dignity, integrity, and memory of the dead. Cases come from the United States, Latin America, and Canada. Topics include the rights of the dead, cultural attitudes towards the dead, and the 'ambiguous loss' experienced by loved ones of the disappeared. We also explore the activism of family members, volunteer cemetery reclamation groups, and forensic scientists who exhume mass graves to identify bodies. Students will interact with guest speakers, spend time in a local African American cemetery with ties to Duke, and do community work and research on behalf of the marginalized dead.

ICS285S - Modern Jewish Identities: Between Eastern Europe and the United States

Subject: ICS  
Catalog Number: 285S  
Title: Modern Jewish Identities: Between Eastern Europe and the United States

Description:  
Drawing on documentaries, historical fiction films, autobiographies and memoirs, this course explores how the diverse spectrum of Ashkenazi Jews living in the Russian empire and then Poland from 1900-1939 conceived of their identities as Jews and how their identities may have altered once they emigrated to the United States. After the Shoah, we examine how Jewish emigrants to the US and those Jews and their descendants who remained in postwar Poland/Ukraine sought contact with each other in attempts to rethink what it means to be a post-Holocaust Jew in their respective contexts and in dialogue with each other.

ICS286 - Introduction to Asian American and Diaspora Studies

Subject: ICS  
Catalog Number: 286  
Title: Introduction to Asian American and Diaspora Studies

Description:  
What does it mean to be Asian American? Asian American Studies is an interdisciplinary field that draws on social sciences, humanities, and the arts to explore the historical and contemporary experiences of Asian Americans in the western hemisphere. This course provides students with an introduction to this dynamic and growing field of study, taking race, gender, immigration, diaspora, class, labor, and sexuality as primary subjects of the field. The course also historicizes Asian American racialization to better understand the structural forces that have shaped Asian American lives and the ways that writers, scholars, and activists have responded to and resisted these forces.

ICS287 - History of the World Wars

Subject: ICS  
Catalog Number: 287  
Title: History of the World Wars

Description:  
An examination of the origins, course, and consequences of the world wars of twentieth century. Close attention is paid to impact of warfare on society and the ensuing moral and political controversies.
ICS288S - Trauma and Nostalgia: East European Film in the 21st Century

Subject: ICS
Catalog Number: 288S
Title: Trauma and Nostalgia: East European Film in the 21st Century

Description:
Examines the major thematic focus of East European filmmakers in the 21st century: their efforts to reconstruct and reassess the experience of the Cold War (1945-1989) and the Yugoslav wars (1991-1995). These films from the Czech Republic, Hungary, Poland, Romania, Croatia, and Serbia include ironic/sentimental tales of Cold War childhood, thrillers about sleeping with the enemy (political informers), and psychological dramas centering on political trauma, resistance, and compromise. All films shown with English subtitles.

ICS289S - Nationalism and Exile

Subject: ICS
Catalog Number: 289S
Title: Nationalism and Exile

Description:
The dilemmas confronting Russian and European exiles in the nineteenth and twentieth centuries in the context of nation-state identities. Focuses on political and literary exiles forced from their native countries. Central to the study is the role of the modern nation-state, from whose boundaries the exiles were expelled.

ICS290 - Selected Topics in International Comparative Studies

Subject: ICS
Catalog Number: 290
Title: Selected Topics in International Comparative Studies

Description:
Topics vary from semester to semester, focusing either on specific world regions or particular comparative/global issues.

ICS290FS - Selected Topics: International Comparative Studies Program (Focus)

Subject: ICS
Catalog Number: 290FS
Title: Selected Topics: International Comparative Studies Program (Focus)

Description:
Topics vary, focusing either on specific world regions or particular comparative/global issues. Open only to students in the Focus Program.

ICS290S - Selected Topics in International Comparative Studies

Subject: ICS
Catalog Number: 290S
Title: Selected Topics in International Comparative Studies

Description:
Seminar version of International Comparative Studies 290.

ICS294 - Religion and Race

Subject: ICS
Catalog Number: 294
Title: Religion and Race

Description:
Discussion of various ways in which ‘race’ has been defined and constructed in recent centuries using categories from biology, sociology, philosophy, genetics, anthropology, etc. Examines how religious traditions and practitioners have actively sought both to eliminate race and have been complicit in maintaining and defending it. Special focus on Judaism, Christianity, and Islam in the modern period.
ICS295 - Global Narratives of Illness and Disability

Subject: ICS
Catalog Number: 295
Title: Global Narratives of Illness and Disability

Description:
The humanities help us learn more about the global experiences of people living with illness and disability. Using a global health humanities approach, we study illness and disability through biography, poetry, blogs, and art created by patients, families, friends, doctors, and caregivers. We look beyond data to find meaning through documentaries, theories of representation, and illness narratives. We explore different illness experiences, such as HIV/AIDS and Ebola; different disabilities, such as physical and cognitive; different gender identities and ages; and different locations, such as South Africa, West Africa, Papua New Guinea, Brazil, Haiti, and rural and urban USA.

ICS297S - Cross-Cultural Encounters

Subject: ICS
Catalog Number: 297S
Title: Cross-Cultural Encounters

Description:
The dynamics of cross-cultural interaction have actively shaped the world for many centuries now. This class explores some of the religious, social, and economic forces that fostered increasingly global contacts in history. In particular, it examines how centrally located and cosmopolitan Muslims played a critical role in connecting people of far-flung regions, cultures, and religions with one another. It surveys the myriad encounters of Muslims, Buddhists, Confucianists, Hindus, Jews, Christians and more across Afro-Eurasia and into the Americas. How did religious networks, processes and events foster historic exchanges of ideas, practices, and commodities across the world?

ICS299 - Ethics of Global Infectious Disease Control

Subject: ICS
Catalog Number: 299
Title: Ethics of Global Infectious Disease Control

Description:
Examination of the role of ethical decision-making when controlling infectious disease epidemics. Applies classic public health ethics of balancing individual liberty vs. public good to the new global health context of emerging infectious diseases such as HIV/AIDS, Ebola, and SARS, plus re-emerging infectious diseases such as multidrug-resistant TB, polio, and cholera. Explores questions of resource allocation, mandatory or voluntary prevention measures, and ethical obligations of health care workers vs. responsibilities of individuals in the context of new global public health. Prior global health coursework recommended.

ICS302 - Global Chinese Cities through Literature and Film

Subject: ICS
Catalog Number: 302
Title: Global Chinese Cities through Literature and Film

Description:
Modern Chinese cities in and beyond China, particularly as represented in literature and film. Considers city as object of cultural representation, as well as an engine of cultural production. Examines themes of modernization, alienation, nostalgia, migration, labor, and commoditization, and rethinks the very notion of 'Chineseness' within an increasingly globalized world. Featured cities include Beijing, Shanghai, Hong Kong, Taipei, and New York.
### ICS305 - History of International Financial and Monetary Crises

**Subject** | ICS | **Catalog Number** | 305 | **Title** | History of International Financial and Monetary Crises

**Description**

Course examines monetary/financial crises plaguing world since 16th century. Analyzes origin, unfolding, and impact of crises, debates generated by them, and formulation/implementation of policy measures. Attention to international implications/connections on European/Asian money supply, banking/credit systems; reaction to South Sea Bubble and John Law Credit Systems in numerous European nations; experiments with paper money in America; rise/demise of gold standard in 19th/20th century; currency and exchange rate problems of last three decades. Case studies will be selected and assigned according to participants’ interests. Prerequisite: Economics 201D and 210D.

### ICS306 - Africa and Arabia: Cultures, Communities, and Connections

**Subject** | ICS | **Catalog Number** | 306 | **Title** | Africa and Arabia: Cultures, Communities, and Connections

**Description**

Explores communities, cultures, and connections between Africa and Arabia; Provides concepts and theories on human mobility and interconnectedness in the contexts of the two regional; Examines displacement, migration within and emigration from the two regions, and areas of collaboration and contention in the globalized world; Examines themes of religious terrorism, language, music, and narratives against European colonialism; Explores different intellectual platforms such as political biographies, films, guest experts etc; Interview partners in Egypt, Morocco and Senegal on related intercultural issues and politics.

### ICS307S - Political Economy of Financial Crises

**Subject** | ICS | **Catalog Number** | 307S | **Title** | Political Economy of Financial Crises

**Description**

Exploration of the political economy of financial crises with central theoretical emphasis on the role of ideas, institutions, and interests. Addresses causes of banking, currency and debt crises as well as their political consequences—both national and international. Geographical and historical coverage will be relatively broad, spanning historical cycles of financial crisis as well as specific boom and bust episodes involving Latin America, Asia, the United States, and countries of the Eurozone.

### ICS308 - Development and Africa

**Subject** | ICS | **Catalog Number** | 308 | **Title** | Development and Africa

**Description**

Addresses the vexed issue of economic development in Africa - its many failures, its occasional successes - from the early colonial period to the present. Focuses especially on the transition from the 1960s ‘modernizing’ moment to the millennium projects and humanitarian aid of the present. Will read the works of development experts, World Bank executives, anthropologists and historians, asking why this massively financed project has experienced such failure and exploring what can be done.
ICS309S - Dancing States of Mind: The Self, Social and Political Practice of Dance

**Subject**: ICS

**Catalog Number**: 309S

**Title**: Dancing States of Mind: The Self, Social and Political Practice of Dance

**Description**
Practice-based studio work, discussion, and readings in current political discourse, System Theory, contemporary philosophy and cultural theory. Reveals the culturally constructed nature of dance in Western society - its manner of production, dissemination and aesthetics - and examines the consequences of 'the cultured flesh' as a mode of propaganda. The cultivation of students' radically subjective creativity, artistic experimentation, awareness, perception and expression, in order to understand and challenge the status quo; and to integrate abstract concepts into one's own physical existence and redefine assumptions by moving right through them.

ICS310S - Imagining Human Rights: Science Fiction, Culture, and the Creation of Rights

**Subject**: ICS

**Catalog Number**: 310S

**Title**: Imagining Human Rights: Science Fiction, Culture, and the Creation of Rights

**Description**
This course engages students in the intersection of speculative fiction and the history of ideas about human rights and what it means to be human. Using interdisciplinary tools, including history, anthropology, and public policy, students will explore created worlds and new ways of thinking about what rights humans—and other beings—have, how those rights are proposed, and what happens when those rights are contested. The course focuses on how the imaginary influences or presages the real, allowing us to experiment with what-ifs. Students will work in Duke's Locus Archives of primary documents on 20th-century science fiction spanning writers from China, the USSR., and Japan.

ICS311S - Poetic Cinema

**Subject**: ICS

**Catalog Number**: 311S

**Title**: Poetic Cinema

**Description**
Inquiry into sources of 'resonance' in international cinema with emphasis on films from Asia and the Middle East. The object of the course is to attempt a description of aspects of film construction which conduce to intense experience for viewers. Readings in indigenous aesthetics.

ICS312 - Europe's Colonial Encounter, 1492-1992: Political Economy and International Thought

**Subject**: ICS

**Catalog Number**: 312

**Title**: Europe's Colonial Encounter, 1492-1992: Political Economy and International Thought

**Description**
The impact of colonial expansion on European economic development, political culture, international thought, and popular identity from the 'age of discovery' through the present. Particular attention to the ethical implications of colonialism's influence on Western 'civilization.'
ICS314S - Doing Global Research: Ethics, Methods, and Impact

Subject: ICS
Catalog Number: 314S
Title: Doing Global Research: Ethics, Methods, and Impact

Description
Introduces students to interdisciplinary research methods and theories to conduct global research. Students build on concepts foundational to global studies by reading about and practicing a variety of research methods including archival and oral history, interviews, mapping, textual analysis, and ethnography. Texts, discussions, and projects focus on theoretical frameworks engaging politics of research, approaching global research from below, reaching underrepresented populations and social groups, exploring connections between power and knowledge, nontraditional and creative formats for research. Course examines how interdisciplinary research can expand traditional fields.

ICS316 - East Africa and the World

Subject: ICS
Catalog Number: 316
Title: East Africa and the World

Description
An interconnected history of East Africa and the many places linked to the region by trade, migration, and politics. Using archival, oral, and artistic source materials, considers how East Africans' lives have been shaped by mobility, from the dhow trade of the Indian Ocean, to the commercial hustle of contemporary Guangzhou and Dubai. Analyzes how ideas about race, class, gender, and sex changed over time in this complex setting.

ICS317S - Business and Human Rights Advocacy Lab

Subject: ICS
Catalog Number: 317S
Title: Business and Human Rights Advocacy Lab

Description
An exploration of human rights advocacy from a legal, political science and comparative perspective. Will focus on issues related to corporate accountability. A core component of the course will include a human rights 'lab' in which students work in teams on policy-oriented projects, potentially in collaboration with community partners.

ICS318 - Visualizing the Caribbean

Subject: ICS
Catalog Number: 318
Title: Visualizing the Caribbean

Description
Art (paintings, installations, performance art) and film on the Caribbean offer vantage points for analyzing alternative ways through which the region has been thought, imagined and produced. They are periodized semiotic productions that feed into and are marked by perspectives that are at once global, national, and even personal. Considering the constitutive contexts of these productions and performances, we will attempt to glean the diverse perspectives, and the way these have influenced sociocultural policy and offer alternative interpretations of diasporic lifeways of Caribbean people.
ICS319 - The Modern Caribbean after Emancipation

Subject: ICS  
Catalog Number: 319  
Title: The Modern Caribbean after Emancipation

Description: Focus on the Caribbean region as it transitioned from a collection of slave and colonial societies into a region of postcolonial and independent nations. Topics may include: postemancipation political and cultural struggles, pan-Africanism and Rastafarianism, nationalist and anticolonial movements, American economic and political influence in the region, Caribbean emigration to Europe and the United States, and global spread of Caribbean culture.

ICS320S - Social Movements and Social Media

Subject: ICS  
Catalog Number: 320S  
Title: Social Movements and Social Media

Description: Examines uses and abuses of social media by social movements. Interested in a broader historical study of mediating technologies and oppositional public sphere, course considers the uses of cameras, phones, cassette players, radio, and social media platforms, but also books, bodies, art, fashion, and automobiles as oppositional technologies. Studies political and ethical uses of technologies in social unrest. Investigates impact of technologies on social movements and social transformations in contemporary history. Student driven case studies will highlight contemporary engagement with social media by networked social movements.

ICS321S - Manger: Foodways and Food Systems

Subject: ICS  
Catalog Number: 321S  
Title: Manger: Foodways and Food Systems

Description: This course seeks to deepen our understanding of foodways and food systems, and of the roles that nourishment and nourishers play in our lives, while regenerating connections with food practices and food creators through the study of global French narratives, scholarships on foodways and foodscape, and hands-on, in-person experiences with nourishers in our local community. A strong emphasis on experiential learning, including community engagement in systems of food access and production as well as work with chefs and farmers, and the study of French-language narrative, culinary, scholarly, journalistic writing, and other cultural documents.

ICS321SA - Manger: Food and Food Systems in the French-Speaking World

Subject: ICS  
Catalog Number: 321SA  
Title: Manger: Food and Food Systems in the French-Speaking World

Description: An exploration of our relationship with food and its cultural and societal roles in French-speaking countries, from French gastronomy to the historical and economic influences that have determined our current systems of food production, what effects those systems have on immigration, equity, and climate, and the movements that seek to bring about changes in the ways people produce and consume food. A strong emphasis on experiential learning, including community engagement in systems of food access and production, as well as work with chefs and the study of French-language narrative, culinary, scholarly, and journalistic writing and other cultural documents. Recommended prerequisite: French 204 or equivalent.
ICS324 - International Law and International Institutions

Description
The relationship between international politics and international law; how international institutions operate and affect social practices, and how legalization of institutions changes the manner of interpretation of legal texts. The nature of legal and political discourse over issues subject to international law such as human rights; issues of compliance with rules, the connections between international relations and domestic law, and the overall effects of international law and institutions on world politics; cross-national differences in attitudes toward issues such as environmental regulation, trade liberalization, and military intervention on behalf of human rights. Prerequisite: Political Science 160 or equivalent.

ICS325 - Culture and Politics in Latin America

Description
Key themes in Latin American societies, including art, literature, history, violence and human rights, economic development, and rebellion and revolution.

ICS326 - Colonial Latin America

Description
The pre-Columbian cultures, European conquest and its effects on the Amerindian peoples, and development of the Spanish and Portuguese Empires to the wars of independence with special emphasis upon colonial institutions and socioeconomic developments. Not open to students who have taken History 174.

ICS328 - Anthropology of Money

Description
We will explore the history and theory of money – what it represents, how it circulates, the meanings it carries, its contemporary transformations – not only in the West but also in the global south. Some of the topics to be considered include shell currencies, gift economies, Ponzi schemes, paperless money, derivatives and futures, hedge funds, and global debt.

ICS329 - Latin America Since Independence

Description
A survey of nineteenth- and twentieth-century economic, social, and cultural change.

ICS329S - Politics in Violence

Description
Exploration of the role of violence in politics. What is the role of violence in the formation and consolidation of states? What is the relationship between violence and political regimes? In-depth analysis of the varieties of political violence in contemporary world: terrorism, coups, riots, wars, protest violence, revolutions. Combination of theoretical analysis and empirical exploration of cases. Exploration of non-violent forms of resistance and protest. Reading responses and final research paper required.
### ICS330S - Narratives of Migration

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<td>ICS</td>
<td>330S</td>
<td>Narratives of Migration</td>
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**Description**

Stories of migration captivate us because they touch on universally important themes: home, family, belonging, identity, pain, loss. In this course, we will explore narratives, or stories, of migration, as told by refugees and immigrants from across the world, through different media: written, spoken, photographed, and constructed digitally on social media. This course approaches narratives of migration primarily from the perspective of sociocultural linguistics and discourse analysis, but we will refer to other scholarly traditions as well. This is a Service-Learning course: students will engage in a mentoring relationship with an immigrant student in a Durham high school.

### ICS331S - Islamic Media

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**Description**

How contemporary technologies reawaken the sense of the sacred in daily life, rather than destroy it. How technologies new and old circulate the Word in its multiple incarnations, but also cultivate modes of communal identification. How Islamic media transform the social and political landscape, as well as the way we see/feel/perceive the world. How religion has been intensified, diversified, and inflected by the information age. How this media constitutes the very experience of religion. Film, video, digital media, satellite television, social media, print media, audiocassettes, radio, music.

### ICS332S - Global Displacement: Voix Francophones

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**Description**

Explores migration and resettlement of Francophone refugees in North America through examination of current policy, law, and practice. Analysis of personal interviews and narratives with attention to ethical questions related to politics of listening to and speaking for other communities. Community-based language component (20 hours) engages students with refugee community in Durham. Conducted in French. Recommended prerequisite: one course at 300-level or equivalent.

### ICS333S - Storyworlds: The Art, Technology, and Pleasure of Narrative

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**Description**

Is 'tell me a story' an universal imperative? Seminar examines storytelling practices across a broad span of histories and cultures, and the creation of storyworlds through multiple media, genres, and platforms. Topics include comparative oral traditions, Medieval story cycles, serial tales, textual poaching and fanfic, alternate reality gameworlds (ARG), social media, transmedia storytelling and transcultural fandoms.
ICS334 - Globalization of Democracy

Subject: ICS  
Catalog Number: 334  
Title: Globalization of Democracy

Description
The past three decades have witnessed an unprecedented upsurge in democratic forms of rule in Asia, Africa, Eastern Europe, Latin America, and Middle East. Course explores reasons for this global pattern of political change, analyzes the process of political transition in a variety of empirical settings, and provides comparative perspective on challenges facing political leaders in new democracies.

ICS335S - Decolonization: Histories, Meanings, Struggles

Subject: ICS  
Catalog Number: 335S  
Title: Decolonization: Histories, Meanings, Struggles

Description
This course explores decolonization as an historical event, a category of theoretical analysis, and a series of contemporary social movements. Course material will introduce students to the history of decolonization as both idea and event, putting global anti-colonial movements of the twentieth century into conversation with contemporary struggles for the decolonization of occupied land, institutions, and epistemologies. This interdisciplinary course draws on work in history, geography, anthropology, women's studies, and postcolonial and decolonial Studies. Students will also read and research manifestos, memoirs, archival documents, documentary films, oral histories, and museum exhibits.

ICS336 - Chinatowns: A Cultural History

Subject: ICS  
Catalog Number: 336  
Title: Chinatowns: A Cultural History

Description
Explores the intersection of space and ethnicity through the myriad ways Chinatown has circulated as memory, fantasy, narrative, myth, in the dominant cultural imagination, and how lived realities of overseas Chinese communities, Asian American history, and changing conceptions of 'Chineseness' have productively engaged with real and phantom Chinatowns. Research will emphasize multi-disciplinary approaches, such as urban history, architecture, ethnography, economics; or engagement in a creative project.

ICS337 - Hollywood and Africa: Case Studies in Filmic Representation

Subject: ICS  
Catalog Number: 337  
Title: Hollywood and Africa: Case Studies in Filmic Representation

Description
This course on Hollywood films about Africa—from classics such as 'African Queen' (East Africa), 'Tarzan' (Equatorial Africa) and 'Out of Africa' (Kenya) to recent productions such as 'Blood Diamond' (Sierra Leone), 'The Last King of Scotland' (Uganda), 'Lord of War' (arms trade), 'The Constant Gardner' (Kenya) and 'Black Hawk Down' (Somalia)—will tack back and forth between filmic representation and case study, using the latter to critique the former. As contrastive material, the class will also draw on non-Hollywood films about Africa, for example 'Hotel Rwanda' (Rwanda) or 'Lumumba' (DRC).
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<td>ICS340</td>
<td>North American Environmental History</td>
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<td>ICS344S</td>
<td>Our Culinary Cultures</td>
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<td>ICS345S</td>
<td>Turkish History through the Novels of Orhan Pamuk</td>
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<td>ICS346S</td>
<td>Illiberal Nondemocracies: Focus on Eastern Europe and Asia</td>
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**ICS340 - North American Environmental History**

**Subject**
ICS

**Catalog Number**
340

**Title**
North American Environmental History

**Description**
Historical roles of nature—as a cultural construct and a set of biological relationships—in shaping human choices in North America, from colonial times to the present. Special attention to historical origins of contemporary environmental politics, including the origins of wilderness; environmental justice movements; the changing politics of food, animal rights, and pollution; and tragedies of the commons, and the ethical challenges posed by global warming and population growth.

**ICS344S - Our Culinary Cultures**

**Subject**
ICS

**Catalog Number**
344S

**Title**
Our Culinary Cultures

**Description**
Documentary approach to the world of food using fieldwork research. Topics of food and its preparation examined through deep stories of how food is raised, prepared, and presented in order to explore how the myriad ways in which what we eat reveal key biographical, economic, religious, and other truths about our cultures. Introduces students to the history of food writing and the concept of food in general as a nonverbal tool of communication. Photography, audio, and documentary writing employed.

**ICS345S - Turkish History through the Novels of Orhan Pamuk**

**Subject**
ICS

**Catalog Number**
345S

**Title**
Turkish History through the Novels of Orhan Pamuk

**Description**
An introduction into Turkish history (including the Ottoman Empire) through a comparative study of the historical novels and nonfiction of Nobel Laureate Orhan Pamuk. Addresses Pamuk’s role as an intellectual-author who mediates between Islamic culture, secular modernity, the Turkish national tradition and an international canon of literature. Political implications of Sufism, cultural revolution, Orientalism, and post-colonialism. Secondary focus on representations of cosmopolitan Istanbul, political Islam and the military coup. Taught in English.

**ICS346S - Illiberal Nondemocracies: Focus on Eastern Europe and Asia**

**Subject**
ICS

**Catalog Number**
346S

**Title**
Illiberal Nondemocracies: Focus on Eastern Europe and Asia

**Description**
As of 2016, only 11% of the countries in the world are liberal democracies. Some insight about how illiberal regimes function is a must to understand what is going on in the world. In this course, we explore illiberal and/or nondemocratic regimes of Eastern Europe and Asia—a perfect laboratory for the subject. We develop nuanced ideas about key concepts such as elections, representation, party rule, dictatorship, populism, paternalism, authoritarianism, and totalitarianism as well as the dilemmas of freedom, security, corruption, and development. We study the regimes of countries such as Hungary, Russia, Turkey, China and follow the news to see how political regimes evolve in real time.
ICS347S - Islam, Medicine, and Healing

Description
This course explores the global history of Islamic medicine and healing through the intersections of religion and medicine in multiple contexts. It investigates how questions of health, healing, and illness have been addressed across premodern patterns, colonial and post-colonial transitions, up to the present. Students will examine how different approaches to spirituality, law, and science congeal and compete in relation to the human body, animals, food, pharmaceuticals, medicine, and hospitals. Through considering traditional healing practices to contemporary bioethics, this class analyzes how religion and medicine have been constituted, lived, and experienced around the world.

ICS348 - Gender in the Economy

Description
Economics of gender including the status of women in the labor market; feminist economic theories; ethical considerations of gender-based inequalities; gendered division of labor within the family and between the household and labor market. Comparisons of women's status across different cultures and geographic areas; gender-related measurements and indicators; explanations and remedies for female/male occupational segregation and wage differentials. Prerequisite: Economics 201D.

ICS349 - Global Health Ethics in Research

Description
Introduces ethical and human rights concepts in Global Health and current issues in health ethics. Explores how to understand and engage in ethical health service, intervention, research and education. Requires students analyze and critique ethical choices of individuals, policy-makers and health workers. Explores standards of care, access to care, best outcomes vs. distributed justice. Focuses on ethics related to infectious diseases; obesity, alcohol and tobacco; and environmental health.

ICS350 - International Political Economy

Description
Examination of the politics of international economic relations from the perspective of both advanced industrialized and developing countries. Focus on international trade; money and finance; multinational corporations and global value chains; foreign aid and the politics of development; distributional consequences of economic globalization; and the role of power and institutions in the governance of world economy.

ICS351S - Racial Justice in the 20th Century US and South Africa

Description
This course uses a comparative framework to assess race in two societies founded on premises of racial inequality: South Africa and the United States. We will explore some of the social, cultural and political exchanges that have taken place between African Americans and Black South Africans over the course of the twentieth century. Additional topics include segregation, twentieth century struggles for civil rights/liberation, the American anti-apartheid movement, and the possibilities for restitution.

ICS352 - History of Photography, 1839 to the Present

Description
Major artists and movements in the history of the photographic medium, including visual and critical traditions inherited and manipulated by photographers, the ways photography participated in nineteenth- and twentieth-century art movements as well as documentation and social change, and critical photographic discourse throughout this period. Topics include the invention of photography, 'Art' photography and documentary photography in the nineteenth century, pictorialism, 'straight' and purist photography, photography and modernist art movements (dada, surrealism, Bauhaus, Russian avant-garde), twentieth-century documentary, and photography of the 1950s, 1960s, 1970s, 1980s, and 1990s.
ICS353 - Life and Death: Global Perspectives

Subject: ICS
Catalog Number: 353
Title: Life and Death: Global Perspectives

Description: Anthropological investigation of customs, practices, and beliefs that get activated when people (and other living beings) die. What constitutes life as in when does it start, what determines well-being, how is it measured; and what constitutes death as in a good versus bad death, by what medical definition, and according to what rituals and beliefs. Comparative inquiry into such questions as why brain-death is not accepted in some cultures and why people in some places prefer to die rather than live after an amputation. Topics will include organ transplants, gang warfare, cancer, and warzones from China and Botswana to Mexico and the United States.

ICS354 - Political Economy of Latin America

Subject: ICS
Catalog Number: 354
Title: Political Economy of Latin America

Description: Study of interaction between politics and economies in Latin America with central emphasis on political correlates of alternative strategies of economic development, the impact of global economic forces on domestic policy choice, and interrelationships among political institutions, electoral choice, public policy, and economic performance. Topics include financial meltdowns, market-oriented reform, democratic transitions, ethnic mobilization, and rise of leftist-populism in the region. Readings will combine discussion of specific countries with broader theoretical literature addressing major debates in study of political economy of development.

ICS355S - Refugee Policy and Practice (DukeImmerse)

Subject: ICS
Catalog Number: 355S
Title: Refugee Policy and Practice (DukeImmerse)

Description: Uses current debates around refugee law and policy as the context in which to develop basic quantitative research design and analysis skills. Course may include data collection with resettled refugee locally and in Jordan and in Nepal. Only open to DukeImmerse students. Instructor consent required.

ICS357S - Globalization and Theater

Subject: ICS
Catalog Number: 357S
Title: Globalization and Theater

Description: This course surveys the various ways in which contemporary theatre has been created and circulated in a global context.

ICS358S - Race and Society: South Africa and the US, 1890-present

Subject: ICS
Catalog Number: 358S
Title: Race and Society: South Africa and the US, 1890-present

Description: Scholars, pundits and historical actors have long drawn parallels between the United States & South Africa-two countries founded on the premises of racial inequality. This course explores the machinations of race from the quickening of industrial development to present. We will consider the benefits and pitfalls of thinking comparatively. Topics include segregation, transatlantic cultural exchanges, living apartheid and Jim Crow, government surveillance of political opponents, the American anti-apartheid movement, mass incarceration and privatization of prisons, memory and the struggles for social change as well as the persistence of racial inequality in two country's contemporary societies.

ICS360S - Interpreting Bodies: Identity and Beyond

Subject: ICS
Catalog Number: 360S
Title: Interpreting Bodies: Identity and Beyond

Description: How the body has come to define the human in language, law, science, politics and economics. The body's relation to identity and subjectivity. The representation of the body in particular cultural discourses and the social history and dynamic in which that representation has taken place.
ICS361 - Violent Jihad in the Twentieth Century - A Global History

Subject: ICS
Catalog Number: 361
Title: Violent Jihad in the Twentieth Century - A Global History

Description:
This course focuses on the history of Muslim groups and social movements which are often regarded as politically fundamentalists or radical in the twentieth-century Middle East. We shall critically survey the intellectual origins of radical ideologies, the social history of the 'Muslim Brotherhood' in Egypt and Syria, the politics of Saudi Arabia, the rise of Hezbollah, the question of the caliphate, the interaction between foreign intervention and the approval of violence as a legitimate means in politics, a history of al-Qaeda, and finally of what we know about ISIS.

ICS362A - Religion, Security and Global Citizenship in the Arab World

Subject: ICS
Catalog Number: 362A
Title: Religion, Security and Global Citizenship in the Arab World

Description:
Examine how the Arab world is embodied in the global or world system of the 21st century. Learn the specific accents that inform its citizens and shape its prospects locally, regionally and internationally. Examine how the major Abrahamic traditions - Judaism, Christianity and Islam - had their historical origins in the eastern Mediterranean world, and how they continue to have adherents that populate the region and challenge the modern notion of citizenship. Explore how the current uprising reflects the challenges of reconciling local aspirations with global forces. STUDY ABROAD: Duke in the Arab World Summer 2012

ICS364 - France and Africa: The Politics and Culture of (Post-)Coloniality

Subject: ICS
Catalog Number: 364
Title: France and Africa: The Politics and Culture of (Post-)Coloniality

Description:
Examination of the Franco-African relationship over time, from the four 'communes' in Senegal to the present, through a political but also broader cultural lens. France's colonial doctrine and practices, African resistance and collaboration, 'la francophonie' and the postcolonial 'Françafrique' are analyzed as well as collective imaginaries on either side and how they shaped each other in literature, film, the social sciences or everyday life. The course is taught in English but a preceptorial class in French is offered in addition so that students can meet the requirement for their major or minor in French. Newcomers to Africa are welcome.

ICS365S - Muslim Women Across the Ages

Subject: ICS
Catalog Number: 365S
Title: Muslim Women Across the Ages

Description:
This course explores the diverse realities of Muslim women's lives, from the origins of Islam to the present, through autobiographical and biographical accounts situated in their social, economic, political, and cultural contexts. The women we will encounter through textual and audiovisual materials represent a wide range of personal backgrounds, including scholars, mystics, merchants, philanthropists, poets, slavegirls, feminists, and Islamists. We will metaphorically travel across the globe and time to understand the multifarious facets of Muslim women's lived experiences.
ICS370S - Islam in Asia

Subject: ICS
Catalog Number: 370S
Title: Islam in Asia

Description
Focus on the northern tier of Muslim-inhabited lands. The early spread of Islam among continental Asia's non-Arab peoples. The evolution of Muslim religious and cultural institutions under Mongol, Central Asian, Russian and Chinese empires. Asian Muslim encounters with European modernity and experience of Muslims under and after Soviet/Chinese socialist regimes.

ICS369 - Global Apple: Life and Death and the Digital Revolution

Subject: ICS
Catalog Number: 369
Title: Global Apple: Life and Death and the Digital Revolution

Description
Examination of the Apple Corporation's development from a Silicon Valley garage operation to a company with unprecedented global reach; the Cult of Steve Jobs, the Apple Launch and use the design and development of the Apple Store; labor and environmental struggles over Apple supply chain and production processes, from cobalt mining in Africa to Foxconn factories in China; migrant worker suicide and poetry as forms of protest in China; e-waste villages and digital rubbish; everyday uses of Apple technology and the ethics of consuming Apple products.

ICS367 - Gender and Political Theory

Subject: ICS
Catalog Number: 367
Title: Gender and Political Theory

Description
Feminist analyses of and engagements with some of the canonical texts and traditional concepts of Western political theory. Feminist contributions to, challenges to, and revisions of the terms of key conceptual and political debates in political theory.
ICS371 - Reimagining the World Together: Why Friendship Matters for Our Future

Description
Explores friendship and why it matters in the frenzied world of 'likes' and 'swipes.' The average Facebook user has 155 friends. Instagram added a 'Close Friends' feature to distinguish friends from followers. Social media has weakened our sense of friendship. Still, Facebook users say that, of those 155 friends, they would trust only four in a crisis. Pursues the importance of friendship, not only as a place of private refuge but as a relationship of trust that facilitates insight and innovation and that has public purchase. Classes center on conversations between pairs of friends who bring their friendship, their work, and their imaginations to bear on the shape of the world in the future.

ICS373S - Between Moscow, Beijing and Delhi: Narratives of Europe and Asia

Description
Exercise in reconstructing Eurasian history from the 13th century Mongol invasions to post-Soviet era through critical reading of eyewitness accounts—travel notes and memoirs. Reflects on political, religious, and cultural evolution, expansion, and rivalry as well as cross-cultural and trans-regional exchange.

ICS374S - Urban Yiddish Culture: The Urban Imagination in Yiddish Culture from Warsaw to Buenos Aires

Description
This course offers a panoramic view of Yiddish culture in the twentieth century through a focus on the diverse cities inhabited by its audiences and creators across Europe and the Americas. Each week we will encounter a new city through the eyes of a novelist or poet, filmmaker, musician or visual artist. As we proceed from the turn of the twentieth century to the post-Holocaust era, we will consider the broad aesthetic and ideological tendencies that inform representations of urban Jewish life in Yiddish, English, Spanish and other languages while also charting an ever-expanding geography including Buenos Aires, Mexico City and Rio de Janeiro. All material in English.

ICS375S - Art and Activism: Manifestos, Revolutions, and the Avant-gardes

Description
Discussion-based seminar and survey of the literature of manifestos and their role in revolutionary and avant-garde traditions of thought from the mid-19th century to the present. Topics covered include: connections between literary forms and political activism; history of modern revolutionary movements and their impacts on intellectual and artistic production; contemporary developments in manifesto writing in a global context. Sample movements include Communism, Surrealism, Anti-Fascism, Black Power, Feminism, Environmentalism. Final project: students undertake an independent research project and write their own manifestos on a topic of their choosing. Taught entirely in English.
ICS376S - Language & Identity: How We Construct Identities and Reproduce Social Hierarchies Through Language

**Description**
Language is a central and pervasive feature of human identity through which we portray ourselves and negotiate social identities. With such practices we re/produce values, norms, social hierarchies, and the privilege these entail. Using examples from media, literature, and ethnographic data we will explore how speakers negotiate social identities through language and how ideas about it inform our understanding and interpretation of society and speakers within it. Topics include language, racism, gender, sexuality, class, ethnicity and ways that language and discourse construct and maintain a sense of belonging, otherness, truth, and value. Not open to students who have taken Romance Studies 207FS.

ICS377 - Contemporary Novel

**Description**
Major trends in fiction since 1950: modernism/postmodernism, ethnicity and ethnic identity, feminism, postcoloniality, genre-bending, and more. Readings from the United States and from Great Britain, India, Canada, South Africa, and the Caribbean. Satisfies Area III for English majors.

ICS377S - Contemporary Novel

**Description**
Seminar version of English 377.

ICS379 - Emerging Markets: Finance, Trade, Institutions and the World Economy

**Description**
Analyzes rise of emerging markets/economies and their new role in the context of global economy. Focus on post-1970s growth of countries such as China, India, South Korea, Chile, Mexico, and Brazil (and/or other countries according to students' interests) with particular emphasis on financial, industrial/trading and institutional aspects, linking such rise to the emergence of vast global economic imbalances and new trend in capital and trade flows of the last decade. Explores economic and policy challenges these countries and their companies increasingly face and implications for the world economy. Prerequisite: Economics 201D and 210D.
ICS380S - Islamic Mysticism
Subject: ICS
Catalog Number: 380S
Title: Islamic Mysticism
Description:
The course introduces the history and key concepts of Islamic spirituality through the lives, writings, institutions, and influence of Muslim sages, ascetics, and saints across Africa, Europe, Asia, and the Americas. Critical topics include Sufi origins, psychology, healing, music, poetry, politics, and the aspiration to beautify one's self and society through connection with the Divine.

ICS382 - Race, Class, and Family in Contemporary Literature: Journeys, Generations, and Translations
Subject: ICS
Catalog Number: 382
Title: Race, Class, and Family in Contemporary Literature: Journeys, Generations, and Translations
Description:
An opportunity to study with the Somali-Italian author Igiaba Scego, this English-language course explores representations of race, class & families in contemporary fiction. The course has three parts: 1) Analysis of Scego's work, which is crucial to debates on migration, decolonization, racism, feminism & translation; 2) read Italian and Brazilian authors to examine the intersection of color and class that cross Italy & Brazil from the colonial period to today, including the journeys and interactions between parents, siblings; 3) discussion of Scego's just-translated 'The Color Line,' which moves between the U.S., Italy, and Somalia, & final projects.

ICS383 - The Actress: Celebrity and the Woman
Subject: ICS
Catalog Number: 383
Title: The Actress: Celebrity and the Woman
Description:
Explores through fiction, film, autobiographies, and biographies the significance and influence of the actress (on stage and screen) from the eighteenth century to present day. Highlighted topics: actress's self-image and perception of her art; relationship between her public profession and private life; how she reflects/sets contemporary standards for beauty and lifestyle; how she provokes public debate over women's 'appropriate' sexual, familial, professional, and public roles; her function as symbol/role model for her gender, race, nation. Includes Sarah Bernhardt's memoirs, Chekhov's The Seagull, Susan Sontag's In America, films All About Eve and Mommie Dearest. Taught in English.

ICS388S - Global South Asia: History and Culture of Diaspora
Subject: ICS
Catalog Number: 388S
Title: Global South Asia: History and Culture of Diaspora
Description:
This course examines the making of South Asia (Afghanistan, Bangladesh, India, Myanmar, Pakistan, and Sri Lanka) as a global space from the early 20th-century until today. In addition to an examination of the region, course material will also address the South Asian Diaspora, particularly throughout Australia, East Africa, Southern Africa, Canada, the Caribbean, France, Germany, the United Kingdom, and the United States. Topics may include imperialism and decolonization; the making of postcolonial nation-states; migration, labor, and citizenship; and the global circulation of caste, class, religion, gender, and sexuality.
ICS390 - Selected Topics in International Comparative Studies

Subject: ICS
Catalog Number: 390
Title: Selected Topics in International Comparative Studies

Description:
Topics vary from semester to semester, focusing either on specific world regions or particular comparative/global issues.

ICS390A - Duke-Administered Study Abroad: Advanced Special Topics in International Comparative Studies

Subject: ICS
Catalog Number: 390A
Title: Duke-Administered Study Abroad: Advanced Special Topics in International Comparative Studies

Description:
Topics differ by section.

ICS390S - Selected Topics in International Comparative Studies

Subject: ICS
Catalog Number: 390S
Title: Selected Topics in International Comparative Studies

Description:
Topics vary from semester to semester, focusing either on specific world regions or particular comparative/global issues.

ICS390SA - Duke-Administered Study Abroad: Advanced Special Topics in International Comparative Studies

Subject: ICS
Catalog Number: 390SA
Title: Duke-Administered Study Abroad: Advanced Special Topics in International Comparative Studies

Description:
Topics differ by section.

ICS391 - Independent Study

Subject: ICS
Catalog Number: 391
Title: Independent Study

Description:
Individual non-research directed study in a field of special interest on a previously approved topic, under the supervision of a faculty member, resulting in an academic product. Consent of instructor and director of undergraduate studies required.

ICS392 - Independent Study

Subject: ICS
Catalog Number: 392
Title: Independent Study

Description:
Individual non-research directed study in a field of special interest on a previously approved topic, under the supervision of a faculty member, resulting in an academic product. Consent of instructor and director of undergraduate studies required.

ICS393 - Research Independent Study

Subject: ICS
Catalog Number: 393
Title: Research Independent Study

Description:
Individual research in a field of special interest under the supervision of a faculty member, the central goal of which is a substantive paper or written report containing significant analysis and interpretation of a previously approved topic. Consent of instructor and director of undergraduate studies required.

ICS394 - Research Independent Study

Subject: ICS
Catalog Number: 394
Title: Research Independent Study

Description:
Individual research in a field of special interest under the supervision of a faculty member, the central goal of which is a substantive paper or written report containing significant analysis and interpretation of a previously approved topic. Consent of instructor and director of undergraduate studies required.
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<tr>
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<td>ICS395</td>
<td>395</td>
<td>Language and Society</td>
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<td>Language in Immigrant America</td>
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<td>ICS397</td>
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<td>Global Health Ethics: Policy Choice as Value Conflict</td>
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<td>Global Russia</td>
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**ICS395 - Language and Society**

Course examines language as a social practice, focusing on different aspects of its role in social life. Topics addressed include: language and social identity, such as ethnicity, social class, age, and gender; variation in language, including dialects, accents, and registers; multilingualism and language contact; new languages such as pidgins and creoles; language, culture, and intercultural communication; language and ideology; language in education and in the media. Through the discussion of these topics and homework including reading and small research projects, students are introduced to key concepts, theories, and methods in sociolinguistics and linguistic anthropology.

**ICS396S - Language in Immigrant America**

Discussion of issues of language in the context of immigration in the United States, from the turn of the 20th century until the present, combining approaches from literature, memoirs, language policy, media studies, and linguistic anthropology. Some fieldwork in an immigrant community. Topics include: identity, assimilation, race, bilingual communities, bilingual education, foreign accents, language contact.

**ICS397 - Global Health Ethics: Policy Choice as Value Conflict**

The primary foci of this course are: the ethics of engagement with marginalized/stigmatized populations; understanding the influence of power dynamics; and understanding the ways in which policies create structures that limit abilities. Students explore the roots of their personal value systems and those of others, in an effort to understand causes of conflict and ethical missteps in global health engagement. Involves reading texts and coming to class ready to engage in conversations and activities related to the learning objectives. Weekly 5-question quizzes help to ensure that students come to class prepared to engage with the material.

**ICS397D - Global Health Ethics: Policy Choice as Value Conflict**

The primary foci of this course are: the ethics of engagement with marginalized/stigmatized populations; understanding the influence of power dynamics; and understanding the ways in which policies create structures that limit abilities. Students explore the roots of their personal value systems and those of others, in an effort to understand causes of conflict and ethical missteps in global health engagement. Involves reading texts and coming to class ready to engage in conversations and activities related to the learning objectives. Weekly 5-question quizzes help to ensure that students come to class prepared to engage with the material.

**ICS398S - Global Humanitarianism**

This course explores humanitarianism as both a global phenomenon and a western model for engaging with the world. It examines the cultural and political conditions that make it possible for some people to be saviors and others to require saving. It focuses on the ways humanitarian interventions are increasingly as much about alleviating poverty and supporting political change, as about responding to crises caused by health epidemics, conflict or war, and environmental disasters. We will pay close attention to the impacts of humanitarian interventions good and bad, while critically exploring how local agendas and conditions shape and respond to these programs.

**ICS399 - Global Russia**

This course will examine the process of globalization of Russian culture and institutions as manifested in political, economic, and legal institutions; religion; education; popular and academic cultural forms, including media and artistic texts, film, theatre and television; diplomacy; reproductive rights; health care; the role of censorship; views of citizenship, patriotism, and sport. We will evaluate the ethical issues, potential shift of cultural values, and their impact on 21st century Russian institutions.
### ICS399A - Global Russia

**Description**  
Globalization of Russian culture as manifested in popular/academic cultural forms, including political ideologies, media/artistic texts, film, theater/television, markets, educational/legal institutions, historical/contemporary social movements. Examination of ethical issues in context of such topics as the relationship between church and state; evolution of a totalitarian government into a democratic state; reproductive rights; struggle against corruption in education, finance, police; role of censorship; views of citizenship, patriotism, valor, and treason; historical perspectives on prison camps, abuses of psychiatry. Offered in the Duke in Russia Program. Instructor consent required.

### ICS404 - Globalization and Anti-Globalization

**Description**  
The politics and process of globalization in light of the responses, ideologies, and practices of the anti-globalization movement. Focus on the interrelationship between the analysis of globalization and policy formulation on such topics as social justice, labor, migration, poverty, natural resource management, and citizenship. Case studies from the United States, Latin America, South and East Asia, Africa, and Europe.

### ICS407S - Techno-Orientalism: Asian/America, (Post)Human and Science Fiction

**Description**  
Course examines global Science Fiction genres in literature, film, and social media as case studies to understand broad historical and social formations of Otherness, the Alien, Citizenship, (Im)migration. Studies racial assumptions in popular culture, domestic and international law, discourse of the human and human rights, science and technology industries, and other disciplines. Explores interdisciplinary intersections of race, gender, sexuality, class, and geopolitical divisions and interactions in Asian/American Studies and Postcolonial Studies from the past to the present.

### ICS410S - Trauma and Space in Asia

**Description**  
Space and Trauma across Asia. Introduces theoretical framework of 'trauma discourse;' examines how the experience of space in Asia broadly defined has shaped historical traumas, which have marked the transition from colonialism to postcolonialism. Focus on Israel/Palestine, India/Pakistan, China/Taiwan, Japan/Korea; examine how critical terms originating in one historico-geographical context are translated across geographical boundaries.
**ICS411S - Archiving and Visualizing Asia: Politics and Poetics of Knowledge Production**

**Subject**
ICS

**Catalog Number**
411S

**Title**
Archiving and Visualizing Asia: Politics and Poetics of Knowledge Production

**Description**
Engages students in the practices and theories of archiving, documenting and curating marginal histories. Hands-on research in the archives of Duke's Rubenstein Special Collections and elsewhere. Examines histories of movements and encounters between the 'West' and 'Asia.' Teaches original archival research and documentary methods through guided excavations in digital, audiovisual, and material resources. Directed readings and special guest lectures guide students on how to think critically on the theories and praxis of knowledge production, collection, documentation, circulation, and consumption. Students curate projects for final research assignment.

**ICS412S - Capstone Seminar - Globalization: Asia and Asian America**

**Subject**
ICS

**Catalog Number**
412S

**Title**
Capstone Seminar - Globalization: Asia and Asian America

**Description**
'Globalization': a shorthand for describing the period of extraordinary change that we are living through, our lives, and our worlds as defined by global connections, from the internet technologies and rapid mass communication to issues of mobilization for social justice. This course focuses on two main themes: global moments of common struggle against racism in Asian, Asian American, and African American contexts, and global manufacture and the ways in which the microprocessor chip technology has come to bind Asia, Africa, and America, with a special focus on women and Asian Americans in the IT sector.

**ICS413S - France-Asia: Cultural Transfers and Translations in a Globalized Context**

**Subject**
ICS

**Catalog Number**
413S

**Title**
France-Asia: Cultural Transfers and Translations in a Globalized Context

**Description**
This class explores the dynamic contemporary Franco-Asian dialogue with a specific focus on China, Japan, Vietnam, Laos and Cambodia. Seeking to go beyond the East-West divide, the seminar investigates the current stakes of this dialogue, given its growing complexity after 1945. It examines the postcolonial legacy of France's occupation of Indochina, and how East Asia has also often been viewed as an 'Other,' serving to crystallize French anxieties over political and cultural power. It uses an interdisciplinary perspective encompassing novels, cinema, dance, visual arts, and critical theory to trace a web of exchanges in a globalized context. Taught in French.

**ICS414S - Indigenous Americas**

**Subject**
ICS

**Catalog Number**
414S

**Title**
Indigenous Americas

**Description**
Explores histories, experiences, struggles, art, and philosophies of indigenous peoples in the Americas, meaning both Latin and North America. Acknowledging 500 years of genocidal practices, will focus on concepts of 'the good life' and the complex relations of the spiritual and the material. Roles of gender and sexuality within indigenous worlds and in the often violent relations with settler societies will be a special focus. Explore relations between past, present, and the future under burden of Anthropocene.
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<td>ICS</td>
<td>416S</td>
<td>Media and Conflict</td>
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**Description**
Focus on the role of media in the context of colonialism, war and conflict across various historical periods. Attentive to the ways that media technologies have been employed both as tools of power and vehicles of protest and resistance. Theoretical readings are paired with a set of international case studies – e.g. colonial atrocity archives, #BlackLivesMatter, Syrian civil war, the Abu Ghraib torture scandal, the Israeli military occupation, drone strikes – that enable us to test the applicability of theoretical discussions to contemporary case studies. Readings in Butler, Kaplan, Sontag, Stein and Kuntsman, Virilio and others.

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<td>ICS</td>
<td>417S</td>
<td>The Middle East: From Facebook to Film</td>
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**Description**
Studying the Middle East through the lens of popular culture, with a focus on the cultural changes of the digital era. Focus on social media, film, graphic novels, amateur cameras. Studies how popular cultural forms relate to concurrent political and historical processes. Themes include: digital media and society, state violence and terrorism, human rights, sexuality and youth culture.

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<td>418S</td>
<td>The Global Caribbean</td>
</tr>
</tbody>
</table>

**Description**
The course introduces students to the Caribbean as a transnational space that reflects the global dynamics associated with flows of bodies via migration, labor, and goods all of which have undergirded the birth and evolution of the (primarily) Atlantic world economy. The Global Caribbean will have a historical sociological bent that frames the region as the first modern colonial space which has served as a template for other projects of colonial and postcolonial development elsewhere in the world. Emphasis will be on the way that freedoms and unfreedoms operate in the Caribbean and elsewhere. Discussions of how knowledge has conditioned the representation of the region will be entertained.

<table>
<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ICS</td>
<td>419S</td>
<td>Meaning, Mattering, and Black Being-in-the-World: Towards a Critical Theory of Race and Value</td>
</tr>
</tbody>
</table>

**Description**
This course interrogates the ways scholars in the social sciences and humanities have conceptualized and theorized value, and the curious absence of race/racism from this discourse. Drawing from scholarship in the fields of history, anthropology, African diaspora studies, and (ethno)musicology, students will develop a better understanding of the interrelationship between race and value and the distinct ways that race has been one of the most pervasive 'value regimes' in the making of the modern world. Topics include the transatlantic slave trade and plantation societies in the Americas; intersections of race with science and technology; and black radical politics and expressive culture.
### ICS420S - Music and The Black Radical Imagination

**Subject**: ICS  
**Catalog Number**: 420S  
**Title**: Music and The Black Radical Imagination  

**Description**  
This seminar introduces students to key texts on histories and theories of Black radicalism, and spotlights the role of the imagination and creativity within modern Black political struggles. Building on the foundational scholarship of Cedric Robinson, Robin D. G. Kelley, and others, students will investigate how the philosophical and ideological foundations of the Black Radical Tradition have been nurtured and transmitted across time and space as culture. Special emphasis will be placed on the study of sound, music, and performance as manifestations of the Black radical imagination, from the era of Atlantic slavery to the contemporary Black Lives Matter Movement.

### ICS421S - The Geopolitics of Islamophobia from Bosnia to Xinjiang

**Subject**: ICS  
**Catalog Number**: 421S  
**Title**: The Geopolitics of Islamophobia from Bosnia to Xinjiang  

**Description**  
Comparative study of geopolitical attitudes toward Muslim minorities in and majority Muslim nations of the greater Middle East beginning with the Ottomans and including Bosnia, Chechnya, Iran, Afghanistan and/or Xinjiang. These polities have histories of colonialism, contested Islamic and secular state traditions, and experiences of anti-Muslim racism, religious and ethnic conflict and political violence. Theoretical analysis of historiography, Islamophobia, gender, identity, and policy. Discussion of US, European, and regional geopolitical interests through cultural texts including literature and film. This course does not fulfill the History capstone requirement.

### ICS423S - City Stories, Eastern Europe: Prague, Warsaw, Budapest, Sarajevo

**Subject**: ICS  
**Catalog Number**: 423S  
**Title**: City Stories, Eastern Europe: Prague, Warsaw, Budapest, Sarajevo  

**Description**  
Explores the multicultural histories, landmarks, and architectural styles of these four major European capitals. Drawing on paintings, photos, films, histories, memoirs, and fiction, we'll trace the aesthetic, religious, and political imprints of overlapping empires—Hapsburg, Russian, Ottoman, and Soviet—on these fascinating cities; consider how their urban communities accommodated influential religious minorities (Jews, Muslims, Christians); and study the roles they played in their respective nations. All readings in English translation and films screened with English subtitles.

### ICS424-1 - Medical Anthropology

**Subject**: ICS  
**Catalog Number**: 424-1  
**Title**: Medical Anthropology  

**Description**  
Cross-cultural study of health and illness. Prerequisites: Completion of both Writing 101 and any First Year Seminar.
<table>
<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ICS</td>
<td>425S</td>
<td>Mobility</td>
<td>Examine how individual humans move within a network or system through theories (e.g. Locke on portable property), vehicles (boats), travelers (pirates, pilgrims, migrants), media (books, money, gravestones, genealogies) to recognize the phenomenon of mobility and its consequences. This course enables you to cultivate an eye for seeing mobile phenomena, and to analyze how they are at the heart of the big issues: capitalism, colonialism, imperialism, race, religion, diaspora, migration and security.</td>
</tr>
<tr>
<td>ICS</td>
<td>427S</td>
<td>Ethics of Hope</td>
<td>Hope involves the expectation or desire for good things to happen. Yet, does this set up people for despair when hopes get dashed or have no possibility of realization? Or, is the conjuring of something better—somewhere, sometime—what enables life to be sustained in the face of difficulties or just the daily grind of making do? In this class we raise the issue of the ethics, politics, and tactics of hope, drawing on philosophy, feminism, and anthropology.</td>
</tr>
<tr>
<td>ICS</td>
<td>428S</td>
<td>Gender, Sex and Citizenship</td>
<td>Explore current issues and debates relating to the relationship between gender, sexuality and global flows of people, labor, capital and ideas. Consider feminist analyses of the citizen-subject and foundational questions central to this area of study relationship between cultural representation, queer subjectivities, and sexual citizenship. Examine scholarship on gendered vulnerability and the welfare state; the politics of 'terror', security, and stereotyped masculinities; domestic labor and contemporary slavery; and the controversial debates about the connections between sex tourism, human trafficking and commercial sex work. Prerequisite: Previous gender studies course or consent of the instructor.</td>
</tr>
<tr>
<td>ICS</td>
<td>432S</td>
<td>Cultures of New Media</td>
<td>Anthropological look at 'new media' - their varied forms and histories, how they are used and understood, and their meanings and effects within different communities of users. Charts a number of technologies deemed 'new' in their day and the social meanings and communities that such technologies generated. Explores new media in domains of art and literature, as well as issues of race, gender, sexuality and how other indices of difference come to bear on new media and its use. Grounded in anthropology, readings will also draw on media studies, visual studies, cultural studies and critical theory, queer and gender theory, history and geography.</td>
</tr>
<tr>
<td>ICS</td>
<td>434S</td>
<td>South Africa and the World</td>
<td>Throughout the 20th century, South Africa had the largest economy and military on the African continent. Its strategic geographic position and mineral wealth in gold and uranium made it an important ally for the largest economies in the world. The Cold War enhanced its significance. However, in the second half of the twentieth century, its policies of apartheid rendered it an international pariah. This course examines the ways in which countries, international institutions, and millions of 'ordinary' people shaped the course of South African history. How did South Africa interact with the broader world, and how did the world try to affect South Africa's policies of white supremacy?</td>
</tr>
<tr>
<td>ICS</td>
<td>435S</td>
<td>Atlantic Constellations: Migration, Exile, Second Slavery</td>
<td>This seminar explores the collective identities of Afro-descendant slaves in the Americas as well as migrant and exiled Spaniards away from the homeland. We will consider three main themes: 1) chattel or second slavery in Cuba, and, secondarily, in the U.S. and/or Brazil; 2) Ibero-Atlantic diasporas since the mid-nineteenth century, including so-called white slavery; and 3) the career of María Zambrano, an expatriate intellectual who turned her banishment from Spain in 1939 into the enabling condition of her radical revision of Western philosophy and the ethics of exile. Prerequisite: 300-level or above Spanish course that meets foreign language (FL) requirement.</td>
</tr>
</tbody>
</table>
ICS459S - Photography in the Americas: War, Tourism, Art, and Protest

Description
Since it emerged in the 19th century until today, the camera has framed our way of seeing and understanding the world. In this course, students accompany the camera in its path through major events in the Americas—North, South, and Central—and examine the profound connections between them. We discuss photography as a weapon of war, a souvenir for tourists, an instrument of protest, an illustration of history, a journalistic and ethnographic tool, and an artistic medium. Key developments in photographic processes, from half tone printing to digital imaging, offer opportunities to reflect on the relationship between visual culture and technology, and art and politics. Taught in Spanish.

ICS460S - Mayas, Aztecs, and Incas: The World According to the Indigenous People of Latin America

Description
The basic philosophical architecture of the three great civilizations of America; Maya, Aztec and Inca civilizations. Links the current indigenous revival in the Andes (Bolivia and Ecuador) and in the South of Mexico and Guatemala with the survival of their historical legacies.

ICS479S - Screening Europe

Description
Course debates identification of Europe as a political, historical and social entity from the standpoint of cinema. Provides students with an introduction to the notion of ‘European cinema’ from 1945 to the present-day crisis of Brexit and migration. Explores issues concerning interactions and relations between national and transnational identities, the local and the global, post-colonialism and multiculturalism, migration and nationalism, and Eastern versus Western Europe.

ICS489S - Capstone: Global Studies Seminar

Description
Interdisciplinary seminar for senior ICS majors; uses scholarship, literature and film to revisit critical global and transnational studies concepts and themes from ICS 195 at a level appropriate for seniors; writing-intensive, with assignments to facilitate analytical thinking; individual reflection on classroom, study away, and work experiences; library research; and engagement with the university intellectual and creative environment. Prerequisite: International Comparative Studies 195/History 103/Political Science 178/Religion 195/Sociology 195. Open to senior International Comparative Studies majors only.

ICS490S - Advanced Seminar in Topics in International Comparative Studies

Description
Topics vary from semester to semester.

ICS495S - Senior Honors Seminar

Description
First semester of a two course sequence. Open to seniors pursuing Distinction in International Comparative Studies. Course supports beginning stages (project design, research, draft composition) of an interdisciplinary research-based project on a question of interest relevant to critical transnationalism. Course fulfills senior capstone requirement for ICS. Consent of instructor based on application and project proposal.
ICS496S - Senior Honors Seminar

Subject: ICS
Catalog Number: 496S
Title: Senior Honors Seminar

Description:
Continuation of International Comparative Studies 495S. Open to seniors majoring in International Comparative Studies. Consent of instructor required.

ICS89S - First Year Seminar

Subject: ICS
Catalog Number: 89S
Title: First Year Seminar

Description:
Topics vary each semester offered.

IDS190S - Special Topics: Discovering the Social Sciences

Subject: IDS
Catalog Number: 190S
Title: Special Topics: Discovering the Social Sciences

Description:
Introduction to research methods in the social sciences with the chance to learn about the range of research questions, methods used across various fields that study how people think, act, and impact the world. Duke faculty from a wide range of departments will discuss their own research to showcase the range of quantitative and qualitative methods. By the end of the course, students should be able to: describe a good research question and how it affects choices in analytical methods, critically evaluate examples of social science research that use the tools explored in the class, and understand where at Duke they can learn and use the different methodologies covered in the class.

IMMUNOL493 - Research Independent Study

Subject: IMMUNOL
Catalog Number: 493
Title: Research Independent Study

Description:
Individual research and reading of the primary literature in a field of special interest, under the supervision of a faculty member, the major product of which is a substantive paper or written report containing significant analysis and interpretation of a previously approved topic. Consent of instructor required.

IMMUNOL494 - Research Independent Study

Subject: IMMUNOL
Catalog Number: 494
Title: Research Independent Study

Description:
Individual research and reading of the primary literature in a field of special interest, under the supervision of a faculty member, the major product of which is a substantive paper or written report containing significant analysis and interpretation of a previously approved topic. Consent of instructor required.

ISS101L - Technical and Social Analysis of Information and the Internet

Subject: ISS
Catalog Number: 101L
Title: Technical and Social Analysis of Information and the Internet

Description:
Study of standards, software, policy, and the impact of computing and the Internet on science and society. Analysis and creation of software and other computational and digital artifacts to solve problems in many domains using different approaches, including data mining, web-based communication, algorithmic and data-driven approaches, crowdsourcing. Use of real-world problems in understanding evolving international standards. Analysis of tradeoffs in ethical, economic, and technical areas.
ISS110 - Information, Society & Culture: Bass Connections Gateway

Subject: ISS  
Catalog Number: 110  
Title: Information, Society & Culture: Bass Connections Gateway

Description
Information, Society, and Culture across disciplines. How all aspects of information theory and practice, including computational and mathematical and those from social sciences and the humanities are transforming research, reframing intellectual questions in research and its application, and having an impact on interactions within societies, cultures, ideologies, economics, politics. Modules presented by faculty from all areas and schools, contrasting and comparative perspectives in research-driven modules focused on interdisciplinary project questions and ideas. Lecture/section activities. Course Gateway for the Bass Connections theme in Information, Society and Culture.

ISS112 - The Googlization of Knowledge: Information, Ethics, and Technology

Subject: ISS  
Catalog Number: 112  
Title: The Googlization of Knowledge: Information, Ethics, and Technology

Description
Google has altered the way we see the world and ourselves. Its biases, valuing popularity over accuracy, affect how we value information and navigate news and ideas. This course examines information from different angles within the context of social justice, open access to information, and how the Internet and Google affect our lives. Themes include knowledge as a public good, Internet policies, data and visual literacies, social media, and artificial intelligence. Hands-on work researching how technology affects the access, understanding, and reliability of information in students’ lives. Analysis, discussions, and reflection assignments with ongoing application to team-based projects.

ISS125FS - Foundations of Game Design

Subject: ISS  
Catalog Number: 125FS  
Title: Foundations of Game Design

Description
Exploration of the theory and practice of game design with a focus on critical play, game decomposition, and iterative design. Students explore a range of non-digital games to discover how design elements combine to form meaningful systems of play. Readings, discussion, and hands-on design exercises prepare students as they design, develop, and document meaningful games in a collaborative environment. Programming experience is not required.

ISS125L - Foundations of Game Design

Subject: ISS  
Catalog Number: 125L  
Title: Foundations of Game Design

Description
Exploration of the theory and practice of game design with a focus on critical play, game decomposition, and iterative design. Students explore a range of non-digital games to discover how design elements combine to form meaningful systems of play. Readings, discussion, and hands-on design exercises prepare students as they design, develop, and document meaningful games in a collaborative environment. Programming experience is not required.
ISS135 - Experimental Sculpture and Installation Art

**Subject**: ISS  
**Catalog Number**: 135  
**Title**: Experimental Sculpture and Installation Art  

**Description**  
This course explores ideas surrounding the creation of experimental sculpture. Employs non-traditional methods: 'readymades,' non-traditional materials, conceptual processes, digital interaction and fabrication techniques (rapid prototyping), mixed media including video, and projection technologies. Content of work driven by individual student interests—sustainability, the anthropocene, feminism, social and political commentary, and/or more formal, abstract sculptural relations. Instructor consent required.

ISS172 - The Anthropology of Design and User Experience (UX) Research

**Subject**: ISS  
**Catalog Number**: 172  
**Title**: The Anthropology of Design and User Experience (UX) Research  

**Description**  
The field of design and the burgeoning field of User Experience (UX) research has recently applied the methods anthropologists have used for over a century. The methods of cultural anthropology are distinctly aligned to ask questions about motivations, beliefs, values, and relationships within cultural systems through direct participant observation, surveys, focus groups, and archival research. Privileging critical listening, empathy, and perspective-taking, we try to discern why people do what they do, and apply these questions to human-centered design.

ISS187FS - Digital Storytelling and Interactive Narrative

**Subject**: ISS  
**Catalog Number**: 187FS  
**Title**: Digital Storytelling and Interactive Narrative  

**Description**  

ISS188FS - Games and Culture: Gateway to the Study of Games

**Subject**: ISS  
**Catalog Number**: 188FS  
**Title**: Games and Culture: Gateway to the Study of Games  

**Description**  
Examines analog and computer games from a cultural perspective. Explores how prevailing culture and values affect game design, popularity, and experience. How games affect those areas of culture, such as imagining disaster, utopia and dystopia. Explores role-playing and identity, ethics, group behavior, competition, politics, gender, race, and aesthetics.

ISS190 - Special Topics in Information Science + Studies

**Subject**: ISS  
**Catalog Number**: 190  
**Title**: Special Topics in Information Science + Studies  

**Description**  
Topics vary by semester.

ISS190FS - Special Topics in Information Science + Studies - Focus

**Subject**: ISS  
**Catalog Number**: 190FS  
**Title**: Special Topics in Information Science + Studies - Focus  

**Description**  
Special Topics in Information Science + Studies in the Focus Program
ISS190S - Special Topics in ISS: Introductory Seminar

**Subject**: ISS  
**Catalog Number**: 190S  
**Title**: Special Topics in ISS: Introductory Seminar  
**Description**: Topics vary per semester.

ISS198 - Experimental Interface Design

**Subject**: ISS  
**Catalog Number**: 198  
**Title**: Experimental Interface Design  
**Description**: Class explores issues surrounding embodied approaches to interface design. Articulates methodology for generating new forms of human/computer interface; includes workshops, discussions, student presentations, critiques and group brainstorming sessions. Content related to biomimetics; haptic body knowledge; multi-modal sensing; physical computing; physical/digital relationships; networked relations; the potentials of virtual space and different qualities of space, both visual and sonic. Database potentials discussed and explored in service of developing new approaches to interface. Instructor consent required.

ISS209 - 3D Modeling and Animation

**Subject**: ISS  
**Catalog Number**: 209  
**Title**: 3D Modeling and Animation  
**Description**: Basic concepts of 3D modeling and animation; fundamentals of computer geometry; knowledge of basic tools of 3D software (Maya); introduction to modeling, animation, texturing, lighting, and rendering; combination of these techniques in a final project. Recommended prerequisite: Visual and Media Studies 206 or 396.

ISS211 - Animated Film: A History and Aesthetic

**Subject**: ISS  
**Catalog Number**: 211  
**Title**: Animated Film: A History and Aesthetic  
**Description**: Evolution of animation from the philosophical "toys" of the late eighteenth century to the major international entertainment form of today. Special focus on American animation as it evolved from inspired individuals like Emile Cohl and Winsor McCay to a full-blown industrial model allowing for the creation of the animated feature and contemporary special effects.

ISS214S - Media Theory

**Subject**: ISS  
**Catalog Number**: 214S  
**Title**: Media Theory  
**Description**: Introduction to the material and technical infrastructure that informs and constrains the production and dissemination of knowledge. Exploration of cultural impact of technical media from writing to the internet. Combines historical and theoretical discussion with hands-on experimentation with various media, including the codex book, phonography and sound registration technology, photography, cinematography, video, virtual reality, digital computation, and the internet.

ISS222D - Introduction to Digital Humanities

**Subject**: ISS  
**Catalog Number**: 222D  
**Title**: Introduction to Digital Humanities  
**Description**: Digital approaches to humanistic research and its expression, across disciplines and fields. Critical approaches to the digital turn in contemporary culture; theoretical approaches to digital creation and digital remediation of analog sources. Topics include aesthetics, cultural impact, opportunities for global circulation. Critical contextualization around access, authorship, diversity and inclusion, media effects, and evaluation. Exercises in text analysis, digital mapping, data visualization, databases, networks, online archives and exhibitions, immersive media, situated within broader cultural debates on digital cultures, and on best practices for interdisciplinary collaboration.
### ISS228FS - Human Rights on Camera

**Subject** | **Catalog Number** | **Title**
--- | --- | ---
ISS | 228FS | Human Rights on Camera

**Description**
This course studies the interplay between cameras and human rights; how media technologies are used by activists and human rights workers to amplify grievances. Focus on cases studies where state violence was captured on camera: the Rodney King beating; the Abu Ghraib torture images; the Syrian revolution; and the Black Lives Matter movement. How are legal assessments impacted by visual aesthetics? How much faith do we have in the power of cameras to deliver justice? Readings in foundational theoretical texts about media, technology, and visuality. Open only to students in the Focus Program.

### ISS240A - Fundamentals of Web-Based Multimedia Communications

**Subject** | **Catalog Number** | **Title**
--- | --- | ---
ISS | 240A | Fundamentals of Web-Based Multimedia Communications

**Description**
Same as ISS 240. Offered through the Duke-In-Venice Program.

### ISS240L - Fundamentals of Web-Based Multimedia Communications

**Subject** | **Catalog Number** | **Title**
--- | --- | ---
ISS | 240L | Fundamentals of Web-Based Multimedia Communications

**Description**
Laboratory version of Information Science + Studies 240. Multimedia information systems, including presentation media, hypermedia, graphics, animation, sound, video, and integrated authoring techniques; underlying technologies that make them possible. Practice in the design innovation, programming, and assessment of web-based digital multimedia information systems. Intended for students in non-technical disciplines. Engineering or Computer Science students should take Engineering 206 or Computer Science 408.

### ISS240S - Fundamentals of Web-Based Multimedia Communications

**Subject** | **Catalog Number** | **Title**
--- | --- | ---
ISS | 240S | Fundamentals of Web-Based Multimedia Communications

**Description**
Multimedia information systems, including presentation media, hypermedia, graphics, animation, sound, video, and integrated authoring techniques; underlying technologies that make them possible. Practice in the design innovation, programming, and assessment of web-based digital multimedia information systems. Intended for students in non-technical disciplines. Engineering or Computer Science students should take Engineering 206 or Computer Science 408.

### ISS241L - Web Project Design and Development

**Subject** | **Catalog Number** | **Title**
--- | --- | ---
ISS | 241L | Web Project Design and Development

**Description**
Follow-on to ISS 240/240L. Students should be experienced with basic HTML and CSS. Information and graphic design; use-case development; readings and group critiques. Continued work with HTML, CSS, HTML5, Javascript. Introduction to PHP, MySQL and/or other server-based authoring techniques. Creation and templating of blogs, wikis, and content management systems. Web 2.0 and 3.0 technology implementation. Embedded media and objects. Intellectual property and fair use. User testing. Short exercises, group work, individual semester project, and public site launch. Instructor consent required.

### ISS242 - Games and Culture: Gateway to the Study of Games

**Subject** | **Catalog Number** | **Title**
--- | --- | ---
ISS | 242 | Games and Culture: Gateway to the Study of Games

**Description**
Examines analog and computer games from a cultural perspective. Explores how prevailing culture and values affect game design, popularity, and experience. how games affect those areas of culture, such as imagining disaster, utopia and dystopia. Explores role-playing and identity, ethics, group behavior, competition, politics, gender, race, and aesthetics.
### ISS242S - Games and Culture: Gateway to the Study of Games

**Subject**
ISS  
**Catalog Number**
242S  
**Title**
Games and Culture: Gateway to the Study of Games  

**Description**
Examines analog and computer games from a cultural perspective. Explores how prevailing culture and values affect game design, popularity, and experience. How games affect areas of culture, such as imagining disaster, utopia and dystopia. Explores role-playing and identity, ethics, group behavior, competition, politics, gender, race, and aesthetics.

### ISS250 - Building Global Audiences

**Subject**
ISS  
**Catalog Number**
250  
**Title**
Building Global Audiences  

**Description**
Marketing and publicity are so important to audience building that, 20 years ago, expanding beyond local audiences usually couldn't be accomplished without huge advertising budgets. However, thanks to the Internet, you can build a global audience from your dorm room. This class explores how. Learn about social media, search engine optimization, virality, content marketing, growth hacking, and other digital audience building strategies. They're difficult to learn and time consuming to execute, so expect to struggle. We'll learn as much from our failures as we will from our successes as we discover what it takes to cultivate global awareness for an idea without ever leaving Durham.

### ISS252 - Learning to Fail

**Subject**
ISS  
**Catalog Number**
252  
**Title**
Learning to Fail  

**Description**
Most people spend their lives afraid of failing. Yet, many of the world’s most successful people failed numerous times on their paths toward success. The underlying question of this class is if failing is as antithetical to learning as we’re taught to believe. To explore this question, we will test ways of using failure as a strategy for learning. We will experiment with failure to learn how it can make us better as we develop our skills as innovators, specifically focusing on the earliest stage of creativity: ideation. We will use failure through experimentation as a technique for problem definition and needs discovery which, in turn, will help us validate the quality of our ideas.

### ISS253 - Social Marketing: From Literary Celebrities to Instagram Influencers

**Subject**
ISS  
**Catalog Number**
253  
**Title**
Social Marketing: From Literary Celebrities to Instagram Influencers  

**Description**
Typical Duke students spend hours each day using social media. You’ve surely heard the platforms described as ‘revolutionary,’ and you’ve also heard them described as ‘time wasters.’ What you probably haven’t thought about is how similar they are to previous ‘revolutionary’ communications technologies like novels, newspapers, and even language itself. This course explores ways in which studying the masters of previous ‘social’ media technologies—the Shakespeares, Whitmans, and Eliots of the world—can help us understand how influencers on digital social media leverage the same platforms you use every day to market themselves, build their brands, and grow their audiences.
ISS255 - Humanities Text Mining and Meaning

**Subject**  
ISS

**Catalog Number**  
255

**Title**  
Humanities Text Mining and Meaning

**Description**
The digital text has led to new forms of research and is receiving increasing attention from artificial intelligence (AI). The application of machine learning to text, known as text mining, presents unique intellectual challenges that require major contributions from the humanities. This course introduces students to the interdisciplinary domain of text mining through a humanities-based media-theoretic framework. Students will first learn text data prep skills and practices fundamental to meaningful analysis. The semester will later introduce unsupervised machine learning and topic modeling, and culminate in a group project. Not recommended for advanced CS students.

ISS262 - Designing Transformative Learning

**Subject**  
ISS

**Catalog Number**  
262

**Title**  
Designing Transformative Learning

**Description**
The term 'open source' is frequently used to denote software source code that is freely available, modifiable, and shareable. However, the term has much wider applicability and relevance. The core values of open source—open knowledge and access to information, collaboration and community, transparency and meritocracy, inclusion and diversity, and iterative creation and adaptability—have profound implications for 21st century learning. In this learner-centered, project-based course, students will research the intersection of open source concepts, technology, and education innovation and share their knowledge across public-facing open-access media.

ISS265S - Introduction to Digital Feminism

**Subject**  
ISS

**Catalog Number**  
265S

**Title**  
Introduction to Digital Feminism

**Description**
The aim of this course is to critically analyze digital culture from a feminist and gender studies perspective. We will address topics related to digital innovation and its history, unpacking and questioning them through the insights offered by genders studies analytical tools. Subjects such as the rise of the Silicon Valley, gaming culture, social media, algorithms, Artificial Intelligence, extraction of data applied to biotechnology, macroeconomic development of IT platforms and the impact of technology on ecology will be discussed starting from a current event or debate, to which we will give a historical, ethical, sociological, theoretical, literary or cinematographic perspective.

ISS268 - Media History: Old and New

**Subject**  
ISS

**Catalog Number**  
268

**Title**  
Media History: Old and New

**Description**
Development of various media forms in historical and social contexts. Impact of old 'new' media on established art, commerce, education, politics, entertainment from 19th c. on. Changing ideas about authenticity, authority, agency, reception, identity, and power relating to emerging media forms, production, circulation. Overlaps, disjunctures, convergences, persistences and antiquations via case studies and examples. Technologies include print publishing, photography, audio recording, film, telegraph, maps, exhibitions, architecture and installations alongside contemporary web, multimedia, database, game, virtual reality, and telepresence systems. Final rich media research project required.
ISS270S - Constructing Immersive Virtual Worlds

Description
Theory, practice, and creation of 3D virtual worlds. Hands-on design and development of online collaborative simulation environments. Introduction to graphics workflow for creating virtual world media assets. Critical exploration of state-of-the-art virtual world technologies; 3D graphics, chat, voice, video, and mixed reality systems. Topics include: history/culture of virtual worlds, identity and avatars; behavioral norms; self-organizing cultures; user-generated content, virtual world economies; architectural scalability.

ISS275 - Performance Art History and Theory

Description
Performance Art History and Theory explores cultural experimentation, theoretical strategies, and ideological aims of performance art internationally; examines interchanges between artists’ theories of performance, stylistic development, and impact in the context of cultural criticism and art history; traces interdisciplinary genealogies of performance globally; thinks about the body as a vehicle for aesthetic expression, communication, and information in its critique of social and political conditions; studies performance and gender, sexuality, race, and class; asks how performance alters the semiotics of visual culture and contributes to a paradigm shift from modernism to postmodernism.

ISS279S - Visual Cultures of Medicine

Description
Exploration of the visual culture(s) of medicine. The changing role of diagnostic visuality and medical imaging from various philosophical and historical perspectives. The connections between medical ways of seeing and other modes of visuality, photography, cinema, television, computer graphics. The circulation of medical images and images of medicine in popular culture as well as in professional medical cultures.

ISS285S - Religion and Technology

Description
Explores the production and consumption of technologies that were either inspired by spiritual views or made for religious purposes. Using primary and secondary sources, archival manuscripts, film, photography, and field trips to better understand these technologies and their place in the human imaginary.

ISS290 - Special Topics in Information Science + Studies

Description
Topics vary by semester.

ISS290S - Special Topics in Information Science + Studies

Description
Topics vary by semester and instructor.
<table>
<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
</tr>
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<tbody>
<tr>
<td>ISS</td>
<td>291</td>
<td>ISS Independent Study</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Description</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Individual non-research directed study in a field of special interest on a previously approved topic, under the supervision of a faculty member, resulting in an academic and/or artistic product. Consent of both the instructor and director of undergraduate studies is required.</td>
</tr>
</tbody>
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<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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<tbody>
<tr>
<td>ISS</td>
<td>291-1</td>
<td>Independent Study</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Description</td>
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<tr>
<td></td>
<td></td>
<td>Half-credit Independent Study in Information Science + Studies.</td>
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<th>Subject</th>
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<tbody>
<tr>
<td>ISS</td>
<td>292</td>
<td>ISS Independent Study</td>
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<tr>
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<td>Description</td>
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<td></td>
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<td>Individual non-research directed study in a field of special interest on a previously approved topic, under the supervision of a faculty member, resulting in an academic and/or artistic product. Consent of both the instructor and director of undergraduate studies is required.</td>
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<th>Subject</th>
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<tbody>
<tr>
<td>ISS</td>
<td>293</td>
<td>ISS Research Independent Study</td>
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<tr>
<td></td>
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<td>Description</td>
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<tr>
<td></td>
<td></td>
<td>Individual research directed study in a field of special interest on a previously approved topic, under the supervision of a faculty member, resulting in an academic and/or artistic product. Consent of both the instructor and director of undergraduate studies is required.</td>
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<th>Subject</th>
<th>Catalog Number</th>
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<tbody>
<tr>
<td>ISS</td>
<td>294L</td>
<td>Interactive Graphics: Critical Code</td>
</tr>
<tr>
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<td></td>
<td>Description</td>
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<tr>
<td></td>
<td></td>
<td>Introduction to interactive graphics programming for artists. Explores object-oriented programming via the Processing programming environment as well as historical and theoretical appreciation of interactivity and computer graphics as artistic media. Combines discussions of key concepts from the readings with hands-on Processing projects and critiques. No previous programming experience or prerequisites required. Enrollment limited to 15 students.</td>
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<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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<tbody>
<tr>
<td>ISS</td>
<td>302</td>
<td>Hashtags Memes, Digital Tribes</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Description</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Tracks digital life and creative expression of groups online in a close study of images, captions and hyperlinked tags. Examines rituals, symbols and cultural patterns that structure everyday life of digital tribes online and investigates impact of digital and social media (Twitter, Instagram Facebook, Periscope) on the constitution of communities online and offline. Studying varied array of digital tribes: tribes of the deaf, of oil rig workers, of Hindu worshippers, of prison wives and laptop entrepreneurs, students learn about underlying myths, rituals, and cultural symbols that connect groups of people online.</td>
</tr>
</tbody>
</table>
ISS302S - Hashtags Memes, Digital Tribes

Subject: ISS  
Catalog Number: 302S  
Title: Hashtags Memes, Digital Tribes

Description: Tracks digital life and creative expression of groups online in a close study of images, captions and hyperlinked tags. Examines rituals, symbols and cultural patterns that structure everyday life of digital tribes online and investigates impact of digital and social media (Twitter, Instagram Facebook, Periscope) on the constitution of communities online and offline. Studying varied array of digital tribes: tribes of the deaf, of oil rig workers, of Hindu worshipers, of prison wives and laptop entrepreneurs, students learn about underlying myths, rituals, and cultural symbols that connect groups of people online.

ISS304S - Introduction to Digital Culture: Media Theory, Politics, Aesthetics

Subject: ISS  
Catalog Number: 304S  
Title: Introduction to Digital Culture: Media Theory, Politics, Aesthetics

Description: What is digital culture today? In the first two decades of the 00s, digital culture has become more directly related to the emergence of social media platforms (from Youtube to Instagram, from Snapchat to Tiktok). Digital culture is now shaped by artificial intelligence. We make new friends through dating apps and by becoming followers. We know that biases of race, class, gender and sexuality are embedded in everyday search algorithms. This course welcomes students to participate in these emerging discussions and experiment with new ideas that are shaping digital culture today.

ISS305L - Virtual Museums: Theories and Methods of Twenty-First-Century Museums

Subject: ISS  
Catalog Number: 305L  
Title: Virtual Museums: Theories and Methods of Twenty-First-Century Museums

Description: The future of museums will be one of immateriality and interaction. Course focuses on how the 'Internet of Things,' augmented reality technologies, new data analyses of artifacts will transform missions, roles, and goals of museums and collections. Core of course will be digital lab sessions focused on virtual reconstruction of lost heritage—e.g., museums and sites destroyed and damaged by ISIS and other conflicts in Iraq and the Middle East (Hatra, Nineveh, Nimrud, Baghdad).

ISS313L - Advanced Data Visualization

Subject: ISS  
Catalog Number: 313L  
Title: Advanced Data Visualization

Description: This course is all about the art and science of visualizing data. Learn about the what (types of visualizations, tools to produce them), the how (start with a design, pre-process the data, map it to graphical attributes, make strategic decisions about visual encoding, post-process for readability and visual appeal), and the why (the theory behind the grammar of graphics). Evaluate the clarity, effectiveness, and honesty of visualization choices and improve (your and others') visualizations through an iterative design process. Discuss the role of statistical graphics in modeling and inference. Do it all in R, reproducibly, and using a variety of modern data visualization packages. Prerequisite: Prerequisite: Statistical Science 198L or (198L-1 and 198L-2) or 199L or (199L-1 and 199L-2) or 210L.
### ISS315 - Mapping History with Geographic Information Systems

**Subject**  
ISS  
**Catalog Number**  
315  
**Title**  
Mapping History with Geographic Information Systems

**Description**  
Beginner/intermediate Geographic Information System (GIS) course designed to help students learn how to investigate history spatially. Emphasizes perspectives, procedures, and tools that are relevant to applications of GIS in Art History and Humanistic disciplines. Designed as a hybrid lecture/lab format in which direct instruction is supplemented by hands on learning labs using ArcGIS software and real-world spatial data. The main skills students will gain are: integration of spatial and tabular data, geoprocessing, data visualization, creating features, editing features, vector and raster integration, spatial analysis, georeferencing.

### ISS317 - User Experience and User Interface Design and Development

**Subject**  
ISS  
**Catalog Number**  
317  
**Title**  
User Experience and User Interface Design and Development

**Description**  
How do we build knowledge about computational, aesthetic, product and spatial experience? What tools and methods enable our work in the design of these interactions? This course applies methods and technologies found in the User Experience (UX) and User Interface (UI) disciplines to analyze, document, design and prototype a number of spatial and product interactions.

### ISS320 - Introduction to Programming and User Interface Design in Unity 3D

**Subject**  
ISS  
**Catalog Number**  
320  
**Title**  
Introduction to Programming and User Interface Design in Unity 3D

**Description**  
Practical concepts and exercises with the C# programming language. Basic concepts of algorithms and data structures. Discussion of basic computer graphics concepts. Introduction to the Unity3D game engine. Importing various model formats into Unity3D. User interface design in Unity3D. Advanced scripting using C# for Unity3D. Unity3D common pitfalls and tips for optimizations. Usage of augmented and virtual reality libraries. Weekly homework and final project. No prior coding experience is assumed.

### ISS320S - Introduction to Programming and User Interface Design in Unity 3D

**Subject**  
ISS  
**Catalog Number**  
320S  
**Title**  
Introduction to Programming and User Interface Design in Unity 3D

**Description**  
Practical concepts and exercises with the C# programming language. Basic concepts of algorithms and data structures. Discussion of basic computer graphics concepts. Introduction to the Unity3D game engine. Importing various model formats into Unity3D. User interface design in Unity3D. Advanced scripting using C# for Unity3D. Unity3D common pitfalls and tips for optimizations. Usage of the MiddleVR virtual reality library. Weekly homework and final project. No prior coding experience is assumed.
**ISS321 - Sample & Remix: Contemporary Cultural Production Across Arts & Media**

**Subject**  
ISS

**Catalog Number**  
321

**Title**  
Sample & Remix: Contemporary Cultural Production Across Arts & Media

**Description**
Sampling & remixing of previous works is a major mode of contemporary cultural production cutting across media and cultural practices. This course analyzes its genealogy, technological underpinnings, legal presuppositions and aesthetic consequences. Tensions between copy and copyright, between claims to originality and mechanical reproduction characterize this contemporary regime, now deployed globally. Its cultural implications will be distinguished from related modes of making art and meaning (imitation, citation, collage, montage...) and tracked through various objects: popular and avant-garde cinema; videogames, ready-mades and Pop Art; Hip-Hop and Electro; literature and DJ culture.

---

**ISS323S - Social Movements and Social Media**

**Subject**  
ISS

**Catalog Number**  
323S

**Title**  
Social Movements and Social Media

**Description**
Examines uses and abuses of social media by social movements. Interested in a broader historical study of mediating technologies and oppositional public sphere, course considers the uses of cameras, phones, cassette players, radio, and social media platforms, but also books, bodies, art, fashion, and automobiles as oppositional technologies. Studies political and ethical uses of technologies in social unrest. Investigates impact of technologies on social movements and social transformations in contemporary history. Student driven case studies will highlight contemporary engagement with social media by networked social movements.

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**ISS351S - Digital Storytelling and Interactive Narrative**

**Subject**  
ISS

**Catalog Number**  
351S

**Title**  
Digital Storytelling and Interactive Narrative

**Description**

---

**ISS354S - Web Design and Narrative: Artists, Documentarians, Art Historians, and Entrepreneurs**

**Subject**  
ISS

**Catalog Number**  
354S

**Title**  
Web Design and Narrative: Artists, Documentarians, Art Historians, and Entrepreneurs

**Description**
Professional practices course for students in creative fields without a computer science background: for artists and documentarians to create robust web-based portfolios; for art historians to showcase curatorial and scholarly projects; for entrepreneurs to demonstrate ideas, concepts, and products to the public. Develop customized, individual websites using CMS platforms. Hone and workshop artistic/curatorial/product statements. Develop teaching philosophies, exhibition imagery, and video documentation of artistic, curatorial, or product talks. Publish a blog magazine on arts and innovation topics. Guest speakers visit the course on a regular basis to review the students' work.
ISS355S - Videogame Design and Critique

Subject: ISS  
Catalog Number: 355S  
Title: Videogame Design and Critique

Description:
Surveys history, art, technology, narrative, ethics, and design of interactive computer games. Games as systems of rules, games of emergence and progression, state machines. Flow, systems of pleasure, goals, rewards, reinforcement schedules, fictional and narrative elements of game worlds. Responses to immersive & interactive media; experience of gamified systems in diverse contexts. Social, artistic, and cultural effects of games: impact, harm, benefits. Team design and development of game design storyboards and stand-alone games. Interplay between narrative, graphics, rule systems, and artificial intelligence in the creation of interactive games. Programming experience not required.

ISS356S - Digital Durham

Subject: ISS  
Catalog Number: 356S  
Title: Digital Durham

Description:
Representing Durham past and present with digital media. Digitize historical and cultural materials, research in archives and public records and present information through various forms including web pages, databases, maps, video and other media. Analysis of social impact of new representations of place and space.

ISS360 - The History of the Book

Subject: ISS  
Catalog Number: 360  
Title: The History of the Book

Description:
The history of the 'book' as physical object from its earliest forms (clay tablets, papyrus scrolls) through to texts in the digital age. Introduction to manuscript and early print culture in the West – scribes, scripts and book production. The role of the book in different cultures, and in intellectual history. Hands-on experience with, and study of materials in the Rubenstein Rare Book and Manuscript Library.

ISS366L - Theories and Practices of Data Visualization

Subject: ISS  
Catalog Number: 366L  
Title: Theories and Practices of Data Visualization

Description:
Combination of lectures, labs, and workshops on the theories and practices of data visualization, focused on creative applications of advanced tools and software, including introduction to data scraping, data cleaning, and elementary coding. Students will use innovative strategies to develop new databases with imperfect information, combining qualitative and quantitative data on the interface of the humanities and the social sciences. Individual and collaborative research projects will combine qualitative and quantitative analysis with weekly feedback and assessment.
### ISS376 - Performance and Technology: Composition Workshop

**Subject** | **Catalog Number** | **Title**  
--- | --- | ---  
ISS | 376 | Performance and Technology: Composition Workshop  

**Description**
Workshop exploration of technologies embedded in performance: robots, media, computer interface. Students create performance projects and discuss theoretical and historical implications of technologies in performance. Open to dancers, actors, musicians, spoken word artists and all those interested in technology and the arts. No previous experience or programming skills required.

### ISS380 - Visualizing Cities: Representing Urban Landscapes, Cultures, and Environments

**Subject** | **Catalog Number** | **Title**  
--- | --- | ---  
ISS | 380 | Visualizing Cities: Representing Urban Landscapes, Cultures, and Environments  

**Description**
Visualizing cities in theory and practice. Exploring digital and visual representation of landscapes, structures, environments, history, culture, architecture, events, and populations. Change over time, cultural heritage, possible futures, and alternate pasts from historical, cultural, documentary, and scientific evidence and archives. The idea of the city as a conceptual category and metaphor. Ubiquitous computing in urban environments as a medium for interaction. Global cities and diaspora. Visual imagery and written accounts. Use of mapping, imaging, 3D, augmented reality, games. Individual and group research and production of visualizing cities projects. Topics and temporal foci vary.

### ISS380SA - Digital Cities and the Cartographic Imagination

**Subject** | **Catalog Number** | **Title**  
--- | --- | ---  
ISS | 380SA | Digital Cities and the Cartographic Imagination  

**Description**

### ISS390 - Special Topics in Information Science + Studies

**Subject** | **Catalog Number** | **Title**  
--- | --- | ---  
ISS | 390 | Special Topics in Information Science + Studies  

**Description**
Topics vary per semester. Information science and studies areas as understood historically, thematically, and in contemporary cultures. Theoretical readings coupled with hands-on work with technology and new media applications.

### ISS390A - Duke Administered Study Abroad: Special Topics in Information Science + Studies

**Subject** | **Catalog Number** | **Title**  
--- | --- | ---  
ISS | 390A | Duke Administered Study Abroad: Special Topics in Information Science + Studies  

**Description**
Topics differ each semester.

### ISS390S - Special Topics in Information Science + Studies

**Subject** | **Catalog Number** | **Title**  
--- | --- | ---  
ISS | 390S | Seminar version of ISS 390.  

**Description**
Seminar version of ISS 390.
ISS390S-1 - Topics in Digital History and Humanities
Subject: ISS
Catalog Number: 390S-1
Title: Topics in Digital History and Humanities

Description:
Digital History and Digital Humanities in theory and practice. Students plan, research and develop new technology projects which present archival material and historical interpretations to scholars and the general public through research papers, websites, and museum exhibits. The course meets weekly to discuss readings in American history, southern history, and digital history/humanities. Students explore archival material in the Rubenstein Library, learn how to use digital tools for humanities projects, develop principles of effective digital project management, create cross-disciplinary collaborations and learn about the ethics for creating research projects in the humanities.

ISS390SA - Special Topics in Information Science + Studies
Subject: ISS
Catalog Number: 390SA
Title: Special Topics in Information Science + Studies

Description:
Seminar version of Information Science + Studies 390.

ISS390T - Special Topics in Information Science + Studies: Tutorial
Subject: ISS
Catalog Number: 390T
Title: Special Topics in Information Science + Studies: Tutorial

Description:
Topics vary per semester. Information science and studies areas as understood historically, thematically, and in contemporary cultures. Theoretical readings coupled with hands-on work with technology and new media applications.

ISS391 - Bass Connections in Information Science and Culture: Independent Study Project
Subject: ISS
Catalog Number: 391
Title: Bass Connections in Information Science and Culture: Independent Study Project

Description:
Bass Connections Information Science and Culture related, individual non-research directed study in a field of special interest on a previously approved topic, under the supervision of a faculty member affiliated with Bass Connections, resulting in an academic and/or artistic product. Consent of both the instructor and director of undergraduate studies required.

ISS392 - Independent Study
Subject: ISS
Catalog Number: 392
Title: Independent Study

Description:
Individual non-research directed study in a field of special interest on a previously approved topic, under the supervision of a faculty member, resulting in an academic and/or artistic product. Instructor consent required.

ISS393 - Research Independent Study in Information Science + Studies
Subject: ISS
Catalog Number: 393
Title: Research Independent Study in Information Science + Studies

Description:
Individual research directed study in a field of special interest on a previously approved topic, under the supervision of a faculty member, resulting in an academic and/or artistic product.
### Description
Bass Connections Year-long Project Team. Topics vary depending on semester and section. Teams of undergraduate and graduate students work with faculty to explore the evolution of society and culture through the lens of information, using the latest computational methods to address pressing problems in new and creative ways. A team's work may run in parallel with or contribute to an ongoing research project. Teams will participate in seminars, data collection and analysis, fieldwork, and other learning experiences relevant to the project. Requires a final paper or product containing significant analysis and interpretation. Instructor consent required.

### Description
Bass Connections Year-long Project Team. Topics vary depending on semester and section. Teams of undergraduate and graduate students will work with faculty to explore the evolution of society and culture through the lens of information, using the latest computational methods to address pressing problems in new and creative ways. A team's work may run in parallel with, or contribute to an ongoing research project. Teams will participate in seminars, data collection and analysis, fieldwork, and other learning experiences relevant to the project. This course requires a final paper, or product containing significant analysis, and interpretation. Instructor consent required.

### Description
Tutorial course for Bass Connections yearlong project team. Topics vary depending on semester and section. Teams of undergraduate and graduate students work with faculty to explore the evolution of society and culture through the lens of information, using the latest computational methods to address pressing problems in new and creative ways. A team's work may run in parallel with or contribute to an ongoing research project. Teams will participate in seminars, data collection and analysis, fieldwork, and other learning experiences relevant to the project. Requires a final paper or product containing significant analysis and interpretation.

### Description
Design history and theory. Lectures and projects focused on direct interaction with digitized elements of historically significant designs. Design elements and principles. Comparison of the language and tools of old and new media. Analysis of visual materials, discovering conceptual and stylistic connections, including Illustrator and Photoshop. Consent of instructor required.
ISS396T - Bass Connections Information, Society & Culture Research Team

Subject: ISS  
Catalog Number: 396T  
Title: Bass Connections Information, Society & Culture Research Team

Description: Bass Connections Year-long Project Team. Topics vary depending on semester and section. Teams of undergraduate and graduate students work with faculty to explore the evolution of society and culture through the lens of information, using the latest computational methods to address pressing problems in new and creative ways. A team's work may run in parallel with or contribute to an on-going research project. Teams will participate in seminars, data collection and analysis, field work and other learning experiences relevant to the project. Requires final paper or product containing significant analysis and interpretation. Instructor consent required.

ISS397 - Bass Connections Information, Society & Culture Research Team

Subject: ISS  
Catalog Number: 397  
Title: Bass Connections Information, Society & Culture Research Team

Description: Bass Connections Year-long Project Team. Topics vary depending on semester and section. Teams of undergraduate and graduate students work with faculty to explore the evolution of society and culture through the lens of information, using the latest computational methods to address pressing problems in new and creative ways. A team's work may run in parallel with or contribute to an on-going research project. Teams will participate in seminars, data collection and analysis, field work and other learning experiences relevant to the project. Requires final paper or product containing significant analysis and interpretation. Instructor consent required.

ISS398 - Bass Connections Information, Society & Culture Research Team

Subject: ISS  
Catalog Number: 398  
Title: Bass Connections Information, Society & Culture Research Team

Description: Bass Connections Year-long Project Team. Topics vary depending on semester and section. Teams of undergraduate and graduate students work with faculty to explore the evolution of society and culture through the lens of information, using the latest computational methods to address pressing problems in new and creative ways. A team's work may run in parallel with or contribute to an on-going research project. Teams will participate in seminars, data collection and analysis, field work and other learning experiences relevant to the project. Requires final paper or product containing significant analysis and interpretation. Instructor consent required.

ISS425 - Intellectual Property and Innovation: Law, Policy & Entrepreneurship

Subject: ISS  
Catalog Number: 425  
Title: Intellectual Property and Innovation: Law, Policy & Entrepreneurship

Description: Course examines the tightly linked roles of intellectual property law and innovation in the 21st century global economy; offers an overview of the use of intellectual property in business, law and public policy, as well as in-depth coverage of current controversies impacting the future of the global information economy: gene patents; online piracy; music sampling; open source business models; access to medicines; and the impact of the 3D printing revolution. Besides overviews of trends in intellectual property law, research and development strategies, university technology transfer, and government and private sector investment, examine case studies of specific innovators, companies, places.
### ISS435S - Chinese Media and Popular Culture: Politics, Ideology, and Social Change

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<tr>
<td>ISS</td>
<td>435S</td>
<td>Chinese Media and Popular Culture: Politics, Ideology, and Social Change</td>
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</table>

**Description**
Examines contemporary Chinese media traditional news press, radio and TV, new media such as the internet and social media, and popular culture, including cinema, popular music and fashions. Uses cross-cultural, interdisciplinary, and comparative approach. Focuses on how China views itself and constructs its global images, and how the world views China through media and popular culture. Primary objective is to understand political, ideological, and social changes since the Reform Era that began in 1978. No foreign language prerequisites are required.

### ISS436 - Experimental Sculpture and Installation Art

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<tr>
<td>ISS</td>
<td>436</td>
<td>Experimental Sculpture and Installation Art</td>
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</table>

**Description**
This course explores ideas surrounding the creation of experimental sculpture. employs non-traditional methods: 'readymades,' non-traditional materials, conceptual processes, digital interaction and fabrication techniques (rapid prototyping), mixed media including video, and projection technologies. Content of work driven by individual student interests, sustainability, the anthropocene, feminism, social and political commentary, and/or more formal, abstract sculptural relations. Instructor consent required.

### ISS490 - Special Topics in Information Science + Studies

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<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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<tr>
<td>ISS</td>
<td>490</td>
<td>Special Topics in Information Science + Studies</td>
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</table>

**Description**
Topics vary per semester. Information science and studies areas as understood historically, thematically, and in contemporary cultures. Theoretical readings coupled with hands-on work with technology and new media applications.

### ISS490S - Special Topics in Information Science + Studies

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<th>Subject</th>
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<th>Title</th>
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<tr>
<td>ISS</td>
<td>490S</td>
<td>Special Topics in Information Science + Studies</td>
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**Description**
Seminar version of Information Science + Studies 490.
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<th>Subject</th>
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<th>Title</th>
<th>Description</th>
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<tbody>
<tr>
<td>ISS</td>
<td>490S-1</td>
<td>Special Topics in Information Science + Studies</td>
<td>Topics vary per semester. Information science and studies areas as understood historically, thematically, and in contemporary cultures. Theoretical readings coupled with hands-on work with technology and new media applications. Primarily for Information Science + Studies certificate students. Instructor consent required.</td>
</tr>
<tr>
<td>ISS</td>
<td>490T</td>
<td>Collaborative Computational Media Project Design and Development Topics</td>
<td>Interdisciplinary teams of students work with faculty to design and develop a computational media project. A team's work may run in parallel with or contribute to an ongoing research project, which will be determined in advance. Teams will participate in seminars, data collection and analysis, field work and other learning experiences relevant to the project. Requires final paper or product containing significant analysis and interpretation. This course is designed to fulfill the project requirement for the Interdepartmental Major in Computational Media, Certificate in Information Science + Studies, or for Bass projects. Students from other disciplines welcome.</td>
</tr>
<tr>
<td>ISS</td>
<td>491</td>
<td>ISS Independent Study</td>
<td>Individual non-research directed study in a field of special interest on a previously approved topic, under the supervision of a faculty member, resulting in an academic and/or artistic product. Consent of both the instructor and director of undergraduate studies required.</td>
</tr>
<tr>
<td>ISS</td>
<td>493</td>
<td>ISS Research Independent Study</td>
<td>Individual research directed study in a field of special interest on a previously approved topic, under the supervision of a faculty member, resulting in an academic and/or artistic product. Consent of both the instructor and director of graduate studies is required.</td>
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</tbody>
</table>
ISS495S - Research Capstone

Subject: ISS
Catalog Number: 495S
Title: Research Capstone

Description:
Course limited to ISS certificate students. Students plan, research, and create new technology projects designed to facilitate interdisciplinary collaborative research, synthesizing their coursework in the program. Discussion sections meet weekly to discuss project goals and progress, learn principles of effective research project management, interdisciplinary collaboration, and ethical conduct of research.

ISS495T - Collaborative Computational Media Project Design and Development

Subject: ISS
Catalog Number: 495T
Title: Collaborative Computational Media Project Design and Development

Description:
Interdisciplinary teams of students work with faculty to design and develop a computational media project. A team’s work may run in parallel with or contribute to an ongoing research project, which will be determined in advance. Teams will participate in seminars, data collection and analysis, field work and other learning experiences relevant to the project. Requires final paper or product containing significant analysis and interpretation. This course is designed to fulfill the project requirement for the Interdepartmental Major in Computational Media, Certificate in Information Science + Studies, or for Bass projects. Students from other disciplines welcome.

ISS496 - Experiential Research Capstone

Subject: ISS
Catalog Number: 496
Title: Experiential Research Capstone

Description:
Students plan, research, and create new technology projects designed to facilitate interdisciplinary collaborative research, synthesizing and building upon their co-curricular experiences in the program. Discussion sections meet weekly to discuss project goals and progress, learn principles of effective research project management, interdisciplinary collaboration, and ethical conduct of research. Course limited to ISS students who are enrolled in the experiential certificate program. Instructor consent required.

ISS89S - Special Topics in Information Science + Studies

Subject: ISS
Catalog Number: 89S
Title: Special Topics in Information Science + Studies

Description:
Topics vary by semester.

ITALIAN101 - Elementary Italian 1

Subject: ITALIAN
Catalog Number: 101
Title: Elementary Italian 1

Description:
Introduction to the basic elements of Italian language and culture. Equal attention to aural comprehension, speaking, reading, and writing. Conducted in Italian. Not open to students with prior knowledge of Italian. Four class meetings a week.

ITALIAN101A - Italian for Beginners

Subject: ITALIAN
Catalog Number: 101A
Title: Italian for Beginners

Description:
Practice in understanding, speaking, reading, and writing. (Taught in Duke-administered programs in Italy.) Placement tests administered to returning students intending to continue in Italian language studies.
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<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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<tbody>
<tr>
<td>ITALIAN</td>
<td>102</td>
<td>Italian 102 - Elementary Italian 2</td>
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</tbody>
</table>

**Description**

Italian 102 develops and expands elements acquired in Italian 101: aural comprehension, speaking, reading, and writing. Conducted in Italian. Four class meetings a week. Prerequisite: Italian 101 or placement through the Director of the Italian Language Program.

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<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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<tbody>
<tr>
<td>ITALIAN</td>
<td>112</td>
<td>Italian 112 - Accelerated Elementary Italian</td>
</tr>
</tbody>
</table>

**Description**

Covers the elementary Italian Language curriculum (Italian 101-102) in one semester. Development of understanding, speaking, reading, and writing skills. Introduction to aspects of Italian life and culture. Four class meetings a week. This is a 1 credit class and counts as 1 FL credit.

<table>
<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ITALIAN</td>
<td>190FS</td>
<td>ITALIAN190FS - Focus Topics in Italian Literature and Culture</td>
</tr>
</tbody>
</table>

**Description**

Topics on single authors, genres, movements, or themes across centuries. Taught in English. Topics course. Open only to students in the Focus program.

<table>
<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>ITALIAN</td>
<td>203</td>
<td>Italian 203 - Intermediate Italian</td>
</tr>
</tbody>
</table>

**Description**

Content-based approach focusing on aspects of Italian culture and contemporary society. Focus on the development of second language reading skills; review of grammar; practice in understanding, speaking and writing. Literary and cultural texts taken from a variety of media.

<table>
<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ITALIAN</td>
<td>208FS</td>
<td>ITALIAN208FS - Gendering the Renaissance</td>
</tr>
</tbody>
</table>

**Description**

Course studies the debates around women, gender, and sexuality in Renaissance Italy and Europe (ca.1400–1700). Framed historically as ‘the woman question’ (la querelle des femmes), these debates challenged women’s nature, capabilities, and intellect, sparking robust response by women poets and philosophers, as well as by male defenders of the female sex. An interdisciplinary approach studying how gendered expectations for Renaissance women and men emerged across lyric poetry, conduct manuals, medical treatises, political pamphlets, paintings, theater, and early opera. We will contextualize early examples of premodern feminism, anti-feminism, misogyny, and prejudice compared to models today.

<table>
<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ITALIAN</td>
<td>213A</td>
<td>ITALIAN213A - Accelerated Intermediate Italian</td>
</tr>
</tbody>
</table>

**Description**

Covers the intermediate Italian Language curriculum (Italian 203 and 204) in one semester. Attention to vocabulary development and grammatical accuracy. Writing practice and development of reading skills with emphasis on analysis of cultural and literary texts. Prepares students to enroll in courses at the 300 level. Four class meetings a week. Prerequisite: Italian 112 or consent of the Italian Language Director. Offered through the Duke in Bologna program.
Love causes problems. It can inspire passion or madness; foster alliances, destroy friendships, provoke war, broker peace. It impacts communities and raises fundamental questions about life. Exploring amorous discourse from two millennia – Plato’s erotic ascent, Virgil’s deceived Dido, Ovid’s rules of seduction, Boccaccio’s legitimation of female desire, Michelangelo’s homoerotic poetry, Leonardo’s sublimated impulses, Foscolo’s tragic obsession, comic uncertainties of Svevo’s modern lovers, and love from afar in Montale—we will see what changes, what persists, and ultimately come to understand what we mean when we talk about love today.

Voices in Music explores how language and culture impact the production and reception of music in Italian-speaking communities. Texts include compositions, lyrics, music videos, interviews, visual texts, and documentaries, allowing students to examine music from multiple perspectives in Italian. Discussions will include ethnomusicology, representations of culture and identity, performance, and the music industry. Tutorials are taught in Italian. Recommended prerequisite: 4 semesters-level of language study (ITAL 204) or equivalent.
ITALIAN256 - Italian Baroque Art
Subject: ITALIAN  
Catalog Number: 256  
Title: Italian Baroque Art  
Description: This course will trace the development of the Italian baroque in architecture, sculpture and painting. It will consider a variety of themes relevant to Baroque artistic production, including religious influences on the art of the period, namely the Reformation and the Catholic Counter-Reformation; economic influences; central versus peripheral locations; issues of gender and sexuality; patronage; architectural site and meaning; urban planning and transformation; the artist, his workshop and rivalries; decoding the myths of artistic genius; and seventeenth-century primary sources.

ITALIAN258 - Renaissance Architecture in Italy: Brunelleschi to Michelangelo
Subject: ITALIAN  
Catalog Number: 258  
Title: Renaissance Architecture in Italy: Brunelleschi to Michelangelo  

ITALIAN261 - Michelangelo in Context
Subject: ITALIAN  
Catalog Number: 261  
Title: Michelangelo in Context  
Description: Historical and cultural contextualization of the work of Michelangelo Buonarroti (1475-1564), painting, sculpture and architecture. History, historiography, contemporary debate and scholarship concerning his work of artistic training and workshop practice, techniques, centers of production, art markets and consumption, antiquarianism and art collections, patronage, identity, gender, artistic rivalry, spread of knowledge and models, relationship with the spectator, social life, sacred and secular spaces and objects. Field trip to the Metropolitan Museum of Art collection of Renaissance architectural drawings and prints in New York.

ITALIAN281 - Dante's Divine Comedy: Hell, Purgatory and Paradise
Subject: ITALIAN  
Catalog Number: 281  
Title: Dante's Divine Comedy: Hell, Purgatory and Paradise  
Description: A voyage through the three otherworldly places of Dante's philosophical poem (Hell, Purgatory, Paradise) whose transformation of human actions into an ordered ethical system continues to captivate readers.

ITALIAN281P - Dante's Divine Comedy: Hell, Purgatory, and Paradise: Preceptorial
Subject: ITALIAN  
Catalog Number: 281P  
Title: Dante's Divine Comedy: Hell, Purgatory, and Paradise: Preceptorial  
Description: A preceptorial requiring concurrent enrollment in Italian 281. Additional information available from instructor.

ITALIAN290A-1 - Special Topics in Italian Language, Literature, or Culture
Subject: ITALIAN  
Catalog Number: 290A-1  
Title: Special Topics in Italian Language, Literature, or Culture  
Description: Topics in Italian language, literature or culture. Offered in Duke in Venice.
ITALIAN301S - Introduction to Italian Studies: Language, Literature, Film

Description
Introduction to Italian literature, thought, and cultural practices. Focus on one or more authors, genres, social and political movements, cultural institutions, from middle ages to present, exposing students to a range of critical and theoretical tools. Engagement with social, political, and philosophical issues and debates of enduring importance within literary and cultural texts and traditions. Strong emphasis on development of composition skills, writing and discourse strategies, vocabulary development, rhetorical techniques and conventions. Prerequisite: an Italian 200 level FL course or above.

ITALIAN302S - Italian Conversations: Explore Italy and Italians through Media, Film, Literature

Description
A high-intermediate/advanced language course designed for students who wish to learn about contemporary Italy and improve their conversation skills, including their listening and speaking competencies and pragmatic sensibilities. The aim of this course is to develop students' ability to participate in culturally nuanced discussions, successfully negotiate transactions and gain greater confidence in giving presentations. Emphasis on discussion of cultural topics explored through film, media and news, and specific student interests. Prerequisite: an Italian 200 level FL course or above.

ITALIAN303S - Italian Sociolinguistics

Description
Linguistic diversity in modern Italy. Social and geographic language variation, multilingualism, and the relationship between language and dialect. Special codes, including youth slang, language and politics, language and bureaucracy. Discussion of language and gender, language and racism, linguistic etiquette within Italian society.

ITALIAN327S - Introduction to Italian Culture

Description
An introduction to Italian culture through the cross-cultural analysis of its history, literature, cinema and arts.

ITALIAN328S - Italian Studies Seminar

Description
An introduction to Italian culture through the cross-cultural analysis of its history, literature, cinema and arts. Through readings and discussions of primary and secondary texts, students will encounter and examine a range of Italian cultural topics. The course may be organized around a theme, like revolution, postcolonialism, or feminism in the Renaissance. Students will consider the topic from an Italian perspective, developing a greater understanding of both the theme and Italian society, culture, literature, and film. Taught in English.

ITALIAN330 - Global Italy

Description
This .5 credit class conducted in English meets once a week and explores interdisciplinary perspectives on Italy. It is aimed at students returning from an Italian abroad experience (who wish to develop further their recently acquired cultural knowledge), students of Italian who want to expand on their language course knowledge in an additional setting, and any other students interested in the incredible diversity of Italian food, science, politics, sports, culture, and history.
ITALIAN335 - Major Italian Authors
Subject: ITALIAN
Catalog Number: 335
Title: Major Italian Authors
Description: Textual studies of the most important authors of the Italian literary tradition. Authors may vary. At times the course devoted to single author: Dante, Boccaccio, Pirandello; or, two or three authors studies together in the context of the culture of their time or of their influence on subsequent centuries or authors: Petrarch and Petrarchist phenomenon of the sixteenth century, Morante and the historical novel, Machiavelli and Vico. Not open to students who have taken this course as Italian 165S.

ITALIAN336 - Modern European Short Fiction
Subject: ITALIAN
Catalog Number: 336
Title: Modern European Short Fiction
Description: Comprehensive examination of several important works of modern European short fiction by authors such as Kafka, Woolf, Svevo, Sartre, Joyce, Proust, Mann, Schnitzler, Gogol, and Calvino. While stories will be contextualized historically, culturally, and geographically, course is organized into thematic units, including animals, home, punishment, and love, to facilitate comparative analysis. Students engage critically with concepts such as identity, trauma, genre, and narrative form.

ITALIAN336P - Modern European Short Fiction Preceptorial
Subject: ITALIAN
Catalog Number: 336P
Title: Modern European Short Fiction Preceptorial
Description: A preceptorial, in Italian, requiring concurrent enrollment in Italian 336. Further information available from instructor.

ITALIAN337 - America from Abroad: Literature and Cinema
Subject: ITALIAN
Catalog Number: 337
Title: America from Abroad: Literature and Cinema
Description: This course explores the portrayals of America, especially the United States, from authors and directors who are not American and who often have never even seen America. We will read short stories, novels, and graphic novels and watch films. What do these works from other parts of the world have to say about dreams, race, love, immigration, and space in America? We will discuss imaginary Americas in order to understand these important works within their contexts, to examine how foreign representations of America have contributed to our idea of America, and to consider what imagined Americas suggest about us here in North Carolina.

ITALIAN337P - America from Abroad: Literature and Cinema Preceptorial
Subject: ITALIAN
Catalog Number: 337P
Title: America from Abroad: Literature and Cinema Preceptorial
Description: A preceptorial, in Italian, requiring concurrent enrollment in Romance Studies 337S or Italian 337S. Further information available from instructor.

ITALIAN338S - Boccaccio's Decameron
Subject: ITALIAN
Catalog Number: 338S
Title: Boccaccio's Decameron
Description: The Decameron has surprised and shocked readers for centuries. This course asks why—and how. Investigating censored editions and translations, along with visual and cinematic adaptations, we will scrutinize Boccaccio's innovative representations of sex, women, and the disenfranchised to understand the overlooked political dimension of Boccaccio's attempt to re-imagine the world after a global pandemic.
<table>
<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>ITALIAN</td>
<td>338SP</td>
<td>Boccaccio's Decameron - Preceptorial</td>
<td>A preceptorial, in Italian, requiring concurrent enrollment in Italian 338S. Further information available from instructor.</td>
</tr>
<tr>
<td>ITALIAN</td>
<td>340SA</td>
<td>Performing Italy</td>
<td>Studies the role of the performing arts in Italian cultural and national identity (1600-1900). Navigates the intersections between performance and political histories. Studies the crossroads of personal and collective identity, issues of gender relations, factors of agency and exclusion, and the instruments of power that make performance possible. Readings and listenings include works by Monteverdi, Vivaldi, Puccini, Verdi, and others. Thematic units featured: the myth of opera, opera and empire, affect and history, women's musical education, gender and the ‘femme fatale,’ nationalism and the stage, and the performing arts today. Taught in English through the Duke in Bologna program.</td>
</tr>
<tr>
<td>ITALIAN</td>
<td>342A</td>
<td>Dante and the Art of Hell</td>
<td>Dante’s Divine Comedy, has inspired medieval illuminations, Renaissance frescoes, Surrealist paintings, and modern sculptures. This course explores this remarkable visual history to interpret Dante’s poem. What new features of Dante’s world do these visual adaptations bring into focus? Visiting sites throughout Italy, we will also aim to reconstruct Dante’s visual and built environment to understand what is distinctive about his vision. Taught in English. Offered through Duke in Venice and Duke in Bologna programs.</td>
</tr>
<tr>
<td>ITALIAN</td>
<td>343S</td>
<td>The Acoustic Image in the Renaissance</td>
<td>Examines the dynamics between Renaissance voice, sound, and the body. Navigates the intersections between literary and performance histories. Studies the crossroads of personal and collective identity, issues of gender relations, factors of agency and exclusion, and the instruments of power that govern vocal expression. Readings and listenings include works by Homer, Ovid, Sappho, Petrarch, Costa, Monteverdi, Behn, Lope de Vega, Corneille, and others. Thematic units featured: voice in theory, the autobiographical pen, the political chorus, and performing the resilient body. Questions discussed: Who is allowed a voice? What do voices measure? What voices get heard? And who listens?</td>
</tr>
<tr>
<td>ITALIAN</td>
<td>350S</td>
<td>Italian Migration Stories</td>
<td>This course examines Italian literature that portrays and reflects on migration. We will read a range of authors who wrote in Italian but were often born elsewhere, including in Togo, Hungary, China, Egypt, India, and Somalia. We will discuss the multiple identities of Italian migrants and how they navigate between where they lived and their life in Italy.</td>
</tr>
<tr>
<td>ITALIAN</td>
<td>370T</td>
<td>Italian Tutorial</td>
<td>Dynamic discussion-based course in Italian. Each week, students prepare a brief statement about something they learned, a question relating to Italian culture, society, or literature, and reflect on a relevant Italian vocabulary word related to their course material. They discuss how the varied materials form a broader picture of Italian culture and society, while improving their spoken Italian. Course counts toward the Italian major or minor when taken concurrently with a related course. May be repeated. Recommended prerequisite: Knowledge of Italian and concurrent enrollment in a course taught in English by an Italian department professor.</td>
</tr>
</tbody>
</table>
ITALIAN380 - Italian Cinema

**Subject**
ITALIAN

**Catalog Number**
380

**Title**
Italian Cinema

**Description**
Introduction course to Italian cinema including silent films, Neorealism, fascist productions, Commedia all’italiana and experimentalism. Taught in English, Italian majors and minors should inquire with the professor about the possibility of concurrently enrolling in a tutorial for credit towards the language requirement for the major or minor.

ITALIAN381S - Mapping Jewish Modernism

**Subject**
ITALIAN

**Catalog Number**
381S

**Title**
Mapping Jewish Modernism

**Description**
Students research Jewish modernism through questions of geography and movement, pointing to the many places where modern Jewish art has been created and the experiences of migration, exile, diaspora, and resettlement that shaped this work. We discuss the varieties of ways that different art forms, including literature, theater, music, art, film, architecture, and dance, can be mapped. We analyze mapping in terms of the movements of people (artists, authors, and directors), of objects (paintings, literature, performances, and films), and within the works themselves. Work with the Rubenstein Library will lead to projects that contribute to an exhibit in Perkins Library and a digital site.

ITALIAN382 - Race, Class, and Family in Contemporary Literature: Journeys, Generations, and Translations

**Subject**
ITALIAN

**Catalog Number**
382

**Title**
Race, Class, and Family in Contemporary Literature: Journeys, Generations, and Translations

**Description**
An opportunity to study with the Somali-Italian author Igiaba Scego, this English-language course explores representations of race, class & families in contemporary fiction. The course has three parts: 1) Analysis of Scego's work, which is crucial to debates on migration, decolonization, racism, feminism & translation; 2) read Italian and Brazilian authors to examine the intersection of color and class that cross Italy & Brazil from the colonial period to today, including the journeys and interactions between parents, siblings; 3) discussion of Scego's just-translated 'The Color Line,' which moves between the U.S., Italy, and Somalia, & final projects.

ITALIAN384 - Avant-Garde Art 1900-1945

**Subject**
ITALIAN

**Catalog Number**
384

**Title**
Avant-Garde Art 1900-1945

**Description**
Major artistic movements and theoretical aims of early modernism: fauvism, cubism, expressionism, futurism, constructivism, suprematism, dada, surrealism, deStijl, Bauhaus, and Neue Sachlichkeit in France, Italy, Germany, America.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ITALIAN385 - Mafia at the Movies</td>
<td>ITALIAN</td>
<td>385</td>
<td>Mafia at the Movies</td>
<td>A study of the mafia, and by extension, of Italy's 'dark heart,' in its historical, social, economic, cultural, and political dimensions, as represented in a wide range of Italian and American films and television productions, from documentary to comedy. Course will also consider possibilities and limits inherent to cinema in representing, and influencing cultural and social realities. Taught in English, Italian majors and minors should inquire with the professor about the possibility of concurrently enrolling in a tutorial for credit towards the language requirement for the major or minor.</td>
</tr>
<tr>
<td>ITALIAN386 - Art in Renaissance Italy</td>
<td>ITALIAN</td>
<td>386</td>
<td>Art in Renaissance Italy</td>
<td>The course provides a panorama of Italian Renaissance art including theory, painting, print, sculpture, and architecture. The objectives are to ensure knowledge of Renaissance artistic production and related historiography and to develop students' analytical and research skills. Materials are organized thematically around notions of artistic training and workshop practice, techniques, centers of production, art markets, antiquarianism and collections, patronage, gender, artistic rivalry, dissemination of knowledge, relationship with the spectator, social structures, sacred and secular spaces and objects, among others, which will be considered in relation to specific case studies.</td>
</tr>
<tr>
<td>ITALIAN386FS - Art in Renaissance Italy</td>
<td>ITALIAN</td>
<td>386FS</td>
<td>Art in Renaissance Italy</td>
<td>The course provides a panorama of Italian Renaissance art including theory, painting, print, sculpture, and architecture. The objectives are to ensure knowledge of Renaissance artistic production and related historiography and to develop students' analytical and research skills. Materials are organized thematically around notions of artistic training and workshop practice, techniques, centers of production, art markets, antiquarianism and collections, patronage, gender, artistic rivalry, dissemination of knowledge, relationship with the spectator, social structures, sacred and secular spaces and objects, among others, which will be considered in relation to specific case studies. Open only to students in the Focus Program. Department consent required.</td>
</tr>
<tr>
<td>ITALIAN388S - Food, Culture, and Society</td>
<td>ITALIAN</td>
<td>388S</td>
<td>Food, Culture, and Society</td>
<td>This DukeImmerse course provides a broad overview of food as culture and its role in society. Exploration of the intersections between food and identity from gender, ethnic, class, religious, and political identities to how people use food to develop a sense of themselves as ethical beings. Food and democracy and food activism. Readings from anthropological, sociological, linguistic, and literary writings with ethnographic observations in local communities of practice. Instructor consent required.</td>
</tr>
<tr>
<td>ITALIAN390 - Topics in Italian Civilization</td>
<td>ITALIAN</td>
<td>390</td>
<td>Topics in Italian Civilization</td>
<td>A cross-cultural study of Italy through history, culture, people, and institutions. Topics may vary each semester.</td>
</tr>
<tr>
<td>ITALIAN390A - Topics in Italian Literature and Culture</td>
<td>ITALIAN</td>
<td>390A</td>
<td>Topics in Italian Literature and Culture</td>
<td>Topics to be announced. Offered to students enrolled in Duke approved courses in Italy.</td>
</tr>
</tbody>
</table>
ITALIAN390A-1 - Special Topics in Italian Language, Literature or Culture

Subject: ITALIAN
Catalog Number: 390A-1
Title: Special Topics in Italian Language, Literature or Culture

Description:
Topics in Italian language, literature or culture. Offered through Duke in Venice.

ITALIAN390P - Topics in Italian Civilization: Preceptorial

Subject: ITALIAN
Catalog Number: 390P
Title: Topics in Italian Civilization: Preceptorial

Description:
Preceptorial attached to Italian 390. Please see instructor for more information.

ITALIAN390S - Special Topics in Italian Studies

Subject: ITALIAN
Catalog Number: 390S
Title: Special Topics in Italian Studies

Description:
A cross-cultural study of Italy through history, culture, people, and institutions. Topics may vary each semester.

ITALIAN390SA - Topics in Italian Studies

Subject: ITALIAN
Catalog Number: 390SA
Title: Topics in Italian Studies

Description:
A cross-cultural study of Italy through history, culture, people, and institutions. Topics may vary each semester. For Study Abroad and Duke Intense Global students only.

ITALIAN390SP - Topics in Italian Studies: Preceptorial

Subject: ITALIAN
Catalog Number: 390SP
Title: Topics in Italian Studies: Preceptorial

Description:
A preceptorial, in Italian, requiring concurrent enrollment in Italian 390S. See instructor for further details.

ITALIAN393 - Research Independent Study

Subject: ITALIAN
Catalog Number: 393
Title: Research Independent Study

Description:
Individual research in a field of special interest, under the supervision of a faculty member, resulting in a substantive paper or written report containing significant analysis and interpretation of a previously approved topic. Open only to qualified juniors by consent of instructor and director of undergraduate studies.
### ITALIAN394 - Research Independent Study

**Subject** | Catalog Number | Title |
---|---|---|
ITALIAN | 394 | Research Independent Study |

**Description**
See Italian 393. Open only to qualified juniors by consent of instructor and director of undergraduate studies.

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### ITALIAN483 - What Machiavelli Really Says

**Subject** | Catalog Number | Title |
---|---|---|
ITALIAN | 483 | What Machiavelli Really Says |

**Description**
Everyone knows what 'Machiavellian' means, but what does Machiavelli really say? Reading his classical political texts, 'The Prince,' the 'Discourses on Livy,' and 'The Art of War' in the company of his literary works, including 'Mandragola,' we will examine how Machiavelli's ideas about power, deception, language, ethics, and representation emerged from his reading of Plato, Livy, Ovid, and Dante, while also exploring the reception and consequences of his ideas. Just as Machiavelli searched history for answers to his own political situation, our guiding question cannot help but be 'What would Machiavelli do?'

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### ITALIAN490S - Advanced Topics in Italian Literature and Culture

**Subject** | Catalog Number | Title |
---|---|---|
ITALIAN | 490S | Advanced Topics in Italian Literature and Culture |

**Description**
Topics may include: the Enlightenment, romanticism, modernism, avant-garde. Taught in English.

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### ITALIAN490SP - Topics in Modern Literature and Culture, Preceptorial

**Subject** | Catalog Number | Title |
---|---|---|
ITALIAN | 490SP | Topics in Modern Literature and Culture, Preceptorial |

**Description**
A preceptorial, in Italian, requiring concurrent enrollment in Italian 490S. Further information available from instructor.

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### ITALIAN493 - Research Independent Study

**Subject** | Catalog Number | Title |
---|---|---|
ITALIAN | 493 | Research Independent Study |

**Description**
See Italian 393. Open only to qualified seniors by consent of instructor and director of undergraduate studies.

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### ITALIAN494 - Research Independent Study

**Subject** | Catalog Number | Title |
---|---|---|
ITALIAN | 494 | Research Independent Study |

**Description**
See Italian 393. Open only to qualified seniors by consent of instructor and director of undergraduate studies.

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### ITALIAN495 - Honors Thesis

**Subject** | Catalog Number | Title |
---|---|---|
ITALIAN | 495 | Honors Thesis |

**Description**
Preparation and writing of research paper for 'departmental distinction.' Consent of both the instructor and the director of undergraduate studies required.

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### ITALIAN89S - First Year Seminar in Italian

**Subject** | Catalog Number | Title |
---|---|---|
ITALIAN | 89S | First Year Seminar in Italian |

**Description**
Topics vary each semester offered. This course is restricted to first-year students.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>JEWISHST101</td>
<td>JEWISHST</td>
<td>101</td>
<td>Elementary Modern Hebrew</td>
<td>Introduction to speaking, understanding, reading, and writing Modern Hebrew.</td>
</tr>
<tr>
<td>JEWISHST102</td>
<td>JEWISHST</td>
<td>102</td>
<td>Elementary Modern Hebrew</td>
<td>Continuation of Hebrew 101. Introduction to speaking, understanding, reading, and writing Modern Hebrew. Prerequisite: Hebrew 101 or equivalent.</td>
</tr>
<tr>
<td>JEWISHST140</td>
<td>JEWISHST</td>
<td>140</td>
<td>Judaism</td>
<td>Introduction to Judaic civilization from its origins to modern times.</td>
</tr>
<tr>
<td>JEWISHST141</td>
<td>JEWISHST</td>
<td>141</td>
<td>Judaism Through Film</td>
<td>An overview of major themes in Jewish practice, belief, identity, and history as presented through the medium of film. Emphasis will be on contemporary Judaism in Europe, America, and the Middle East.</td>
</tr>
<tr>
<td>JEWISHST145</td>
<td>JEWISHST</td>
<td>145</td>
<td>The Old Testament/Hebrew Bible</td>
<td>Historical, literary, ethical, and theological investigations of the ancient Near Eastern context of Israelite religion and culture.</td>
</tr>
<tr>
<td>JEWISHST148</td>
<td>JEWISHST</td>
<td>148</td>
<td>Israel/Palestine: Comparative Perspectives</td>
<td>Introduction to the Israel/Palestine conflict, studied through an interdisciplinary lens, including scholarship from the fields of anthropology, environmental studies, history, geography and cultural studies. Themes include: competing nationalisms, environmental politics and resource management, peace building, refugees and displacement, humanitarian crises and challenges, representational politics. Range of primary sources will be used including human rights reports and testimonials, natural resource policies, feature and documentary film, memoirs, political treatises, and maps.</td>
</tr>
</tbody>
</table>
JEWISHST156 - Scripture: Judaism, Christianity, and Islam

Subject: JEWISHST  
Catalog Number: 156  
Title: Scripture: Judaism, Christianity, and Islam

Description:
Judaism, Christianity, and Islam are characterized as religions of the book. Their sacred texts are foundational to the faiths they represent. In spite of shared histories, overlapping contents, and parallel perspectives, their Sacred Scriptures diverge in key points of content, interpretation, and uses by their communities. In this course, students will be introduced to the history, contours, and content of the Hebrew Bible/Old Testament, the New Testament, and the Qur'an and hadith, exploring issues of scripture and authority, texts and manuscripts, translation and interpretation, performance, canonicity, ethical issues, and contemporary use.

JEWISHST190FS - Special Topics: Jewish Studies Focus Seminar

Subject: JEWISHST  
Catalog Number: 190FS  
Title: Special Topics: Jewish Studies Focus Seminar

Description:
Topics vary by semester when offered. Open only to students in Focus Program

JEWISHST203 - Intermediate Modern Hebrew

Subject: JEWISHST  
Catalog Number: 203  
Title: Intermediate Modern Hebrew

Description:
Continuation of Hebrew 102. Speaking, understanding, reading, and writing Modern Hebrew at the intermediate level; exploring Israeli culture through texts and other media. Prerequisite: Hebrew 102 or equivalent.

JEWISHST204 - Intermediate Modern Hebrew

Subject: JEWISHST  
Catalog Number: 204  
Title: Intermediate Modern Hebrew

Description:
Continuation of Hebrew 203. Speaking, understanding, reading, and writing Modern Hebrew at the intermediate level; exploring Israeli culture through texts and other media. Prerequisite: Hebrew 203 or equivalent.

JEWISHST206FS - Clash of Civilizations: In the Heart of Europe

Subject: JEWISHST  
Catalog Number: 206FS  
Title: Clash of Civilizations: In the Heart of Europe

Description:
This course focuses on the battle between barbarian invaders, established communities, and new religions in the Middle Ages. What became Spain and Portugal were battlegrounds between faiths old and new, a clash of civilizations between Christianity, Judaism, and Islam that would inform future global conflicts. We explore the history of this confrontation at the crossroad of civilizations—between East and West, Africa and Europe—and its effect on our worldview today. A common culture was forged in science, mathematics, music, literature, philosophy, and mysticism, a shared legacy shaping world history and the current world order. Part of the ‘Geopolitics and Culture’ Focus Cluster.

JEWISHST206S - The Israeli-Palestinian Conflict in Films

Subject: JEWISHST  
Catalog Number: 206S  
Title: The Israeli-Palestinian Conflict in Films

Description:
Explores cinematic representations of the Israeli-Palestinian conflict; probes the history and the current state of the conflict through its visual representations. Focuses on representations of violence: of state violence vs. non-state terrorism; probes the relationship between spectatorship and violence.
JEWISHST215S - Hinduism and Judaism: Culture, Religion, and Identity

Subject: JEWISHST
Catalog Number: 215S
Title: Hinduism and Judaism: Culture, Religion, and Identity

Description: Using interdisciplinary comparative frameworks, this course will study how two major world religions, Hinduism and Judaism, create a dynamic cosmos that brings abiding meaning to the daily lives of millions of believers. Explores concepts such as 'ritual' and 'myth' by examining Jewish and Hindu materials from early to modern times. The broader aims of the course are to understand how each tradition imagines time, space, and matter, and to explore how claims about the sacred are transformed in modernity. Ultimately, it aims to inspire reflection on how religion, identity and culture function in the modern world.

JEWISHST241 - Contemporary Israeli Cinema

Subject: JEWISHST
Catalog Number: 241
Title: Contemporary Israeli Cinema


JEWISHST243 - Modern European Short Fiction

Subject: JEWISHST
Catalog Number: 243
Title: Modern European Short Fiction

Description: Comprehensive examination of several important works of modern European short fiction by authors such as Kafka, Woolf, Svevo, Sartre, Joyce, Proust, Mann, Schnitzler, Gogol, and Calvino. While stories will be contextualized historically, culturally, and geographically, course is organized into thematic units, including animals, home, punishment, and love, to facilitate comparative analysis. Students engage critically with concepts such as identity, trauma, genre, and narrative form.

JEWISHST245 - Introduction to Israeli Culture

Subject: JEWISHST
Catalog Number: 245
Title: Introduction to Israeli Culture

Description: Surveys of Israeli culture from the late 1940s to the present. Examines Israeli fiction, cinema, popular music, visual culture. Major themes include ethnicity, the Israeli-Palestinian conflict, class, the Jewish Holocaust, religion and secularism. Legal and economic aspects of culture.

JEWISHST251 - Jewish History, 1492 to the Present

Subject: JEWISHST
Catalog Number: 251
Title: Jewish History, 1492 to the Present

Description: Major developments in Jewish history from the early modern period to today. The Kehillah, the Spanish-Jewish Diaspora, the rise of Polish Jewry, the Safed Kabbalah, Sabbatanism, the emergence of the Chassidut, the Haskalah (Jewish Enlightenment), Emancipation and the nation state, Reform Judaism, economic modernization, racial antisemitism, Zionism, the Holocaust, the State of Israel, flourishing Jewish pluralism in the United States, the future: nation and Diaspora?

JEWISHST258 - The Modern Middle East

Subject: JEWISHST
Catalog Number: 258
Title: The Modern Middle East

Description: The historical development of the Middle East in the nineteenth and twentieth centuries. The emergence of nation-states in the region following World War I.
### JEWISHST269S - Fragmented Memories: Polish and Polish Jewish Culture Through Film

**Subject**: JEWISHST  
**Catalog Number**: 269S  
**Title**: Fragmented Memories: Polish and Polish Jewish Culture Through Film

**Description**  
Analyzes, compares, and assesses representations of Polish Christians and Polish Jews—their life experiences, interactions, shared and separate fates—in documentaries and fiction films made in Poland from the 1930s to the present day. Includes films by Wajda, Polanski, Munk, Kieslowski; also a 2008 documentary about pre-World War II Christian-Jewish relations in Poland by Jolanta Dylewska. All films screened with English subtitles.

### JEWISHST271 - Sex and Gender in the Hebrew Bible

**Subject**: JEWISHST  
**Catalog Number**: 271  
**Title**: Sex and Gender in the Hebrew Bible

**Description**  
Women in ancient Israel, early Christianity, and early Judaism in their contexts in the Near Eastern and Greco-Roman worlds, with attention to the relation between textual depictions and social reality and to the ethical issues raised by the continuing authority of biblical texts for matters of gender. Sources include the Bible, images from art, and archaeological remains.

### JEWISHST275S - Modern Jewish Identities: Between Eastern Europe and the United States

**Subject**: JEWISHST  
**Catalog Number**: 275S  
**Title**: Modern Jewish Identities: Between Eastern Europe and the United States

**Description**  
Drawing on documentaries, historical fiction films, autobiographies and memoirs, this course explores how the diverse spectrum of Ashkenazi Jews living in the Russian empire and then Poland from 1900-1939 conceived of their identities as Jews and how their identities may have altered once they emigrated to the United States. After the Shoah, we examine how Jewish emigrants to the US and those Jews and their descendants who remained in postwar Poland/Ukraine sought contact with each other in attempts to rethink what it means to be a post-Holocaust Jew in their respective contexts and in dialogue with each other.

### JEWISHST290S - Special Topics in Jewish Studies

**Subject**: JEWISHST  
**Catalog Number**: 290S  
**Title**: Special Topics in Jewish Studies

**Description**  
Topics vary by semester. Consent of instructor is required.
JEWISHST301D - Religion, Restrictions, and Violence

Subject: JEWISHST
Catalog Number: 301D
Title: Religion, Restrictions, and Violence

Description:
An examination of the historical roots and current manifestations of religiously-justified violence and disenfranchisement, with a focus on the Abrahamic traditions (Judaism, Christianity, and Islam). The violence treated will include the expressly physical as well as the more insidiously existential, including political and cultural marginalization. Major loci of exploration will include gender and sexuality, Israel-Palestine, and the intersection of contemporary identities. Topics include the nature of extremisms within each tradition, the challenges of assimilation and ‘modernity,’ and the role and nature of citizenship and territory.

JEWISHST305S - Advanced Modern Hebrew

Subject: JEWISHST
Catalog Number: 305S
Title: Advanced Modern Hebrew

Description:
Continuation of Hebrew 204. Speaking, understanding, reading, and writing Modern Hebrew at the advanced level; exploring Israeli culture through critical reading of literary texts (prose and poetry) and other contemporary media. Prerequisite: Hebrew 204 or equivalent.

JEWISHST306S - Advanced Modern Hebrew

Subject: JEWISHST
Catalog Number: 306S
Title: Advanced Modern Hebrew

Description:
Continuation of Hebrew 204 and/or 305S. Speaking, understanding, reading, and writing Modern Hebrew at the advanced level; exploring Israeli culture through critical reading of literary texts (prose and poetry) and other contemporary media. Prerequisite: Hebrew 204 or equivalent.

JEWISHST310S - Literary Translation: History, Theory, and Practice

Subject: JEWISHST
Catalog Number: 310S
Title: Literary Translation: History, Theory, and Practice

Description:
A study of the theory and practice of translation from antiquity to the present, with a focus on religious, literary, and philosophical texts and the distinctive challenges involved in rendering such works into a different language. Topics include analysis of historically-significant translations, a survey of the history and theory of translation as a practice, a close study of the ethics of translation, and a workshop in which students will prepare, revise, and analyze their own translations. Prerequisite: Three semesters of language.
**JEWISHST315SA - New York Scenes**

**Subject**
JEWISHST

**Catalog Number**
315SA

**Title**
New York Scenes

**Description**
New York Scenes will focus on the various cultural institutions, scenes, establishments, happenings, hang-outs, movements, etc., that make up New York City. Early in the semester, students will select a particular 'scene' to research over the course of the term. For example: Tin Pan Alley (popular music, theater), The Lafayette Theatre (black arts), St. Mark's Church (poetry, punk rock), the Chelsea Hotel (mid-century writers, pop stars and outcasts), La MaMa (experimental theater), the Christopher Street Piers (queer history, lgbtq youth) and Union Square Park (leftist organizing history). Open to students in the Duke in New York program.

**JEWISHST319S - Andalusia: Muslim, Jewish, Christian Spain**

**Subject**
JEWISHST

**Catalog Number**
319S

**Title**
Andalusia: Muslim, Jewish, Christian Spain

**Description**
Intersection of cultures, religions, languages, & peoples through history, poetry, music, architecture, & philosophy in Spain. Cultural flourishing from the contact—and sometimes clash—of European, Spanish, Islamic, Arab, African, Middle Eastern, and Jewish civilizations and Arabic, Spanish, and Hebrew languages. Ends with Andalusian culture in modern music, poetry, art, dance, & architecture at the crossroads of civilizations. Includes travel to Spain over spring break so students witness firsthand the coexistence of different religious traditions and cultures. Instructor consent required.

**JEWISHST337 - America from Abroad: Literature and Cinema**

**Subject**
JEWISHST

**Catalog Number**
337

**Title**
America from Abroad: Literature and Cinema

**Description**
This course explores the portrayals of America, especially the United States, from authors and directors who are not American and who often have never even seen America. We will read short stories, novels, and graphic novels and watch films. What do these works from other parts of the world have to say about dreams, race, love, immigration, and space in America? We will discuss imaginary Americas in order to understand these important works within their contexts, to examine how foreign representations of America have contributed to our idea of America, and to consider what imagined Americas suggest about us here in North Carolina.

**JEWISHST342 - The Holocaust**

**Subject**
JEWISHST

**Catalog Number**
342

**Title**
The Holocaust

**Description**
Antisemitism and the Jewish question in Central Europe, the development of Nazi policy, the Final Solution in its different sites (ghetto, labor camps, extermination camps) and institutions (SS, Judenrat), the Holocaust's legacy. Historiographical debates and documentary research.
JEWISHST369 - Germany Confronts Nazism and the Holocaust

Subject: JEWISHST
Catalog Number: 369
Title: Germany Confronts Nazism and the Holocaust

Description:
The ways in which official German culture comes to terms with its Nazi past. Background reading in history and politics; primary focus on films, dramas, novels, and poetry, as well as public memorials, monuments, and museums. Authors treated include: Wolfgang Borchert, Rolf Hochhuth, Peter Weiss, Ruth Klüger. Taught in English.

JEWISHST374S - Urban Yiddish Culture: The Urban Imagination in Yiddish Culture from Warsaw to Buenos Aires

Subject: JEWISHST
Catalog Number: 374S
Title: Urban Yiddish Culture: The Urban Imagination in Yiddish Culture from Warsaw to Buenos Aires

Description:
This course offers a panoramic view of Yiddish culture in the twentieth century through a focus on the diverse cities inhabited by its audiences and creators across Europe and the Americas. Each week we will encounter a new city through the eyes of a novelist or poet, filmmaker, musician or visual artist. As we proceed from the turn of the twentieth century to the post-Holocaust era, we will consider the broad aesthetic and ideological tendencies that inform representations of urban Jewish life in Yiddish, English, Spanish and other languages while also charting an ever-expanding geography including Buenos Aires, Mexico City and Rio de Janeiro. All material in English.

JEWISHST381S - Mapping Jewish Modernism

Subject: JEWISHST
Catalog Number: 381S
Title: Mapping Jewish Modernism

Description:
Students research Jewish modernism through questions of geography and movement, pointing to the many places where modern Jewish art has been created and the experiences of migration, exile, diaspora, and resettlement that shaped this work. We discuss the varieties of ways that different art forms, including literature, theater, music, art, film, architecture, and dance, can be mapped. We analyze mapping in terms of the movements of people (artists, authors, and directors), of objects (paintings, literature, performances, and films), and within the works themselves. Work with the Rubenstein Library will lead to projects that contribute to an exhibit in Perkins Library and a digital site.

JEWISHST390 - Special Topics in Jewish Studies

Subject: JEWISHST
Catalog Number: 390
Title: Special Topics in Jewish Studies

Description:
Topics vary from semester to semester.

JEWISHST390A - Duke-Administered Study Abroad: Advanced Topics

Subject: JEWISHST
Catalog Number: 390A
Title: Duke-Administered Study Abroad: Advanced Topics

Description:
Topics differ by section.

JEWISHST390S - Special Topics in Jewish Studies

Subject: JEWISHST
Catalog Number: 390S
Title: Special Topics in Jewish Studies

Description:
Seminar version of Jewish Studies 390.
### JEWISHST432S - Modern German-Jewish Culture: Vienna, Prague, Berlin

**Subject:** JEWISHST  
**Catalog Number:** 432S  
**Title:** Modern German-Jewish Culture: Vienna, Prague, Berlin

**Description:**
Explores the outsized intellectual and cultural output of Jews in pre-WWII Europe. The birth of psychoanalysis and the fallout of Jewish assimilation in Vienna. The legendary Golem figure and the writings of Franz Kafka and his circle in Prague. Avant-garde Jewish artists, writers, and filmmakers in Weimar Berlin. Each unit examines specific historical contexts and broader artistic movements. Topics include secularization and conversion; hybrid identities; emigration to Palestine and the U.S.; antisemitism and rising fascism; and ‘authentic’ Jewishness in Eastern Europe. Taught entirely in German. Recommended prerequisite: a 300-level German course or equivalent.

### JEWISHST455S - Introduction to Israeli Culture

**Subject:** JEWISHST  
**Catalog Number:** 455S  
**Title:** Introduction to Israeli Culture

**Description:**
Historical survey of Israeli culture from 1948 to the present. All reading materials and class discussion in Hebrew. Prerequisite: Hebrew 306 or above, or placement test or instructor’s consent.

### JEWISHST490S - Special Topics in Jewish Studies

**Subject:** JEWISHST  
**Catalog Number:** 490S  
**Title:** Special Topics in Jewish Studies

**Description:**
Topics vary by semester.

### JEWISHST80S - Special Topics in Writing

**Subject:** JEWISHST  
**Catalog Number:** 80S  
**Title:** Special Topics in Writing

**Description:**
Various topics with diverse readings and intensive writing.

### JEWISHST89S - First Year Seminar

**Subject:** JEWISHST  
**Catalog Number:** 89S  
**Title:** First Year Seminar

**Description:**
Topics vary by semester.

### JPN101 - Elementary Japanese

**Subject:** JPN  
**Catalog Number:** 101  
**Title:** Elementary Japanese

**Description:**
Introduction to speaking, listening, reading, and writing.

### JPN102 - Elementary Japanese

**Subject:** JPN  
**Catalog Number:** 102  
**Title:** Elementary Japanese

**Description:**
Continuation of Japanese 101. Recommended prerequisite: Japanese 101 or equivalent.

### JPN121 - Elementary Japanese for Learners with Kanji Background

**Subject:** JPN  
**Catalog Number:** 121  
**Title:** Elementary Japanese for Learners with Kanji Background

**Description:**
Elementary Japanese for beginning learners knowing kanji; thorough mastery of the basic structure of Japanese through aural-oral exercises and practice; develop grammatical accuracy and socially appropriate language use; carry on basic daily conversations; prerequisite: passing a kanji recognition test.
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<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>JPN204</td>
<td>204</td>
<td>Intermediate Japanese</td>
<td>Continuation of Japanese 203. Prerequisite: Japanese 203 or equivalent.</td>
</tr>
<tr>
<td>JPN305</td>
<td>305</td>
<td>Advanced Japanese</td>
<td>Readings and other materials, including video. Exercises in composition and conversation.</td>
</tr>
<tr>
<td>JPN306</td>
<td>306</td>
<td>Advanced Japanese</td>
<td>Continuation of Japanese 305. Prerequisite: Japanese 305 or equivalent.</td>
</tr>
<tr>
<td>JPN391</td>
<td>391</td>
<td>Independent Study</td>
<td>Individual study of language for conducting research involving sources written or spoken in the language. Students have to submit a proposal describing the purported research, types of sources to be analyzed, and kinds of language knowledge or skills they need to be equipped with. Consent of instructor and director of undergraduate studies required.</td>
</tr>
<tr>
<td>JPN471S</td>
<td>471S</td>
<td>Topics in Classical Japanese (Bungo)</td>
<td>Selected readings in ancient, medieval, early modern, and modern texts, prose and poetry. Examples: Heike monogatari, Makura no sōshi, Oku no hosomichi, Hyakunin isshu, Tsurezuregusa, and Gakumon no susume. Emphasis is on nuanced, in depth understandings of classical grammar. Translation of major texts in the classical tradition. Prerequisite: Japanese 408S or permission of instructor.</td>
</tr>
<tr>
<td>KICHE101</td>
<td>101</td>
<td>Elementary K'iche' Maya I</td>
<td>Introduction to essential elements of K'iche' Maya language and aspects of Maya culture. K'iche' Maya, a language spoken by about a million people in the western Highlands of Guatemala, is one of the major indigenous languages in the Americas. Emphasis on active language production to develop basic conversational skills for everyday interactions. Course taught at Vanderbilt University; Duke students participate through video conference and/or telepresence classroom. No prerequisite.</td>
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<tr>
<td>Subject</td>
<td>Catalog Number</td>
<td>Title</td>
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<tr>
<td>KICHE</td>
<td>102</td>
<td>KICHE203 - Intermediate K'iche' Maya</td>
<td>Continuation of K’iche’ Maya I. Second semester course that introduces the essential elements of K’iche’ Maya language and aspects of Maya culture. K’iche’ Maya, a language spoken by about a million people in the western Highlands of Guatemala, is one of the major indigenous languages in the Americas. Emphasis on active language production to develop basic conversational skills for everyday interactions. Course taught at Vanderbilt University; Duke students participate through video conference and/or telepresence classroom. Prerequisite: K’iche’ Maya 101 or equivalent.</td>
</tr>
<tr>
<td>KICHE</td>
<td>203</td>
<td>KICHE204 - Intermediate K'iche' Maya</td>
<td>Students read and discuss K’iche’ language socio-historical context beginning with colonial texts to the present. Primarily a translating class, students read primary sources in K’iche’ going back to the 16th century using philological methods. Texts include colonial dictionaries and grammars, phrase books, wills and testaments, missionary texts from colonial period and late 19th century, dance dramas, and the Popol Wuj. Learn about the range of materials available in K’iche’ and the tools and methods used to work with these sources. Taught at Vanderbilt University; Duke students participate through video conference/telepresence classroom. Prerequisite: K’iche’ Maya 203 or equivalent.</td>
</tr>
<tr>
<td>KICHE</td>
<td>204</td>
<td>KOREAN101 - Elementary Korean</td>
<td>Designed for true beginners with no prior knowledge of Korean, introduces the basics of Korean. The sounds of spoken Korean, the writing system Hangul, and greetings; basic communication, fundamentals of grammar, and elementary reading skills for simple sentences.</td>
</tr>
<tr>
<td>KOREAN</td>
<td>101</td>
<td>KOREAN102 - Elementary Korean</td>
<td>Continuation of Korean 101. Developing speaking and listening skills for everyday personal communication; reading simple narratives and descriptions; learning core grammatical patterns. Prerequisite: Korean 101 or equivalent (knowledge of Hangul and rudimentary speaking ability).</td>
</tr>
<tr>
<td>KOREAN</td>
<td>203</td>
<td>KOREAN203 - Intermediate Korean</td>
<td>Focus on developing reading skills for narrative and descriptive texts, and on writing. Practice in listening and speaking in social settings with peers and colleagues; development of complexity and sociolinguistic appropriateness in speech. Prerequisite: Korean 102 or equivalent (ability to communicate in service encounters and express oneself in basic personal situations). Students with equivalent preparation to the prerequisite course may contact instructor for a permission number.</td>
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<tr>
<td>Subject</td>
<td>Catalog Number</td>
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<tr>
<td>KOREAN</td>
<td>204</td>
<td>Intermediate Korean</td>
<td>Continuation of Korean 203. Listening and speaking about cultural practices and historical events, reading and writing informative and expository texts, and honing grammatical usage and vocabulary choice. Prerequisite: Korean 203 or equivalent (ability to speak on daily topics fluently and to read simple stories).</td>
</tr>
<tr>
<td>KOREAN</td>
<td>207</td>
<td>High Intermediate Korean</td>
<td>Designed for students who are fluent in conversational Korean but never had formal instruction in written Korean, this course aims to develop literacy skills for participation in broader social and academic discourses. Organized around socio-cultural topics, students will read and discuss a range of texts including folk tales and multimedia contents, and write about their experiences, readings of texts, and opinions on a variety of topics. Larger vocabulary and complex sentence structure needed for advancing reading and writing skills will be developed through homework and interactive practices in class. No prerequisites but students are requested to get permission before the registration.</td>
</tr>
<tr>
<td>KOREAN</td>
<td>273T-2</td>
<td>Voices in Music : Korean</td>
<td>Voices in Music explores how language and culture impact the production and reception of music in Korean-speaking communities. Texts include compositions, lyrics, music videos, interviews, visual texts, and documentaries, allowing students to examine music from multiple perspectives in Korean. Discussions will include ethnomusicology, representations of culture and identity, performance, and the music industry. Tutorials are taught in Korean. Recommended prerequisite: 4 semesters-level of language study (KOREAN 204) or equivalent.</td>
</tr>
<tr>
<td>KOREAN</td>
<td>305</td>
<td>Advanced Korean</td>
<td>Listening and speaking about cultural, social, and political issues; reading and responding to authentic texts; honing grammatical usage at the discourse level. Prerequisite: Korean 204 or equivalent (fluency in speaking, familiarity with culture, and experience in reading at grade 1 to 3 level). Students with equivalent preparation to the prerequisite course may contact instructor for a permission number.</td>
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<tr>
<td>KOREAN</td>
<td>306S</td>
<td>Advanced Korean</td>
<td>Continuation of Korean 305. Introduction to Chinese characters; focus on reading and discussing authentic texts on modern Korean history and its social and cultural legacies. Prerequisite: Korean 305 or equivalent (fluency in speaking, familiarity with culture, and experience in reading at grade 4 or 5 level).</td>
</tr>
<tr>
<td>KOREAN</td>
<td>391</td>
<td>Independent Study</td>
<td>Individual study of language for conducting research involving sources written or spoken in the language. Students have to submit a proposal describing the purported research, types of sources to be analyzed, and kinds of language knowledge or skills they need to be equipped with. Consent of instructor and director of undergraduate studies required.</td>
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<td>Subject</td>
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<tr>
<td>KOREAN407S</td>
<td>407S</td>
<td>Issues in Korean Language and Society I</td>
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<td>Description</td>
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<td>Focus on developing interpretive and expressive abilities through reading and discussions of essays, short stories, and newspaper articles. Prerequisite: Korean 306S or equivalent.</td>
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<tr>
<td>KOREAN408S</td>
<td>408S</td>
<td>Issues in Korean Language and Society II</td>
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<tr>
<td>Description</td>
<td></td>
<td>Continue developing interpretive and expressive abilities through reading and discussions of essays, short stories, and newspaper articles. Prerequisite: Korean 407S or equivalent. Students with equivalent preparation to the prerequisite course may contact instructor for a permission number.</td>
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<tr>
<td>KOREAN455S</td>
<td>455S</td>
<td>Korean Politics and Society: Academic Reading and Writing</td>
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<td>Description</td>
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<td>An advanced class for students having completed a fourth year course in Korean, or for international students schooled in Korea. Explores controversial issues in contemporary South Korea such as economic aid to North Korea, restrictions on online anonymity, legal status of immigrants, the US-Korea Free Trade Agreement, revision of National Security Laws, with focus on their ethical dimensions, diverging perspectives, underlying ideologies, and historical contexts. Course materials drawn from media and academic publications in Korean. Prerequisite: Korean 407S or 408S. Students with equivalent preparation to the prerequisite course may contact instructor for a permission number.</td>
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<tr>
<td>LATAMER121</td>
<td>121</td>
<td>Introduction to Contemporary Latin America</td>
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<td>Description</td>
<td></td>
<td>This is an introductory, interdisciplinary survey course on modern Latin America focusing on contemporary social issues especially from the past five years. Each week will be dedicated to a different social problematic, including: political indigeneity; the legacy of African slavery; feminism and femicide; drug wars; migration and border issues; student movements; neoliberalism and resource struggles; and ecological contestation. Weekly meetings are driven by reading discussion, with context provided in lectures. You will conduct independent research in at least one group presentation and one final project. Required for students seeking the certificate in Latin American Studies.</td>
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</table>
### LATAMER122 - History of Latinxs in the United States

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<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>LATAMER</td>
<td>122</td>
<td>History of Latinxs in the United States</td>
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</tbody>
</table>

**Description**

This introductory course will cover the social, cultural, and political histories of Latino/as in the United States from 1848 to the present including the Treaty of Guadalupe Hidalgo, the Great Depression, WWII/WWII, the creation of Latino/a civil rights organizations, and the civil wars and free trade agreements of the 1980s and 1990s that have spurred so much of contemporary migration. Themes include colonialism and conquest, sexuality and gender, race and ethnicity, transnationalism and migration, social inequality and practices of resistance. This class will highlight the diversity of the Latino/a experience—focusing on the history of Afro-Latino/as, queer Latino/as, and undocumented Latino/as.

### LATAMER190FS - Focus Program Topics in Latin American Studies

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<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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<tbody>
<tr>
<td>LATAMER</td>
<td>190FS</td>
<td>Focus Program Topics in Latin American Studies</td>
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</table>

**Description**

Open only to students in the Focus Program. Topics vary each semester offered.

### LATAMER190S - Special Topics in Latin American Studies

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<th>Subject</th>
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<tbody>
<tr>
<td>LATAMER</td>
<td>190S</td>
<td>Special Topics in Latin American Studies</td>
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</tbody>
</table>

**Description**

Opportunities to engage with a specific issue on Latin America. Topics will vary.

### LATAMER222 - Environment and Global Capitalism in Latin America

<table>
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<tr>
<th>Subject</th>
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<th>Title</th>
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<tbody>
<tr>
<td>LATAMER</td>
<td>222</td>
<td>Environment and Global Capitalism in Latin America</td>
</tr>
</tbody>
</table>

**Description**

Global capitalism relies on the ever increasing extraction and displacement of natural resources around the world. The discovery and subsequent colonization of Latin America by European powers meant the massive circulation of organisms (from germs to human beings) and natural resources (organic and mineral) across continents with lasting consequences for humans, animals and landscapes. Focusing on Latin America, this course analyzes the environmental history of global capitalism. Our aim will be to explore what happens when massive amounts of natural resources are relocated from one place to another.
LATAMER223 - Mexico Since Before Cortes

Subject: LATAMER  
Catalog Number: 223  
Title: Mexico Since Before Cortes

Description:
Survey of Mexican history since before the encounter between European and native peoples, the experience of conquest, independence rebellions, liberal reforms, revolution, and modernization.

LATAMER246S - Human Rights in the Americas

Subject: LATAMER  
Catalog Number: 246S  
Title: Human Rights in the Americas

Description:
This course introduces students to the history of human rights in Latin America, with a focus on certain regions. We will begin with the Conquest and cover the emergence of independent nation-states; the role of imposed economic policies, including neoliberalism; indigenous protest movements and their relationships to corporate interests; and the influence of the United States on human rights, government formation, immigration and the drug trade. Instructor consent required. Open only to students in the DukeImmerse program.

LATAMER283S - Death, Burial, and Justice in the Americas

Subject: LATAMER  
Catalog Number: 283S  
Title: Death, Burial, and Justice in the Americas

Description:
This interdisciplinary course explores the phenomenon of necroviolence: attacks on the dignity, integrity, and memory of the dead. Cases come from the United States, Latin America, and Canada. Topics include the rights of the dead, cultural attitudes towards the dead, and the 'ambiguous loss' experienced by loved ones of the disappeared. We also explore the activism of family members, volunteer cemetery reclamation groups, and forensic scientists who exhum mass graves to identify bodies. Students will interact with guest speakers, spend time in a local African American cemetery with ties to Duke, and do community work and research on behalf of the marginalized dead.

LATAMER290A - Duke-Administered Study Abroad: Special Topics in Latin American Studies

Subject: LATAMER  
Catalog Number: 290A  
Title: Duke-Administered Study Abroad: Special Topics in Latin American Studies

Description:
Topics differ by section.

LATAMER315DS - Environmental Issues & the Documentary Arts

Subject: LATAMER  
Catalog Number: 315DS  
Title: Environmental Issues & the Documentary Arts

Description:
Survey how filmmakers, authors, photographers, and other artists have brought environmental issues to the public's attention in the last century, and in some cases instigated profound societal and political change. Examine the nebulous distinctions between persuasion and propaganda, agenda and allegory, point of view and content. Evolve as a viewer of the environment and a maker of documentary art. Initiate your own projects to address and/or depict environmental issues in one form of a broad range of media.

LATAMER315S - Environmental Issues & the Documentary Arts

Subject: LATAMER  
Catalog Number: 315S  
Title: Environmental Issues & the Documentary Arts

Description:
Survey how filmmakers, authors, photographers, and other artists have brought environmental issues to the public's attention in the last century, and in some cases instigated profound societal and political change. Examine the nebulous distinctions between persuasion and propaganda, agenda and allegory, point of view and content. Evolve as a viewer of the environment and a maker of documentary art. Initiate your own projects to address and/or depict environmental issues in one form of a broad range of media.
### LATAMER320S - Social Movements and Social Media

**Subject**
LATAMER  

**Catalog Number**
320S  

**Title**
Social Movements and Social Media  

**Description**
Examines uses and abuses of social media by social movements. Interested in a broader historical study of mediating technologies and oppositional public sphere, course considers the uses of cameras, phones, cassette players, radio, and social media platforms, but also books, bodies, art, fashion, and automobiles as oppositional technologies. Studies political and ethical uses of technologies in social unrest. Investigates impact of technologies on social movements and social transformations in contemporary history. Student driven case studies will highlight contemporary engagement with social media by networked social movements.

### LATAMER321 - Visualizing the Caribbean

**Subject**
LATAMER  

**Catalog Number**
321  

**Title**
Visualizing the Caribbean  

**Description**
Art (paintings, installations, performance art) and film on the Caribbean offer vantage points for analyzing alternative ways through which the region has been thought, imagined and produced. They are periodized semiotic productions that feed into and are marked by perspectives that are at once global, national, and even personal. Considering the constitutive contexts of these productions and performances, we will attempt to glean the diverse perspectives, and the ways these have influenced sociocultural policy and offer alternative interpretations of diasporic lifeways of Caribbean people.

### LATAMER327 - El cine político en américa Latina

**Subject**
LATAMER  

**Catalog Number**
327  

**Title**
El cine político en américa Latina  

**Description**
Examines question of political cinema through Latin American works from 1960s to present, including examples from ‘New Latin American Cinema’, with special focus on Brazil and Cuba. Emblematic films, manifestos and critical texts will define and contextualize alternate conceptions of ‘political’ cinema. Examination of modes of production and distribution of ‘guerrilla’ films; politics of film language inspiring experimentation of avant-garde aesthetics in fictional and documentary works; relationship between cinema and political memory; politics of gender, race, and sexual orientation; representations of social problems, including contemporary blockbuster thrillers. Conducted in Spanish.

### LATAMER328 - Global Brazil

**Subject**
LATAMER  

**Catalog Number**
328  

**Title**
Global Brazil  

**Description**
Analysis of Brazilian history and culture from 1500 to the present in transnational context, with an emphasis on themes like slavery and race, regional cleavages, authoritarian rule, social inequality, and innovative attempts to expand democracy. Facilitates broad-based knowledge of a country of increasing global economic and diplomatic clout. Close examination of primary sources, including texts, images, music, and film.
LATAMER335S - Brazil and Lusophone Africa

Subject: LATAMER
Catalog Number: 335S
Title: Brazil and Lusophone Africa

Description:
This seminar examines three historical components of the South Atlantic in terms of history, culture, and contemporary political and economic consequences. European colonialism in Africa and Brazil constitutes the baseline for this exploration, but the long and tardy nature of Portuguese colonialism in Africa in comparison with other European colonial powers, especially in its post-World War II manifestations, is our starting point. We will examine the last stages of Portuguese colonialism in Lusophone Africa, the African liberation movements and the efforts to forge new transnational relations among Portugal, Lusophone Africa and Brazil.

LATAMER338S - Race and Memory in the Americas

Subject: LATAMER
Catalog Number: 338S
Title: Race and Memory in the Americas

Description:
This course confronts this relationship between memory and narrative and their role in addressing the trauma of colonization and the slave trade in its many iterations within Latino, Latin American and at times West African literature. Often pairing the readings with prominent UNESCO-sponsored memorials or other landmarks, this course endeavors to have students question how a transnational Americas remembers itself through narrative and memorialization, despite colonization, imperialism, neoliberalism, and heteronormative hegemonies. Taught in Spanish.

LATAMER341S - Perspectives on the Amazon

Subject: LATAMER
Catalog Number: 341S
Title: Perspectives on the Amazon

Description:
The Amazon has been a source of awe to outsiders at least since the first Europeans navigated the Amazon River in 1542. While early explorers searched the forest for a mythic city of gold, contemporary travelers, scientists, and concerned citizens look to the Amazon as the key to our endangered future. Focusing on a variety of textual and visual representations, we will deal with major themes in the history of the Amazon and consider the ways in which this vast and widely depicted region eludes representation, holding entirely different and contending meanings to distinct socio-cultural groups. Our sources include works by indigenous thinkers and cultural producers.

LATAMER343 - Displacements: Migration and Human Trafficking

Subject: LATAMER
Catalog Number: 343
Title: Displacements: Migration and Human Trafficking

Description:
Examination of the meaning of migration in the global world through cross-disciplinary texts and visual media. Situates the phenomenon of human trafficking within the context of these general movements focusing on the risks involved when people endanger their lives to find a better and more strategic position in the world. Explores how these experiences should be interpreted, and how processes and the politics of race, space and place are a condition and/or outcome of these movements. Investigates and considers ways to resolve some of the problems associated with such movements.
LATAMER349 - Political Economy of Latin America

**Subject:** LATAMER  
**Catalog Number:** 349  
**Title:** Political Economy of Latin America

**Description:**
Study of interaction between politics and economies in Latin America with central emphasis on political correlates of alternative strategies of economic development, the impact of global economic forces on domestic policy choice, and interrelationships among political institutions, electoral choice, public policy, and economic performance. Topics include financial meltdowns, market-oriented reform, democratic transitions, ethnic mobilization, and rise of leftist-populism in the region. Readings will combine discussion of specific countries with broader theoretical literature addressing major debates in study of political economy of development.

LATAMER374S - Urban Yiddish Culture: The Urban Imagination in Yiddish Culture from Warsaw to Buenos Aires

**Subject:** LATAMER  
**Catalog Number:** 374S  
**Title:** Urban Yiddish Culture: The Urban Imagination in Yiddish Culture from Warsaw to Buenos Aires

**Description:**
This course offers a panoramic view of Yiddish culture in the twentieth century through a focus on the diverse cities inhabited by its audiences and creators across Europe and the Americas. Each week we will encounter a new city through the eyes of a novelist or poet, filmmaker, musician or visual artist. As we proceed from the turn of the twentieth century to the post-Holocaust era, we will consider the broad aesthetic and ideological tendencies that inform representations of urban Jewish life in Yiddish, English, Spanish and other languages while also charting an ever-expanding geography including Buenos Aires, Mexico City and Rio de Janeiro. All material in English.

LATAMER380S - Political Cinema in Latin America

**Subject:** LATAMER  
**Catalog Number:** 380S  
**Title:** Political Cinema in Latin America

**Description:**
What counts as ‘political cinema’? What are the possible relations between cinema and politics, particularly in Latin America? How can cinema not only comment on political issues but also perform politics through practices of production and aesthetic choices that are germane to film as a cultural form? This course explores these and related questions through a survey of landmark Latin American works from the mid-twentieth century to the present. Taught in Spanish.

LATAMER390 - Special Topics in Latin American and Caribbean Studies

**Subject:** LATAMER  
**Catalog Number:** 390  
**Title:** Special Topics in Latin American and Caribbean Studies

**Description:**
Interdisciplinary study of geographical, historical, economic, governmental, political, and cultural aspects of modern Latin America and the current issues facing the region. Specific topics will vary from year to year. For all undergraduates.
LATAMER390S - Special Topics in Latin American and Caribbean Culture and Society

**Description**
This course covers a broad range of cultural topics in Latin American and Caribbean studies from music, art, language, film, journalism, dance, poetry, etc. and explores the ways in which cultural expression reflects and criticizes social, economic and political forces in the region. Different topics will be chosen each term.

LATAMER412S - Afro-Latin America

**Description**
This course focuses on the position of Blacks in the national histories and societies of Latin America from slavery to the present day. Emphasis is on an interdisciplinary engagement with issues and critical discussion of national images contrasted with the realities of blackness. We will explore the connections between race, gender, sexuality, and representation in national and transnational encounters and the consequences of the migration of people and ideas within the hemisphere. Countries to be explored include Cuba, Brazil, the Dominican Republic, Puerto Rico, Argentina, Mexico, Haiti, and Peru.

LATAMER438SA - Global Madrid

**Description**
Focusing on Madrid's porous LatinX landscape, this course draws comparative perspectives across countries and cultures. Madrid's demographic growth, at least since the late-1980s, includes migrants from Bolivia, Colombia, the Dominican Republic, Ecuador, Honduras, Paraguay, Peru, and Venezuela. Rather than drawing clear-cut 'authenticating' distinctions between LatinX and 'the rest,' this seminar places Latin and X—LatinX—in dialogue with the Iberian Peninsula and Spanish-speaking 'communities' alongside sociocultural imaginaries that enmesh Spaniards, Latin Americans, Latino/a/Xs, and beyond. Taught at Duke in Madrid.

LATAMER439SA - Global Spain

**Description**
This Duke in Spain course draws from comparative perspectives across countries and cultures. It links Madrid's socio-cultural turning points vis-à-vis national and international migration to other geographies where Spanish is spoken. Forming a nexus with broader Spanish-language mobile circuits—as evinced, for example, through U.S. Latino/a/x populations—this seminar explores the Spanish capital as a global urban epicenter and primary destination site for migrants from Africa, the Americas, Europe, and Asia. Prerequisite: Spanish 204 or equivalent.
LATAMER450S - The Global Caribbean

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<tr>
<td>LATAMER</td>
<td>450S</td>
<td>The Global Caribbean</td>
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</table>

**Description**
The course introduces students to the Caribbean as a transnational space that reflects the global dynamics associated with flows of bodies via migration, labor, and goods all of which have undergirded the birth and evolution of the (primarily) Atlantic world economy. The Global Caribbean will have a historical sociological bent that frames the region as the first modern colonial space which has served as a template for other projects of colonial and postcolonial development elsewhere in the world. Emphasis will be on the way that freedoms and unfreedoms operate in the Caribbean and elsewhere. Discussions of how knowledge has conditioned the representation of the region will be entertained.

LATAMER471S - Capstone Seminar: Latin American Left Turns: A New Politics for the 21st Century?

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<tr>
<th>Subject</th>
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<tbody>
<tr>
<td>LATAMER</td>
<td>471S</td>
<td>Capstone Seminar: Latin American Left Turns: A New Politics for the 21st Century?</td>
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</tbody>
</table>

**Description**
Examination of issues surrounding the upsurge of leftist governments elected by the popular vote in the wake of the perceived failures of neoliberalism and the Washington consensus of 1989. Looks at ways Washington has had to come to terms with an unexpected revival on the left that threatens U.S. hegemony while offering an alternative path to achieve national development, distribution of wealth, and recognition of diversity and pluralism. Students will examine these issues from multiple viewpoints and develop projects based on choosing specific research foci within the general enterprise of what these government share in common and how they differ.

LATAMER490A - Duke-Administered Study Abroad: Advanced Special Topics in Latin American Studies

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<th>Subject</th>
<th>Catalog Number</th>
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<tbody>
<tr>
<td>LATAMER</td>
<td>490A</td>
<td>Duke-Administered Study Abroad: Advanced Special Topics in Latin American Studies</td>
</tr>
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</table>

**Description**
Topics differ by section.

LATAMER490S - Special Topics in Latin American and Caribbean Studies

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<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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<tbody>
<tr>
<td>LATAMER</td>
<td>490S</td>
<td>Special Topics in Latin American and Caribbean Studies</td>
</tr>
</tbody>
</table>

**Description**
Interdisciplinary study of geographical, historical, economic, governmental, political, and cultural aspects of modern Latin America and the current issues facing the region. Specific topics will vary from year to year.

LATAMER89S - First Year Seminar in Latin American and Caribbean Studies

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<tbody>
<tr>
<td>LATAMER</td>
<td>89S</td>
<td>First Year Seminar in Latin American and Caribbean Studies</td>
</tr>
</tbody>
</table>

**Description**
Topics vary by semester.

LATIN101 - Elementary Latin

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<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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<tbody>
<tr>
<td>LATIN</td>
<td>101</td>
<td>Elementary Latin</td>
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</tbody>
</table>

**Description**
Study of the structure of the language (i.e., forms, vocabulary, syntax, and pronunciation); selected readings in prose and poetry.
LATIN102 - Elementary Latin
Subject: LATIN
Catalog Number: 102
Title: Elementary Latin
Description: Second half of Latin 101, 102. Prerequisite: Latin 101.

LATIN203 - Intermediate Latin
Subject: LATIN
Catalog Number: 203
Title: Intermediate Latin
Description: Readings in Latin literature: Cicero, Livy, Pliny the Younger, and Ovid. Review of grammar essentials accompanies students' transition to reading some of the Latin greats.

LATIN203A-1 - Intermediate Latin: Caesar's Civil War
Subject: LATIN
Catalog Number: 203A-1
Title: Intermediate Latin: Caesar's Civil War

LATIN25 - Introduction to Literature
Subject: LATIN
Catalog Number: 25
Title: Introduction to Literature
Description: This number represents course credit for a score of 4 or 5 on one or more of the College Board Advanced Placement tests in Latin

LATIN251 - Refresher Latin for First-Year Students
Subject: LATIN
Catalog Number: 251
Title: Refresher Latin for First-Year Students
Description: This course is for first-year students who have had high school Latin and want or need a single refresher or preparatory course to transition to advanced (300-level) Latin. It includes grammar review and readings of real (unsimplified) prose and poetry texts not read in high school. Students must have at least 3 years of high school Latin (or the equivalent).

LATIN252 - Advanced Intermediate Latin
Subject: LATIN
Catalog Number: 252
Title: Advanced Intermediate Latin
Description: The culture of Republican and Augustan Rome: selections from Cicero, Catullus, Vergil, Horace, Ovid or similar. Recommended prerequisite: Latin 203 or equivalent.

LATIN291 - Independent Study
Subject: LATIN
Catalog Number: 291
Title: Independent Study
Description: Individual non-research directed study in a field of special interest on a previously approved topic, under the supervision of a faculty member, resulting in an academic and/or artistic product. Consent of instructor and director of undergraduate studies required.

LATIN293 - Research Independent Study
Subject: LATIN
Catalog Number: 293
Title: Research Independent Study
Description: Individual research in a field of special interest under the supervision of a faculty member, the central goal of which is a substantive paper or project containing significant analysis and interpretation of a previously approved topic. Open only to qualified juniors and seniors; for seniors, the paper or project may partially fulfill the requirements for graduation with distinction. Consent of instructor and director of undergraduate studies required.
LATIN301A-1 - Advanced Latin

Subject: LATIN
Catalog Number: 301A-1
Title: Advanced Latin

Description: Readings vary. Taught at the Intercollegiate Center for Classical Studies in Rome. Consent required.

LATIN302S - The Catilinarian Conspiracy

Subject: LATIN
Catalog Number: 302S
Title: The Catilinarian Conspiracy

Description: Examines the primary evidence surrounding Catiline's plot to seize power at Rome. The affair involved some of Republican Rome's greatest leaders—Cicero, Caesar, and Cato. But did one of history's most famous conspiracies actually take place? Readings in Latin from Cicero and Sallust.

LATIN304S - History and Biography

Subject: LATIN
Catalog Number: 304S
Title: History and Biography

Description: Readings in one or more Roman historical works, illuminating key themes, periods, historiographical conventions, and especially ancient historiography's role as font of moral and ethical exempla. Authors might include Caesar, Sallust, Livy, Tacitus, Ammianus Marcellinus, Gregory of Tours, Suetonius, etc. Students must have two years of Latin or equivalent.

LATIN305S - Roman Historians

Subject: LATIN
Catalog Number: 305S
Title: Roman Historians

Description: Readings in one or more Roman historians, illuminating historiographical conventions and social, cultural, and political history. Authors might include Caesar, Livy, Tacitus, etc. Students must have two years of Latin or equivalent.

LATIN307S - Philosophy in Rome

Subject: LATIN
Catalog Number: 307S
Title: Philosophy in Rome

Description: Study of literary works that incorporate philosophical content. Identification and evaluation of this content and of the interaction between literary setting and philosophical material.

LATIN308S - Latin Epistle

Subject: LATIN
Catalog Number: 308S
Title: Latin Epistle

Description: Readings in the form, function, history, and conventions of the Latin epistle. Material might range from the letters of Cicero, Cyprian, Augustine, Jerome, or medieval collections; from Seneca's Letters to Lucilius to Ovid's Heroides or Pliny's correspondence with the Emperor Trajan. Students must have two years of Latin or equivalent.

LATIN312S - Oratory/ Rhetoric

Subject: LATIN
Catalog Number: 312S
Title: Oratory/ Rhetoric

Description: Readings in Roman oratory and rhetoric. Focus on negotiation of power through public speech, definitions of identity, and public construction of cultural norms. Authors and works might include Cicero, Quintilian's Institutes of Oratory, Tacitus' Dialogue on Oratory, Seneca the Elder, selected speeches from Roman historians, etc. Students must have two years of Latin or equivalent.

LATIN316S - Latin Novel

Subject: LATIN
Catalog Number: 316S
Title: Latin Novel

Description: Readings in Latin novel, with special attention to the form's literary predecessors and its particular illumination of social, economic, and cultural features of the Roman world. Authors include Petronius and/or Apuleius. Students must have two years of Latin or equivalent.
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<th>Subject</th>
<th>Catalog Number</th>
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<tr>
<td>LATIN320S</td>
<td>320S</td>
<td>Ovid</td>
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<td>Subject</td>
<td>Catalog Number</td>
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<td>LATIN322S</td>
<td>322S</td>
<td>Vergil</td>
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<td>Subject</td>
<td>Catalog Number</td>
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<td>LATIN324S</td>
<td>324S</td>
<td>Latin Epic</td>
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<td>Subject</td>
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<td>LATIN326S</td>
<td>326S</td>
<td>Latin Lyric</td>
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<td>Subject</td>
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<td>LATIN328S</td>
<td>328S</td>
<td>Elegy</td>
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<td>Subject</td>
<td>Catalog Number</td>
<td>Title</td>
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<td>LATIN332S</td>
<td>332S</td>
<td>Drama</td>
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<td>Subject</td>
<td>Catalog Number</td>
<td>Title</td>
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<td>LATIN336S</td>
<td>336S</td>
<td>Satire</td>
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<tr>
<td>Subject</td>
<td>Catalog Number</td>
<td>Title</td>
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<tr>
<td>LATIN356S</td>
<td>356S</td>
<td>Lucretius: On the Nature of Things</td>
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<td>Subject</td>
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<tr>
<td>LATIN360S</td>
<td>360S</td>
<td>Latin of the Late Roman Republic</td>
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<td>LATIN362S</td>
<td>362S</td>
<td>Latin Panegyric: Praise and Blame in Latin Letters and Life</td>
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<tr>
<td>LATIN368S</td>
<td>368S</td>
<td>Pliny and Martial</td>
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<tr>
<td>LATIN370S</td>
<td>370S</td>
<td>Ancient Autobiography: Augustine's Confessions</td>
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<td>LATIN376S</td>
<td>376S</td>
<td>Medieval Latin</td>
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<tr>
<td>LATIN390S</td>
<td>390S</td>
<td>Special Topics in Latin Literature</td>
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**Latin of the Late Roman Republic**

**Description**
Course designed to study literature of the Roman Republic's final years, prior to transition to imperial rule. Texts will offer primary evidence of how Roman citizens viewed the radical changes taking place in Republican Rome, and how these created the social 'stress fractures' that led to prolonged, bloody civil war, and finally to one-man rule. Readings could include such authors as Catullus, Cicero, Sallust, Caesar, Varro. Prerequisite: Latin 101, 102, 203, and 204 or the equivalent.

**Latin Panegyric: Praise and Blame in Latin Letters and Life**

**Description**
Readings in the peculiarly Roman tradition of praise for public figures, which often includes censure of others. Authors and works might include Cicero, Pliny the Younger, and the XII Panegyrici Latin, and readings will be in both prose and poetry. Attention will be paid to genre and to the widely varied historical contexts of our readings.

**Pliny and Martial**

**Description**
Study of Roman history and society from Domitian to Trajan through the writings of Pliny the Younger and Martial. Emphasis on how literature and society construct and inform each other at critical moments in Roman history. Students must have two years of Latin or equivalent.

**Ancient Autobiography: Augustine's Confessions**

**Description**
Readings in Latin and in English translation from the Confessions, St. Augustine's intimate and influential spiritual autobiography. Important topics include the genre of ancient autobiography, the relation of Christianity to Greco-Roman literature and culture, the nature of good and evil, memory and time, human motivation, self-transformation, and self-knowledge.

**Medieval Latin**

**Description**
Survey of medieval Latin literature, sampling authors and genres from Late Antiquity through the Italian Renaissance. Genres may include biblical literature, late ancient and medieval hynms, letters, medieval plays, sacred and secular poetry including epic, historiography, and Arthurian literature.

**Special Topics in Latin Literature**

**Description**
Prerequisite: the completion of second-year or third-year Latin, depending on the topic.
LATIN491 - Independent Study
Subject: LATIN
Catalog Number: 491
Title: Independent Study
Description: Individual non-research directed study in a field of special interest on a previously approved topic, under the supervision of a faculty member, resulting in an academic and/or artistic product. Consent of instructor and Director of Undergraduate Studies required.

LATIN493 - Research Independent Study
Subject: LATIN
Catalog Number: 493
Title: Research Independent Study
Description: Individual research in a field of special interest under the supervision of a faculty member, the central goal of which is a substantive paper or project containing significant analysis and interpretation of a previously approved topic. Open only to qualified juniors and seniors; for seniors, the paper or project may partially fulfill the requirements for graduation with distinction. Consent of instructor and director of undergraduate studies required.

LINGUIST113FS - Race and Language
Subject: LINGUIST
Catalog Number: 113FS
Title: Race and Language
Description: We will examine the relationship between race and language by interrogating texts in medical ethics, gleaning from them wider lessons for navigating prior controversies at the juncture of racial and social difference and medicine (for instance, phrenology and eugenics). We will also examine features of medical and scientific practice that overlap with the study of language, such as contract, disclosure, survey design and policymaking, and how the medical profession and medical practice work to correct past mistakes in interactions with different communities of race.

LINGUIST121FS - Sleep in Society: History, Culture, and Medicine
Subject: LINGUIST
Catalog Number: 121FS
Title: Sleep in Society: History, Culture, and Medicine
Description: Exploration of sleep as it intersects anthropology, history, psychology, neurology, sociology, linguistics, and public policy. Topics range from normal sleep and circadian rhythms to the evolution of sleep and sleep habits around the world. Social determinants of sleep in the United States are considered. Students discuss racism and public policies in sleep health, the costs of massive societal sleep deprivation, the history and cultural narratives of dream interpretation, and principles of clinical sleep medicine. Open only to students in the Focus Program.
LINGUIST125FS - Languages, Margins, Borders: Representations, Practices, and Policies

Subject: LINGUIST
Catalog Number: 125FS
Title: Languages, Margins, Borders: Representations, Practices, and Policies

Description
Examines the relationships between language and contemporary migration patterns that, directly or indirectly, affect millions of people across the globe, focusing especially on migration flows related to humanitarian challenges. Divided into three key themes, it analyzes the representation of migrants and migration in media and culture; language practices of migrants, including translanguaging and language learning; and policies towards migrants and their languages that pertain to governance in linguistically diverse societies. Interdisciplinary in approach, readings are drawn from linguistic anthropology and sociolinguistics, as well as political sociology and public policy studies.

LINGUIST170 - Advertising and Society: Global Perspective (DS4)

Subject: LINGUIST
Catalog Number: 170
Title: Advertising and Society: Global Perspective (DS4)

Description
History and development of commercial advertising; advertising as a reflector and/or creator of social and cultural values; advertisements as cultural myths; effects on children, women, and ethnic minorities; advertising and language; relation to political and economic structure; and advertising and world culture. Emphasis on American society complemented by case studies of advertising in Canada, Japan, Mexico, Russia, Western Europe, and selected other countries.

LINGUIST170D - Advertising and Society: Global Perspective (DS4)

Subject: LINGUIST
Catalog Number: 170D
Title: Advertising and Society: Global Perspective (DS4)

Description
Same as Cultural Anthropology 170 except instruction is provided in lecture and discussion group each week.

LINGUIST190A - Duke-Administered Study Abroad: Special Topics in Linguistics

Subject: LINGUIST
Catalog Number: 190A
Title: Duke-Administered Study Abroad: Special Topics in Linguistics

Description
The study of linguistics and languages on Duke-approved programs at foreign institutions of higher learning. Topics differ by section.

LINGUIST190FS - Special Topics in Linguistics

Subject: LINGUIST
Catalog Number: 190FS
Title: Special Topics in Linguistics

Description
Topics vary by semester. For students in the FOCUS program.

LINGUIST201 - Introduction to Linguistics

Subject: LINGUIST
Catalog Number: 201
Title: Introduction to Linguistics

Description
Introduction to the scientific study of linguistics and languages. Topics include the origin and nature of language, methods of historical and comparative linguistics, theories and schools of linguistics, empirical and descriptive approaches to the study of language, including phonology, morphology, semantics, and syntax.
LINGUIST202 - Languages of the World

Subject: LINGUIST
Catalog Number: 202
Title: Languages of the World

Description:
The major languages of the world viewed in the context of the communicative and significate functions of language as parameters that shape and define society. The role of language in defining and structuring culturally-based relationships from a semiotic point of view. The structure, writing systems, phonology, morphology, and lexicon of languages from the following groups: Indo-European, Semitic, Turkic, Finno-Ugric, Caucasian, Afroasiatic, Sino-Tibetan, Niger-Kordofanian, Dravidian, and Native American languages.

LINGUIST203 - Elements of Linguistic Structure

Subject: LINGUIST
Catalog Number: 203
Title: Elements of Linguistic Structure

Description:
Examination of the main aspects of the phonemic systems and sound patterns and alternations of various languages that belong to different linguistic families, their word formation processes and mechanisms, and their phrasal and sentential syntactic structures and representations. Topics include the main issues in the field and theoretical approaches to natural languages and to language variation and change.

LINGUIST204 - History of English

Subject: LINGUIST
Catalog Number: 204
Title: History of English

Description:
Introduction to methods and principles of historical linguistics, as exemplified by the history of the English language from Proto-Indo-European to the present. Not open to students who have taken English 208S. Satisfies the Criticism, Theory, and Methodology (CTM) for English majors.

LINGUIST205 - The Law and Language

Subject: LINGUIST
Catalog Number: 205
Title: The Law and Language

Description:
Intersections of language and law and legal institutions examined from a comparative approach, i.e., official state language and national identity; freedom of speech and its limitations; language as property.

LINGUIST206 - Variety in Language: English in the United States

Subject: LINGUIST
Catalog Number: 206
Title: Variety in Language: English in the United States

Description:
English language variation in the United States considered from a current sociolinguistic perspective. Social, regional, ethnic, gender, and stylistic-related language variation, along with models for describing and applying knowledge about language variation. Language variation focused on vernacular varieties of American English in general and on North Carolina in particular.

LINGUIST207 - Psychology of Language

Subject: LINGUIST
Catalog Number: 207
Title: Psychology of Language

Description:
Examination of linguistic structures and their psychological ‘reality,’ language and cognition, biological bases, animal communication, language pathologies, nonverbal communication, and bilingualism. Everyday language phenomena (such as slips of the tongue) as well as experimental and theoretical research. Emphasis on research designs, methods and reasoning used to study the role of language in cognition and action. Research proposal required.
### LINGUIST207-2 - Psychology of Language

**Subject**: LINGUIST  
**Catalog Number**: 207-2  
**Title**: Psychology of Language  

**Description**
Examination of linguistic structures and their psychological 'reality,' language and cognition, biological bases, animal communication, language pathologies, nonverbal communication, and bilingualism. Everyday language phenomena (such as slips of the tongue) as well as experimental and theoretical research. Emphasis on research designs, methods and reasoning used to study the role of language in cognition and action. Research proposal required.

### LINGUIST208 - Philosophy of Mind

**Subject**: LINGUIST  
**Catalog Number**: 208  
**Title**: Philosophy of Mind  

**Description**
Such topics as mind and body, the nature of thought, perception, consciousness, personal identity, and other minds. The relevance of cognitive psychology, neuroscience, and computer science to the philosophy of mind.

### LINGUIST209 - Philosophy of Language

**Subject**: LINGUIST  
**Catalog Number**: 209  
**Title**: Philosophy of Language  

**Description**
A philosophical analysis of problems arising in the study of language and symbolism. Topics include: theories of language, the nature of signs and symbols, theories of meaning, types of discourse (scientific, mathematical, poetic), definition, ambiguity, metaphor.

### LINGUIST211 - Computational Approaches to Human Language

**Subject**: LINGUIST  
**Catalog Number**: 211  
**Title**: Computational Approaches to Human Language  

**Description**
This course will explore a range of techniques designed to help machines perform tasks involving human language. We will cover both rules-based and machine learning approaches for morphological, syntactic, semantic, co-reference, and discourse processing. We will also touch on issues involved in natural language understanding, such as cognitive and linguistic phenomena and applications that can benefit from natural language processing such as question answering, machine translation, and spoken language understanding.

### LINGUIST212FS - Law, Ethics & Responsibility

**Subject**: LINGUIST  
**Catalog Number**: 212FS  
**Title**: Law, Ethics & Responsibility  

**Description**
Examines the intersection of law and neuroscience, including the use of neuroimaging to determine if a witness is telling the truth; the implications of neuroscience for determining the mental competency of defendants, the insanity defense, the imposition of punishment on defendants. Considers the extent to which recent advances in brain science cause us to reevaluate fundamental legal concepts of 'intent,' 'insanity,' and responsibility; the ways in which neuroscience may be applied to these and related issues; and the inherent limitations and incongruities of applying brain science to legal questions.

### LINGUIST213FS - The Politics of Language

**Subject**: LINGUIST  
**Catalog Number**: 213FS  
**Title**: The Politics of Language  

**Description**
Examines the political role of language in societies as diverse as China, India, the former Soviet Union, the UK and the US. Looks at how state and non-state actors influence citizens' language practices, and their beliefs about language. Drawing on political theory, sociology and sociolinguistics, we look at how language policies reflect and produce sociopolitical realities. Topics covered include migration, citizenship, nationalism and decolonization. Open to students in the Focus Program only.
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<th>Subject</th>
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<tbody>
<tr>
<td>LINGUIST216FS</td>
<td>216FS</td>
<td>Neuroscience and Human Language</td>
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**Description**
Same as Linguist 216S; open only to students in the Focus Program. Prerequisite: Advanced placement credit in Biology.

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<th>Subject</th>
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<tbody>
<tr>
<td>LINGUIST217FS</td>
<td>217FS</td>
<td>Language, Thought, and Culture</td>
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</table>

**Description**
Examines how language, thought, and culture are interrelated processes and structures. Takes a sociolinguistic perspective that language and society are intertwined, to understand how language either constrains or influences thought, how culture and language interact, and how culture is constructed through cognition. Course covers the study of signs (semiotics), cultural and linguistic depictions of people, groups, and issues (representation and discourse analysis), individual and societal beliefs about language itself (language ideologies), how meaning is created and perceived (semantics), and how speakers use language in real-life situations (linguistic anthropology). Open only to students in Focus Program. Department consent required.

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<tbody>
<tr>
<td>LINGUIST219S</td>
<td>219S</td>
<td>North Indian Classical Music: Structure, Culture and Lyric</td>
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</table>

**Description**
North Indian classical music (NICM) has a rich history of three thousand years with influences from multiple cultures/languages. This course will explore linguistic/cultural/musical aspects of NICM culture. Texts and music include Bandishes (songs), using four different languages – Sanskrit, Hindi, Urdu, and Brajbasha, exploration of multilingual and multicultural aspects of text and melody construction, fundamental monophonic musical structure and improvisation (NICM-based definitions of raaga (melody) and thala(rhythm). Theoretical principles include the Bhathkandes notation system. Live performances of main ragas and compositions in different dialects. Students learn to play tanpura, a traditional instrument.

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<tr>
<td>LINGUIST250</td>
<td>250</td>
<td>Symbolic Logic</td>
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</table>

**Description**
Detailed analysis of deduction and of deductive systems. Open to sophomores by consent of instructor.
LINGUIST301 - Advanced Spanish Grammar

Subject: LINGUIST
Catalog Number: 301
Title: Advanced Spanish Grammar

Description: Intended to foster students' reflection on Spanish grammar and to consolidate students' knowledge of the system of rules underlying the Spanish language. Special attention is given to grammar in oral and written communication. Recommended prerequisite: Spanish 204 or appropriate placement test score.

LINGUIST302S - French Phonetics

Subject: LINGUIST
Catalog Number: 302S
Title: French Phonetics

Description: Theory and practice of French pronunciation, corrective phonetics, intonation, accentuation, syllabification, elision and liaison. Focus on areas of speech production in French that are generally the most difficult for native speakers of English. Comprehension, dictation, and recitation exercises; interactive video and audio activities; self-assessment tasks; and end of term individual improvement grade.

LINGUIST304S - French Composition and Translation

Subject: LINGUIST
Catalog Number: 304S
Title: French Composition and Translation

Description: Advanced translation and stylistics. Cultural and social difference between French and English patterns in written and oral expression. Extensive practice in translation of different types of texts. Equivalencies between French and English. Recommended prerequisite: French 204 or equivalent.

LINGUIST305S - Italian Sociolinguistics

Subject: LINGUIST
Catalog Number: 305S
Title: Italian Sociolinguistics

Description: Linguistic diversity in modern Italy. Social and geographic language variation, multilingualism, and the relationship between language and dialect. Special codes, including youth slang, language and politics, language and bureaucracy. Discussion of language and gender, language and racism, linguistic etiquette within Italian society.

LINGUIST306S - Korean Sociolinguistics

Subject: LINGUIST
Catalog Number: 306S
Title: Korean Sociolinguistics

Description: Examination of Korean language in social and cultural contexts from sociolinguistic and linguistic anthropological points of view. Focus on construction of cultural identities, social order and interpersonal relationships through everyday language use. Honorifics and language ideology, language and gender, regional and social variations, language contact and language policy in contemporary Korea. Sociolinguistics literature introducing conceptual frameworks and empirical research on specifics of language in use and synchronic and diachronic variations. Readings and class conducted in English. Prerequisite: Familiarity with Korean or basics of Linguistics.

LINGUIST308S - Bilingualism

Subject: LINGUIST
Catalog Number: 308S
Title: Bilingualism

Description: Examination of bilingualism at the individual, interpersonal, and social levels from psycholinguistic, socio-linguistic, anthropological, and educational perspectives. Issues to include the relation between language and cognition, language development, language identity, socio-linguistic practices in multicultural settings, language maintenance, and language policy and planning.
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<tbody>
<tr>
<td>LINGUIST</td>
<td>309S</td>
<td>Spanish in the U.S.</td>
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<tr>
<td>LINGUIST</td>
<td>310</td>
<td>Translating Spanish-English and English-Spanish</td>
</tr>
<tr>
<td>LINGUIST</td>
<td>315S</td>
<td>Acquisition of Japanese as a Second Language</td>
</tr>
<tr>
<td>LINGUIST</td>
<td>325S</td>
<td>Literary Translation: History, Theory, and Practice</td>
</tr>
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</table>

**LINGUIST309S - Spanish in the U.S.**

**Description**
Focus on linguistic development and current presence of Spanish in the United States. Students will develop linguistic and critical awareness about the relationship between Spanish language and society, with special emphasis on topics such as language variety, language contact from a social, political and educational perspective, types of bilingualism, sociolinguistic issues, migration patterns and settlements, etc. Readings in English and in Spanish with class discussion in Spanish. Previous 300-level Spanish work strongly recommended, or bilingual or nearly bilingual proficiency in Spanish.

**LINGUIST310 - Translating Spanish-English and English-Spanish**

**Description**
Introduction to theories of translation and practice translating Spanish to English and English to Spanish. Students explore key ethical concerns related to translation and interpretation, negotiate translation of cultural references, and give each other feedback on translation drafts and editing. Products created individually or in collaboration include ads, comics, articles, subtitling and dubbing, and reflections on the translation process. This is a community-engaged course. Engagement may include project-based service with community partners among other engaged practices. Prerequisite: 300-level Spanish course or equivalent. Consent of instructor is required.

**LINGUIST315S - Acquisition of Japanese as a Second Language**

**Description**
Examining the Japanese language data used in the development of second language acquisition theories; learning syntactic and semantic properties of the Japanese language and their comparisons with English; reading published empirical studies about acquiring Japanese as a second language and evaluate their arguments; designing an original research to address the current issues in learning and teaching Japanese.

**LINGUIST325S - Literary Translation: History, Theory, and Practice**

**Description**
A study of the theory and practice of translation from antiquity to the present, with a focus on religious, literary, and philosophical texts and the distinctive challenges involved in rendering such works into a different language. Topics include analysis of historically-significant translations, a survey of the history and theory of translation as a practice, a close study of the ethics of translation, and a workshop in which students will prepare, revise, and analyze their own translations. Prerequisite: Three semesters of language.
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<tbody>
<tr>
<td>LINGUIST</td>
<td>337S</td>
<td>Chinese Sociolinguistics</td>
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</table>

**Description**

Investigation of the complex interaction between Chinese linguistic practices and Chinese-speaking societies. Integration of conceptual framework in sociolinguistics and empirical research on sociolinguistics issues in Chinese-speaking societies. Topics including the historical development of the modern Chinese language, regional and social variations, language ideology and language policies, language and identity, language and gender, politeness and cross-cultural communication, language and social media, and language and education. Readings and class conducted in English.

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<tbody>
<tr>
<td>LINGUIST</td>
<td>342S</td>
<td>Languages in Southwest China: Grammar of Multilingualism</td>
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</tbody>
</table>

**Description**

Issues in bilingualism and multilingualism under the context of Southwest China; experimental approaches to bilinguals of Nuosu Yi and Mandarin Chinese, bilinguals of Kham Tibetan and Mandarin Chinese, a total of 4 million people living in Southwest China; theoretical and pedagogical issues specific to minority group languages in China.

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<tr>
<td>LINGUIST</td>
<td>358S</td>
<td>Sociolinguistic Landscapes: German Language, Society, and Identity</td>
</tr>
</tbody>
</table>

**Description**

Introduction to German sociolinguistics. Explores socio-cultural aspects of German language variation (spatial, chronological, social) and construction of social identities through language. Questions addressed: What is the German language, who are its speakers, and what do standard and non-standard varieties look like? How has German evolved, how does it continue to develop, and what factors impact its development? How do social variables (age, gender, social distance, etc.) relate to language use? Texts from linguistics, literature, film/music, and news media analyzed to understand impact of linguistic variation on human, personal experience in German-speaking world. Taught in German.

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<tr>
<td>LINGUIST</td>
<td>364</td>
<td>Gender and Language</td>
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</table>

**Description**

Theoretical approaches to the question of the interrelationship of gender and language including neurobiology, psychology, semiotics, feminist critical theory, philosophy of language, discourse analysis, and linguistic theory. Taught in English.
LINGUIST377S - Language & Identity: How We Construct Identities and Reproduce Social Hierarchies Through Language

Description
Language is a central and pervasive feature of human identity through which we portray ourselves and negotiate social identities. With such practices we re/produce values, norms, social hierarchies, and the privilege these entail. Using examples from media, literature, and ethnographic data we will explore how speakers negotiate social identities through language and how ideas about it inform our understanding and interpretation of society and speakers within it. Topics include language, racism, gender, sexuality, class, ethnicity and ways that language and discourse construct and maintain a sense of belonging, otherness, truth, and value. Not open to students who have taken Romance Studies 207FS.

LINGUIST389S - Linguistic Human Rights in the Americas

Description
This DukeImmerse course brings together topics of language and human rights, focusing on situations of linguistic disparities in the Americas. Explores questions of language contact, bilingualism and endangered languages from perspective of social injustices and human rights. Examines how language aids in the construct of social context and institutions and how it reflects and sustains social realities, reflecting on situations of oppression and how they are associated to sociolinguistic attitudes and behavior. Explores overlap of linguistic human rights with cultural and minority rights; all in connection to the right of maintaining one's identity as well as sustaining human rights. Instructor consent required.

LINGUIST390A - Duke-Administered Study Abroad: Advanced Special Topics in Linguistics

Description
Advanced study of linguistics and languages on Duke-Approved programs at foreign institutions of higher learning. Topics differ by section.

LINGUIST390S - Special Topics in Linguistics

Description
Topics vary each semester.
LINGUIST396S - Language in Immigrant America

Description
Discussion of issues of language in the context of immigration in the United States, from the turn of the 20th century until the present, combining approaches from literature, memoirs, language policy, media studies, and linguistic anthropology. Some fieldwork in an immigrant community. Topics include: identity, assimilation, race, bilingual communities, bilingual education, foreign accents, language contact.

LINGUIST397S - Narratives of Migration

Description
Stories of migration captivate us because they touch on universally important themes: home, family, belonging, identity, pain, loss. In this course, we will explore narratives, or stories, of migration, as told by refugees and immigrants from across the world, through different media: written, spoken, photographed, and constructed digitally on social media. This course approaches narratives of migration primarily from the perspective of sociocultural linguistics and discourse analysis, but we will refer to other scholarly traditions as well. This is a Service-Learning course: students will engage in a mentoring relationship with an immigrant student in a Durham high school.

LINGUIST409S - Identity and Linguistic Rights in the Spanish Speaking Americas

Description
This course focuses on linguistic justice and linguistic rights in interaction with other human rights. The class explores concepts of language, power, linguistic discrimination, and raciolinguistics in the context of bilingualism/multilingualism, indigenous languages, and endangered languages. We will examine how language is used to shape and negotiate identities, and how it reflects and sustains social realities and situations of social inequality. Methodologically, we will use linguistic and sociolinguistic analysis and elements of critical discourse analysis.

LINGUIST410S - Linguistics and Law (DS4)

Description
Topics include surreptitious recordings as criminal evidence; pornography, slander, defamation, and libel; interpretation of laws and contracts; copyright, patents, and trademarks; jury instructions; jury selection; courtroom language as a unique register; the language of judges' decisions; interrogations and confessions; official bilingualism; product warnings; clarity of instructions leading to potential liability issues.

LINGUIST413 - Language and Aging

Description
This course will examine language acquisition, maintenance and loss across the life cycle. Research will include experiments and data collection with healthy subjects and in pathology (including different aphasias and dementias). Special foci include cognitive neurolinguistic approaches to understanding acquisition and maintenance of languages (first, second, third, etc.) across different age groups, bi- and multilingualism in aging, hypotheses about cognitive reserve, use of imaging in understanding languages in the healthy and pathological brain, and developing new protocols for future research.

LINGUIST437S - Language Development

Description
Focuses on a fundamentally unique human ability: learning language. Covers how young children first learn language, including: 1) how children figure out what sounds their language includes; 2) how infants learn words & their meanings; and (3) what kind of processes help babies figure out the grammar of their particular native language. Since young children understand more than they can say, this course also covers the methods available for figuring out what they know, based on experimental and observational data. Students will discuss and present recent research articles and new study ideas.
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<tbody>
<tr>
<td>LINGUIST</td>
<td>450S</td>
<td>Junior/Senior Seminar in Linguistics</td>
<td>Theory and methods of comparative linguistics. Diachronic and synchronic approaches to the study of comparative linguistics in phonology, morphology, morphophonemics, syntax, and lexical categories in the context of the world’s languages. Both Indo-European and non-Indo-European languages included. Topics include theories of reconstruction, languages in contact, abductive processes, and questions of linguistic typology. Major research paper required.</td>
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<tr>
<td>LINGUIST</td>
<td>451</td>
<td>Language and Society</td>
<td>Course examines language as a social practice, focusing on different aspects of its role in social life. Topics addressed include: language and social identity, such as ethnicity, social class, age, and gender; variation in language, including dialects, accents, and registers; multilingualism and language contact; new languages such as pidgins and creoles; language, culture, and intercultural communication; language and ideology; language in education and in the media. Through the discussion of these topics and homework including reading and small research projects, students are introduced to key concepts, theories, and methods in sociolinguistics and linguistic anthropology.</td>
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<tr>
<td>LINGUIST</td>
<td>471S</td>
<td>Language and Politics: Global Perspectives</td>
<td>We will never speak a single language, or agree on the best way to organize society and politics for ‘the good life.’ How do macro-politics affect the language(s) we choose to speak? What public policy initiatives can be deployed so that language is an accessible resource for all? Are there such things as language rights, and how can they be distributed and defended? These questions are not just academic, but essential to understanding the world(s) that we inhabit. This course takes a global and historical approach to the politics of language, examining the relationships between language, society, and the state.</td>
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<td>LINGUIST</td>
<td>473AS</td>
<td>Neuroscience and Multilingualism</td>
<td>In-depth analysis of PET, fMRI, MEG, EEG/ERP studies of multilingualism and their implications for linguistic theory. A close examination of the neuroanatomical and neurophysiological aspects of imaging studies and the importance of neurofunctional explanations play a central role in building new theoretical paradigms of acquisition, maintenance and loss of languages. Offered through Duke in Russia program. Instructor consent required.</td>
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<tr>
<td>LINGUIST473S</td>
<td>473S</td>
<td>Neuroscience and Multilingualism</td>
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<tr>
<td>LINGUIST480S</td>
<td>480S</td>
<td>Critical Discourse Analysis: Theory and Method</td>
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<td>LINGUIST490</td>
<td>490</td>
<td>Special Topics in Linguistics</td>
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<td>LINGUIST490S</td>
<td>490S</td>
<td>Special Topics in Linguistics</td>
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<td>LINGUIST493</td>
<td>493</td>
<td>Research Independent Study</td>
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<td>LINGUIST494</td>
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<td>Research Independent Study</td>
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**LINGUIST473S - Neuroscience and Multilingualism**

**Subject**
LINGUIST

**Catalog Number**
473S

**Title**
Neuroscience and Multilingualism

**Description**
In-depth analysis of PET, fMRI, MEG, EEG/ERP studies of multilingualism and their implications for linguistic theory. A close examination of the neuroanatomical and neurophysiological aspects of imaging studies and the importance of neurofunctional explanations play a central role in building new theoretical paradigms of acquisition, maintenance and loss of languages.

**LINGUIST480S - Critical Discourse Analysis: Theory and Method**

**Subject**
LINGUIST

**Catalog Number**
480S

**Title**
Critical Discourse Analysis: Theory and Method

**Description**
Presents key theories and methodologies of critical discourse analysis (CDA) through substantive practice in analyzing language and discourse in real-world texts, with a focus on understanding ethical implications of how people, events and issues are represented. Theoretical frameworks from e.g. Foucault and Laclau & Mouffe are examined in the context of linguistic approaches from e.g. Saussure, Halliday and Blommaert. Primarily aimed at junior/senior Linguistics majors but open to upper-class/graduate students majoring in allied humanities/social science fields. Some knowledge of language/linguistics is helpful, though not necessary.

**LINGUIST490 - Special Topics in Linguistics**

**Subject**
LINGUIST

**Catalog Number**
490

**Title**
Special Topics in Linguistics

**Description**
Topics vary by semester.

**LINGUIST490S - Special Topics in Linguistics**

**Subject**
LINGUIST

**Catalog Number**
490S

**Title**
Special Topics in Linguistics

**Description**
Topics vary by semester.

**LINGUIST493 - Research Independent Study**

**Subject**
LINGUIST

**Catalog Number**
493

**Title**
Research Independent Study

**Description**
Individual research and reading in a field of special interest, under the supervision of a faculty member, resulting in a substantive paper or written report containing significant analysis and interpretation of a previously approved topic. Consent of instructor and director of undergraduate studies required.

**LINGUIST494 - Research Independent Study**

**Subject**
LINGUIST

**Catalog Number**
494

**Title**
Research Independent Study

**Description**
See Linguistics 493. Consent of instructor and director of undergraduate studies required.
**LINGUIST497 - Second Language Acquisition and Research**

**Subject**: LINGUIST  
**Catalog Number**: 497  
**Title**: Second Language Acquisition and Research  

**Description**
Addresses historical and current perspectives on second language acquisition. SLA is the study of processes that contribute to learning a language other than the first language. The course will focus on linguistic, cognitive, and sociocultural processes that contribute to the acquisition of the L2. Research methodologies, neuroimaging, and data interpretation will be emphasized. Recommended prerequisite (for Neuroscience majors): Neuroscience 101 or 102.

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**LINGUIST498 - Cyber Law: Law, Language, and Computers**

**Subject**: LINGUIST  
**Catalog Number**: 498  
**Title**: Cyber Law: Law, Language, and Computers  

**Description**
Cyber law refers to the legal principles that govern the creation, use of computers, software, and computer networks, or that relate to the transfer, use, and storage of electronic information. In this course we will analyze the key legal principles concerning: ownership of the designs of integrated circuits and computer software; crimes involving the use of computers; protection of electronic data, with particular concern for the protection of privacy interests; freedom of expression on the internet. There will be several over-arching meta-themes in this course, and other related themes. This course is designed for students with little or no familiarity with the American legal system.

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**LINGUIST89S - First-Year Seminar Special Topics**

**Subject**: LINGUIST  
**Catalog Number**: 89S  
**Title**: First-Year Seminar Special Topics  

**Description**
First year seminar devoted to relevant topics in the field of linguistics, including sociolinguistics, neurolinguistics, cognitive linguistics, linguistic theory, languages of the world, language and identity, language and migration, language and media, language and culture, and language and law.

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**LIT102 - Introduction to African American Studies**

**Subject**: LIT  
**Catalog Number**: 102  
**Title**: Introduction to African American Studies  

**Description**
A range of disciplinary perspectives on key topics in African American Studies: slavery and abolitionism, theories of race and racism, gender and race, the era of Jim Crow, cultural expressions, political and intellectual thought, African American freedom struggles from the seventeenth through the twentieth centuries, and race and public policy.

---

**LIT103 - American Indian Nations Today**

**Subject**: LIT  
**Catalog Number**: 103  
**Title**: American Indian Nations Today  

**Description**
This course is an introduction to the tremendous diversity of contemporary American Indian sovereign nations’ and their citizens’ experiences in the territory now known as the United States. American Indian Nations Today addresses the complexities of contemporary Native Nation topics by providing context for understanding the distinct political, legal, economic, social, and cultural institutions of Native Nations today. These topics and issues are analyzed from individual, local, and national Native and non-Native perspectives through readings, media, and occasional guest speakers.

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**LIT104 - American Indians Go Graphic**

**Subject**: LIT  
**Catalog Number**: 104  
**Title**: American Indians Go Graphic  

**Description**
Introductory-level American Indian Studies course that explores historic and contemporary Native Nation-centric topics through the medium of comic books and graphic novels. These topics include representation and racialization, differing forms of activism, economic development, and settler-colonial impacts.
### LIT111S - Embodied Blackness

**Description**
How is race embodied and how are bodies racialized? How do gender, sexuality, class, size, perceived beauty, and ability mutually influence embodiment? This course considers anthropological and historical studies of the body, with a critical focus on Blackness. We investigate how Black human bodies are othered, valued, dehumanized, and experienced, across time and space, with a particular focus on the United States.

### LIT188FS - Games and Culture: Gateway to the Study of Games

**Description**
Examines analog and computer games from a cultural perspective. Explores how prevailing culture and values affect game design, popularity, and experience. How games affect those areas of culture, such as imagining disaster, utopia and dystopia. Explores role-playing and identity, ethics, group behavior, competition, politics, gender, race, and aesthetics.

### LIT190 - Special Topics in Literature

**Description**
Introduction to the study of literature and other forms of cultural expression, such as film. Different introductory approaches will be used in each section (for example, a systematic account of literary genres, a historical survey of ideas and forms of fiction, concepts of authorship and subjectivity, or of literary meaning and interpretation). More than one national literature or culture represented.

### LIT190FS - Special Topics in the Focus Program

**Description**
Topics vary. Open only to students in the Focus Program.

### LIT190S - Special Topics: Introduction to Literature

**Description**
Introduction to the study of literature and other forms of cultural expression, such as film. Different introductory approaches will be used in each section (for example, a systematic account of literary genres, a historical survey of ideas and forms of fiction, concepts of authorship and subjectivity, or of literary meaning and interpretation). More than one national literature or culture represented.

### LIT198FS - Performing Science: Experimentation, Collaboration, and Artistry

**Description**
Combines a historical survey of science-themed plays with an examination of sci-arts initiatives such as the University of Western Australia’s Symbiotica; the Art & Science Laboratory in New Mexico; and the UK’s Centre for Performance Science. Central course questions: How can performing arts improve public awareness and knowledge about complex scientific ideas and research? What points of view and methods of research do artists bring to scientific inquiry and vice-versa? We will pay particular attention to secondary schools, contemporary art installations, and science museums as public laboratories for experimental, embodied collaborations across the two disciplines. Open only to students in the Focus Program. Department consent required.
### LIT199 - LGBTQ/Queer Cinema and Cultural Production

**Subject**  | **Catalog Number** | **Title** |
--- | --- | --- |
LIT | 199 | LGBTQ/Queer Cinema and Cultural Production |

**Description**
This class investigates LGBTQ identities, communities and relationships pre, post, and during the Stonewall era through cinema, television, and new media. We will also explore constructions of sexuality, gender, class, race, and nationalism within the context of LGBTQ transnational film cultures and scholarship.

### LIT201S - Introduction to Global Cultural Studies

**Subject**  | **Catalog Number** | **Title** |
--- | --- | --- |
LIT | 201S | Introduction to Global Cultural Studies |

**Description**
Introductory course for the Literature Major in Global Cultural Studies. Examines how the work of the humanities provides conceptual and analytic skills for processing complex textual, cultural, scientific, mediatic, and ethical information in circulation in the contemporary world. Begins by asking what Global Cultural Studies is and why exploring culture in a global frame is important in our world today. Focuses on a particular area of cultural production and combines theoretical and historical analysis with concrete exploration of films and other media, literary texts, and other cultural material.

### LIT202 - Introduction to Performance Studies

**Subject**  | **Catalog Number** | **Title** |
--- | --- | --- |
LIT | 202 | Introduction to Performance Studies |

**Description**
Introduction to field of performance studies, with examples drawn from music, dance, theatre, performance art, protests, rituals, and everyday life. Through comparative study of global performance, we explore the usefulness of concepts of ritual, play, and performativity as they relate to performance and technology; intercultural performance and implications and ethics of appropriation and borrowing; originality and imitation; archive and repertoire; performative writing; and the performative dimensions of gender, race, and sexuality.

### LIT205 - The Problem of Love in Western Literature

**Subject**  | **Catalog Number** | **Title** |
--- | --- | --- |
LIT | 205 | The Problem of Love in Western Literature |

**Description**
Love causes problems. It can inspire passion or madness; foster alliances, destroy friendships, provoke war, broker peace. It impacts communities and raises fundamental questions about life. Exploring amorous discourse from two millennia—Plato's erotic ascent, Virgil's deceived Dido, Ovid's rules of seduction, Boccaccio's legitimation of female desire, Michelangelo's homoerotic poetry, Leonardo's sublimated impulses, Foscolo's tragic obsession, comic uncertainties of Svevo's modern lovers, and love from afar in Montale—we will see what changes, what persists, and ultimately come to understand what we mean when we talk about love today.
LIT205S - The Problem of Love in Western Literature

Subject: LIT
Catalog Number: 205S
Title: The Problem of Love in Western Literature

Description: Love causes problems. It can inspire passion or madness; foster alliances, destroy friendships, provoke war, broker peace. It impacts communities and raises fundamental questions about life. Exploring amorous discourse from two millennia – Plato's erotic ascent, Virgil's deceived Dido, Ovid's rules of seduction, Boccaccio's legitimation of female desire, Michelangelo's homoerotic poetry, Leonardo's sublimated impulses, Foscolo's tragic obsession, comic uncertainties of Svevo's modern lovers, and love from afar in Montale—we will see what changes, what persists, and ultimately come to understand what we mean when we talk about love today.

LIT210 - Robots and Monsters: Unruly Hu

Subject: LIT
Catalog Number: 210
Title: Robots and Monsters: Unruly Hu

Description: What if humans had the power to create intelligent life. What would they do with that power? What would such creatures be like? These questions have captivated the imagination of storytellers for thousands of years. Prometheus stole the power to create life from the Greek gods. The Rabbi of Prague brought a clay creature to life with magical incantations. Frankenstein accomplished it with science on the operating table. And computer programmers try to build such creatures with AI technology. In stories, the end is always the same: the creature gets out of control, it threatens its creator and needs to be subdued. In this course, we will read stories of human effort to bring to life their own creations. We will discuss the literary features of such fantastical creations as the Golem, Frankenstein's monster, Androids and AI. Over the semester we will come to appreciate the human desires and fantasies associated with this figure, and ask what these robots and monsters can tell us about our own humanity.

LIT211 - Indian Cinema

Subject: LIT
Catalog Number: 211
Title: Indian Cinema

Description: Sources of vitality in twentieth-century Indian cinema. The resilience of popular cinema in the face of Hollywood. Narrative and non-narrative expressive forms in folk and high culture in India. The work of Guru Dutt, Satyajit Ray, G. Aravindan, and Mani Kaul.

LIT212 - World of Korean Cinema

Subject: LIT
Catalog Number: 212
Title: World of Korean Cinema

Description: The world of Korean cinema, broadly defined in terms of national, generic, theoretical boundaries, beyond conventional auteur, genre, one-way influence, and national cinema theories. Cinematic texts examined in local, regional, and global contexts and intersections, in conversation with global theories and histories of cinema, visual cultures, and other representational forms. Variable topics informed theoretically and politically by discourses on gender/sexuality, race/ethnicity, global flows of people and cultures, popular and ‘high’ culture crossovers, transnational co-productions, remakes, translations and retellings. No knowledge of Korean language/culture presumed.
### LIT213 - Japanese Cinema

<table>
<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>LIT</td>
<td>213</td>
<td>Japanese Cinema</td>
</tr>
</tbody>
</table>

**Description**

An introduction to the history of Japanese cinema focusing on issues including the relation between the tradition-modernity or Japan-West in the development of Japanese cinema, the influence of Japanese films on the theory and practice of cinema abroad, and the ways in which cinema has served as a reflection of and an active agent in the transformation of Japanese society.

### LIT214 - Master Filmmakers of Chinese Cinemas

<table>
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<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>LIT</td>
<td>214</td>
<td>Master Filmmakers of Chinese Cinemas</td>
</tr>
</tbody>
</table>

**Description**

Films, documentaries, television series, and soap operas produced in Mainland China in the post-Mao era, modern and contemporary Taiwan, and Hong Kong. Topics include the history and aesthetics of the new wave cinema, soap operas as the new forum for public debate of popular culture, and debate over the relationship between Euro-American modernist and the national cinema.

### LIT215 - Italian Cinema

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<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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<tbody>
<tr>
<td>LIT</td>
<td>215</td>
<td>Italian Cinema</td>
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</tbody>
</table>

**Description**

Introduction course to Italian cinema including silent films, Neorealism, fascist productions, Commedia all’italiana and experimentalism. Taught in English, Italian majors and minors should inquire with the professor about the possibility of concurrently enrolling in a tutorial for credit towards the language requirement for the major or minor.

### LIT216S - Trauma and Nostalgia: East European Film in the 21st Century

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<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>LIT</td>
<td>216S</td>
<td>Trauma and Nostalgia: East European Film in the 21st Century</td>
</tr>
</tbody>
</table>

**Description**

Examines the major thematic focus of East European filmmakers in the 21st century: their efforts to reconstruct and reassess the experience of the Cold War (1945-1989) and the Yugoslav wars (1991-1995). These films from the Czech Republic, Hungary, Poland, Romania, Croatia, and Serbia include ironic/sentimental tales of Cold War childhood, thrillers about sleeping with the enemy (political informers), and psychological dramas centering on political trauma, resistance, and compromise. All films shown with English subtitles.

### LIT217 - Contemporary Israeli Cinema

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<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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<tbody>
<tr>
<td>LIT</td>
<td>217</td>
<td>Contemporary Israeli Cinema</td>
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</table>

**Description**


### LIT218 - Cinematic Authorship

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<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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<tbody>
<tr>
<td>LIT</td>
<td>218</td>
<td>Cinematic Authorship</td>
</tr>
</tbody>
</table>

**Description**

Theories of authorship continue to generate heated debates. What is at stake in these debates and for whom? This course will consider both the historical and contemporary debates around the controversial notion of authorship as it relates to signature and style. Drawing on film and media theory, literary theory, and philosophy, we will examine how artists explore and challenge the romantic conflation of the author as a stylistic innovator, site of influence, collaborator, and iconoclast. Throughout the semester we will ask: What is an author? What is the impact of stylistic innovation in media culture? And, why does authorship matter?
<table>
<thead>
<tr>
<th>Course Number</th>
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<th>Catalog Number</th>
<th>Title</th>
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<tbody>
<tr>
<td>LIT220</td>
<td>Film Genres</td>
<td>LIT</td>
<td>220</td>
<td>Film Genres</td>
</tr>
<tr>
<td>Description</td>
<td>A historical survey of motion picture genre as a stylistic and narrative device, including comedy, horror, the musical, the western, and science fiction.</td>
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<tr>
<td>LIT220S</td>
<td>American Cinema: Redefined</td>
<td>LIT</td>
<td>220S</td>
<td>American Cinema: Redefined</td>
</tr>
<tr>
<td>Description</td>
<td>Course examines the way films speak to the history of American nationhood as a whole. Considers the diversity of American Cinema and Hollywood's international dominance. Explores how varieties of domestic film production develop in the shadow of the commercial film industry, how they differ from mainstream productions, and how they contribute innovations.</td>
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<tr>
<td>LIT222</td>
<td>Performance Art History and Theory</td>
<td>LIT</td>
<td>222</td>
<td>Performance Art History and Theory</td>
</tr>
<tr>
<td>Description</td>
<td>Performance Art History and Theory explores cultural experimentation, theoretical strategies, and ideological aims of performance art internationally; examines interchanges between artists’ theories of performance, stylistic development, and impact in the context of cultural criticism and art history; traces interdisciplinary genealogies of performance globally; thinks about the body as a vehicle for aesthetic expression, communication, and information in its critique of social and political conditions; studies performance and gender, sexuality, race, and class; asks how performance alters the semiotics of visual culture and contributes to a paradigm shift from modernism to postmodernism.</td>
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<tr>
<td>LIT225</td>
<td>Spies Like Us: Screening Cold War Espionage</td>
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<td>Spies Like Us: Screening Cold War Espionage</td>
</tr>
<tr>
<td>Description</td>
<td>When the Cold War erupted in the wake of World War II, filmmakers were poised to screen it as propaganda, entertainment (thriller, horror, science fiction), and morally reflective realism. This course explores the films/television series produced on both sides of the Iron Curtain as well as those made after the Cold War (post-1989). Discussion will focus on ethical justifications and critiques of espionage; the characterizations of the spy and those spied on, and the interactions between these protagonists; and the changing aesthetics of screening espionage.</td>
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</tbody>
</table>
LIT226S - World of Gaming: Art, Theory, Technology, and Business of a Multi-Billion Dollar Global Industry

Subject LIT  
Catalog Number 226S  
Title World of Gaming: Art, Theory, Technology, and Business of a Multi-Billion Dollar Global Industry

Description
Interdisciplinary and transnational exploration into the multi-billion dollar global gaming industry through a social and theoretical lens. Asks what are the possibilities and pitfalls of gaming in our societies? Examines local and global cases, through art, storytelling, theory, design, technology, business, and gamer and fan communities. Select social and theoretical issues explored include im/migration and refugees, identity (race, gender, class and sexuality), environment, education, civic engagement, sports, recreation, war, and technology. Asia is one important case study as one of the most vibrant regions for examining gaming cultures, conflicts, and theories.

LIT229S - Space-Body-Image

Subject LIT  
Catalog Number 229S  
Title Space-Body-Image

Description
Analyzes ways the production of space in architecture and urban theory also produce images of the ideal bodies supposed to inhabit them. Explores limits of the production of space from standpoint of feminist, queer, and critical race theory, as well as through current research in disability studies. Surveys efforts by contemporary artists, writers, and filmmakers to interrupt prevailing images of space and imagine new kinds of bodies to move within them.

LIT230A - Introduction to Global Los Angeles: An Interdisciplinary Survey (Service-Learning)

Subject LIT  
Catalog Number 230A  
Title Introduction to Global Los Angeles: An Interdisciplinary Survey (Service-Learning)

Description
This course explores the complexities of global Los Angeles by focusing on issues that especially impact its marginalized communities. For the service-learning component, students volunteer at least 20 hours during the semester at nonprofit organizations engaged in the pursuit of social justice. This experience provides an opportunity to observe, participate in and reflect on the day-to-day implementation of social action, policy and organizing initiatives. As part of the volunteer commitment and in lieu of a final paper, students produce a documentary media project that communicates goals identified by and in collaboration with the community partner.

LIT241S - Around the Bloc: Cold War Culture in the USSR and Eastern Europe

Subject LIT  
Catalog Number 241S  
Title Around the Bloc: Cold War Culture in the USSR and Eastern Europe

Description
Drawing on oral and written history, memoirs, film, fiction, and essays in anthropology and sociology, we’ll resist the black/white readings imposed by the Iron Curtain and explore the dreams, fears, ethical concerns, cultural trends, and lifestyles of Cold War baby boomers in the USSR, Poland, Czechoslovakia, and Romania. Highlighted topics include: the privileges and discontents of postwar youth, the atomic age and its mutations, adventures in socialist consumer culture, gender politics and real life, making art about the socialist state of the absurd. All texts in English translation, films screened with English subtitles.
## LIT243 - Introduction to Latino/a Studies in the Global South

**Description**

Introduction to the interdisciplinary field of Latino/a Studies, and how it reconfigures the study of the United States and the Americas. Considers literature, history, sociology, economics, politics, culture and language in examining terms such as: Latino, Latinidad, Global South, transnational, globalization, and multiculturalism. Exploration of alignments and divergences of Latino/a Studies with African and African American Studies, Latin American and Caribbean Studies, and Critical US Studies. Classroom learning will connect with the community outside of Duke. Required introductory course for students in the Latino/a Studies in the Global South certificate program.

## LIT244 - Modern European Short Fiction

**Description**

Comprehensive examination of several important works of modern European short fiction by authors such as Kafka, Woolf, Svevo, Sartre, Joyce, Proust, Mann, Schnitzler, Gogol, and Calvino. While stories will be contextualized historically, culturally, and geographically, course is organized into thematic units, including animals, home, punishment, and love, to facilitate comparative analysis. Students engage critically with concepts such as identity, trauma, genre, and narrative form.

## LIT245 - Dante's Divine Comedy: Hell, Purgatory and Paradise

**Description**

A voyage through the three otherworldly places of Dante's philosophical poem (Hell, Purgatory, Paradise) whose transformation of human actions into an ordered ethical system continues to captivate readers.
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<th>Title</th>
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<tbody>
<tr>
<td>LIT246</td>
<td>246</td>
<td>Flaubert's Brain: Neurohumanities</td>
<td>Consideration of 'realist' fiction of Gustave Flaubert from social and cognitive neuroscience perspective. Investigation of implications of Flaubert's illustration of cognitive, affective, and somatic experiences of his characters, and his own experience, e.g. lapses of consciousness, convulsions, heightened emotions. Use of digital resources to chart emerging discourses and patterns in documentation of neuropathology, while attempting to define unique properties of fiction as literary 'technology', e.g. by consideration of realist mimesis as analogous to mapping and other technologies documenting brain function/dysfunction. A preceptorial may be available for French majors/minors.</td>
</tr>
<tr>
<td>LIT249</td>
<td>249</td>
<td>Games and Culture: Gateway to the Study of Games</td>
<td>Examines analog and computer games from a cultural perspective. Explores how prevailing culture and values affect game design, popularity, and experience. how games affect those areas of culture, such as imagining disaster, utopia and dystopia. Explores role-playing and identity, ethics, group behavior, competition, politics, gender, race, and aesthetics.</td>
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</tr>
<tr>
<td>LIT250S</td>
<td>250S</td>
<td>Indigenous Journeys in South Asian Film and Literature</td>
<td>A survey of real or imagined journeys in South Asian film and literature from the anxieties of modernity towards traces of the indigenous. Combines an interest in travel literature and road movies with inquiry into human values. Examines aesthetic representations of journeys that are made to idealize a particular past or to valorize contemporary traces of indigenous communities, while exploring the perspectives on modernity afforded by these real or imagined journeys.</td>
</tr>
</tbody>
</table>
### LIT251 - Arab Cultures: Literature, Politics, History

**Subject**  
LIT  

**Catalog Number**  
251  

**Title**  
Arab Cultures: Literature, Politics, History  

**Description**  
Explore different facets of modern and contemporary Arab cultures; memoirs, novels, prison notebooks, films, comic books, theoretical tracts, music, psychiatric case-studies, histories, and ethnographies; consider how authors depict key historical transformations taking place in the Arab world; different angles through which political questions are tackled; the negotiation between self and other.

### LIT252 - Romantic Fairy Tales: Literary and Folk Fairy Tales from Grimms to Disney

**Subject**  
LIT  

**Catalog Number**  
252  

**Title**  
Romantic Fairy Tales: Literary and Folk Fairy Tales from Grimms to Disney  

**Description**  
German fairy tales of the Romantic era, including both the 'literary fairy tales' by known authors and the 'folk fairy tales' commonly deemed children's literature. Comparisons to other fairy tale traditions, notably by Perrault and Basile, providing a broader context and perspective. Comparison to the Disney contributions elucidating our own preconceptions and prejudices. Special attention to the literary, feminist, and historical elements of the fairy tale genre. Taught in English.

### LIT260S - Representing Breast Cancer: Feminist Literature, Art, and Film

**Subject**  
LIT  

**Catalog Number**  
260S  

**Title**  
Representing Breast Cancer: Feminist Literature, Art, and Film  

**Description**  
Analyzes representations of breast cancer in feminist literature, art, and film. Drawing on health feminism, feminist medical ethics, and disability studies, explores what those representations tell us about the intersections among gender, race, class, sexuality, and ability in both the Global North and South. Sets artistic representations of breast cancer against the hyper-sexualization of breasts in capitalism's visual cultures and the spectacles of breast cancer activism. Shows how literature, art, and film can reveal health care's material conditions as well as breast cancer's psychic complexities.

### LIT265 - Virtual Realities: Collective Dreams from Plato to Cyberspace

**Subject**  
LIT  

**Catalog Number**  
265  

**Title**  
Virtual Realities: Collective Dreams from Plato to Cyberspace  

**Description**  
What is 'virtual reality'? If something is real, isn't it also always actual, and if virtual, only almost or nearly real? What strange, hybrid no-mans-land lies midway between truth and illusion, and how can we learn to navigate inside this space? The puzzle is an old one, even if the technology we call VR is new. In this discussion-intensive course, we will read, watch, and play our way through some of the most powerful attempts to understand humanity's penchant for collective dreaming: from Plato's allegory of the cave, to the immersive spectacles of baroque theater, to the ghostly realms of gothic literature and modern film, to the invention of cyberspace and parallel universe games.
### LIT265S - Virtual Realities: Collective Dreams from Plato to Cyberspace

**Description**
What is 'virtual reality'? If something is real, isn't it also always actual, and if virtual, only almost or nearly real? What strange, hybrid no-mans-land lies midway between truth and illusion, and how can we learn to navigate inside this space? The puzzle is an old one, even if the technology we call VR is new. In this course, we will read, watch, and play our way through some of the most powerful attempts to understand humanity's penchant for collective dreaming: from Plato's allegory of the cave, to the immersive spectacles of baroque theater, to the ghostly realms of gothic literature and modern film, to the invention of cyberspace and parallel universe games.

### LIT273 - What Is Europe?

**Description**
Exploration of the idea of Europe as a political, moral, and cultural identity. Examines the construction of such identity throughout history, ending with today's European Union, at a moment in which integration of 'Eastern' countries such as Turkey or Russia remains a hotly debated issue. Consistent attention devoted to literary, cinematic and artistic works which attempt to imagine a European Culture, as well as the evolution of aesthetics, and literary and art history.

### LIT274 - Imagining Europe: Arts, Culture, Politics

**Description**
Investigation of defining debates on European culture and the fiction which shapes them. In collaboration with Nasher Museum. Focus on literature and the visual arts of France, Italy, Portugal, Spain. Comparative analysis of key issues, including arts of migration, multilingualism, cultural and political relations within and without Europe, development of financial systems. Major authors: Marco Polo, Khatibi, Montaigne, Montesquieu, Balzac, Calvino, Némirovsky, Semprún, Saramago. Research in museum collections on major pieces.

### LIT275 - Introduction to Asian American and Diaspora Studies

**Description**
What does it mean to be Asian American? Asian American Studies is an interdisciplinary field that draws on social sciences, humanities, and the arts to explore the historical and contemporary experiences of Asian Americans in the western hemisphere. This course provides students with an introduction to this dynamic and growing field of study, taking race, gender, immigration, diaspora, class, labor, and sexuality as primary subjects of the field. The course also historicizes Asian American racialization to better understand the structural forces that have shaped Asian American lives and the ways that writers, scholars, and activists have responded to and resisted these forces.
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<tbody>
<tr>
<td>LIT</td>
<td>276S</td>
<td>LIT276S - Turkish History through the Novels of Orhan Pamuk</td>
<td>An introduction into Turkish history (including the Ottoman Empire) through a comparative study of the historical novels and nonfiction of Nobel Laureate Orhan Pamuk. Addresses Pamuk’s role as an intellectual-author who mediates between Islamic culture, secular modernity, the Turkish national tradition and an international canon of literature. Political implications of Sufism, cultural revolution, Orientalism, and post-colonialism. Secondary focus on representations of cosmopolitan Istanbul, political Islam and the military coup. Taught in English.</td>
</tr>
<tr>
<td>LIT</td>
<td>278S</td>
<td>LIT278S - Literatures and Films of Pandemic</td>
<td>This course explores past pandemics as a way to think about how to best live through COVID-19 and prevent or minimize future pandemics. Through examining literature and film, we will analyze the psychosocial dimensions of pandemic. We will read a variety of texts including: histories, fiction (Bulgakov, Porter, Tolstoy, Colson Whitehead); short essays; and films (e.g., Contagion, Outbreak). How do science, medicine, and society interact in a time of pandemic? How do pandemics reveal social inequities, and how could we use this knowledge to decrease disparities? And why do people turn to the humanities and arts in times of pandemic?</td>
</tr>
<tr>
<td>LIT</td>
<td>279S</td>
<td>LIT279S - Docu-Poetry: Real Life Truths Outside and Inside the Poetic Narrative</td>
<td>Investigates written and oral poetry as a mode of documentary storytelling. Engage with contemporary and historical poetry examining real-life, historical events. Investigate relationship between history, documentary, and poetry. Write poems based on research with multiple forms of archival source material and critical interpretation thereof.</td>
</tr>
<tr>
<td>LIT</td>
<td>282S</td>
<td>LIT282S - Modernism and the Arts</td>
<td>This course places international modernism in an intermedial perspective, presenting it as a broad conversation among international artists across various art forms. In addition to reading major literary works by writers such as Baudelaire, Mallarmé, Joyce, Eliot, Kafka, Woolf, Wat, Babel, Rilke, Anand, Césaire, Hsueh, students will enhance their understanding of modernism through exposure to other art forms, such as painting (Matisse, Picasso, Marc, Kandinsky, Chagall, Schoenberg), sculpture (Rodin, Brancusi, Giacometti), music (Schumann, Débussy, Stravinsky, Schoenberg, Berg, Gershwin), and film (Buñuel, Dalí, Eisenstein, Vertov, Carné, Godard, Ruttmann, Cavalcanti, Vigo).</td>
</tr>
<tr>
<td>LIT</td>
<td>285S</td>
<td>LIT285S - Existentialism</td>
<td>Existentialism in philosophy and literature. Key themes will be existence, ethics, meaning of life, freedom, death, and writing. Texts may include writings by Kierkegaard, Nietzsche, Dostoevsky, Tolstoy, Heidegger, Sartre, Camus, Beauvoir, Fanon, Murdoch and others.</td>
</tr>
<tr>
<td>LIT</td>
<td>286</td>
<td>LIT286S - German History Through Film</td>
<td>Interdisciplinary seminar at intersection of German Studies and History, taught by scholars from both disciplines. Explores ways in which films shape historical imaginations and are in themselves artifacts of history. Provides unique opportunity to learn about German past and present, and reflect on relationship between film and history.</td>
</tr>
</tbody>
</table>
LIT290 - Special Topics in International Literature and Culture

Subject: LIT
Catalog Number: 290
Title: Special Topics in International Literature and Culture

Description:
Topics in international culture, examined through literary texts, film, and other media. Organized according to trends, topics, and genres.

LIT290-2 - Special Topics in National Cinema

Subject: LIT
Catalog Number: 290-2
Title: Special Topics in National Cinema

Description:
Understanding nationhood through film culture. Industrial base, reception history, and critical context for development of national cinemas. Exemplary films from a range of periods.

LIT290A - Duke-Administered Study Abroad: Special Topics in Literature

Subject: LIT
Catalog Number: 290A
Title: Duke-Administered Study Abroad: Special Topics in Literature

Description:
Topics vary by section.

LIT290S - Special Topics in Literature

Subject: LIT
Catalog Number: 290S
Title: Special Topics in Literature

Description:
Topics vary by semester.

LIT290S-1 - Special Topics in International Literature and Culture

Subject: LIT
Catalog Number: 290S-1
Title: Special Topics in International Literature and Culture

Description:
Seminar version of Literature 290

LIT290S-2 - Special Topics in National Cinema

Subject: LIT
Catalog Number: 290S-2
Title: Special Topics in National Cinema

Description:
Understanding nationhood through film culture. Industrial base, reception history, and critical context for development of national cinemas. Exemplary films from a range of periods.

LIT290SA - Duke-Administered Study Abroad: Special Topics in Literature

Subject: LIT
Catalog Number: 290SA
Title: Duke-Administered Study Abroad: Special Topics in Literature

Description:
Seminar version of 290A. Topics vary by section.

LIT295S - Sex Work: The Politics of Sexual Labor

Subject: LIT
Catalog Number: 295S
Title: Sex Work: The Politics of Sexual Labor

Description:
Sex work from the perspective of the labor and the purchase. Controversies over questions of gender and power, consent and coercion, sexual practices and labor contracts, trafficking and migration. Cultural representations of sex workers and their clients. Legal regimes from abolition to regulation and decriminalization.
**LIT298S - Revealing Histories: Polish Cinema**

**Description**
Explores the films of four famous Polish directors—Andrzej Wajda, Andrzej Munk, Krzysztof Kieślowski, and Agnieszka Holland—whose artistic approaches and ethical/political themes greatly influenced Polish and European cinema as well as Polish politics. Through viewing their movies and consulting biographical, historical, and critical materials, we’ll examine how these directors use film to reconstruct history, challenge politically or religiously orthodox myths, and suggest new ways of valuing the complexity and spiritual capacities of the individual. All texts in English translation. All films screened with subtitles.

**LIT301S - Theory Today**

**Description**
This course is an introduction to fundamental concepts of contemporary critical theory, broadly conceived. Readings will include key texts from the past 50 years in fields including gender and sexuality studies, literary and media studies, critical race studies, Marxism, postcolonial studies, and political theory. The course will involve close reading of difficult texts with the goal of obtaining facility with the concepts and modes of argumentation of contemporary theory.

**LIT302 - Hashtags Memes, Digital Tribes**

**Description**
Tracks digital life and creative expression of groups online in a close study of images, captions and hyperlinked tags. Examines rituals, symbols and cultural patterns that structure everyday life of digital tribes online and investigates impact of digital and social media (Twitter, Instagram Facebook, Periscope) on the constitution of communities online and offline. Studying varied array of digital tribes: tribes of the deaf, of oil rig workers, of Hindu worshippers, of prison wives and laptop entrepreneurs, students learn about underlying myths, rituals, and cultural symbols that connect groups of people online.

**LIT302S - Hashtags Memes, Digital Tribes**

**Description**
Tracks digital life and creative expression of groups online in a close study of images, captions and hyperlinked tags. Examines rituals, symbols and cultural patterns that structure everyday life of digital tribes online and investigates impact of digital and social media (Twitter, Instagram Facebook, Periscope) on the constitution of communities online and offline. Studying varied array of digital tribes: tribes of the deaf, of oil rig workers, of Hindu worshippers, of prison wives and laptop entrepreneurs, students learn about underlying myths, rituals, and cultural symbols that connect groups of people online.
### LIT303S - Fiction/Reality/Autofiction: The Existential Turn in Contemporary Literature

<table>
<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
</tr>
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<tbody>
<tr>
<td>LIT</td>
<td>303S</td>
<td>Fiction/Reality/Autofiction: The Existential Turn in Contemporary Literature</td>
</tr>
</tbody>
</table>

**Description**

Inspired by Marcel Proust and W. G. Sebald, and working alongside Annie Ernaux, contemporary writers such as Karl Ove Knausgård, Rachel Cusk, Jenny Offill, and Teju Cole undermine traditional divides between fiction, memoir, and essay-writing, and challenge our understanding of what a novel is. Some critics have named this new trend 'autofiction.' Is that a good label? Does the new 'reality hunger' entail new ideas about subjectivity and identity? How does it relate to realism, and modernism. What is 'existential' about it? We will read contemporary literature from different countries alongside theories of language and reality, realism, modernism, the novel, and reading.

### LIT304S - Introduction to Digital Culture: Media Theory, Politics, Aesthetics

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<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>LIT</td>
<td>304S</td>
<td>Introduction to Digital Culture: Media Theory, Politics, Aesthetics</td>
</tr>
</tbody>
</table>

**Description**

What is digital culture today? In the first two decades of the 00s, digital culture has become more directly related to the emergence of social media platforms (from Youtube to Instagram, from Snapchat to Tiktok). Digital culture is now shaped by artificial intelligence. We make new friends through dating apps and by becoming followers. We know that biases of race, class, gender and sexuality are embedded in everyday search algorithms. This course welcomes students to participate in these emerging discussions and experiment with new ideas that are shaping digital culture today.

### LIT306S - Reading Literature in French

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<th>Subject</th>
<th>Catalog Number</th>
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<tbody>
<tr>
<td>LIT</td>
<td>306S</td>
<td>Reading Literature in French</td>
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</tbody>
</table>

**Description**

What is literature? Why read literature today? And how do we talk about what we read? This seminar offers an initiation to literature in French from the Enlightenment to the digital age. It introduces a wide range of critical and theoretical tools to study literature and its uses, and aims at developing writing and argumentation across a range of literary genres (theater, essay, novel, poetry...). This seminar explores how most urgent political and philosophical issues of the ages can be read through and unraveled within literary texts. Authors studied may include Montesquieu, Diderot, Balzac, Baudelaire, Flaubert, Sartre, Césaire, Michaux, Duras, Fanon, Perec, and Modiano.

### LIT308S - Manger: Foodways and Food Systems

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<th>Subject</th>
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<tbody>
<tr>
<td>LIT</td>
<td>308S</td>
<td>Manger: Foodways and Food Systems</td>
</tr>
</tbody>
</table>

**Description**

This course seeks to deepen our understanding of foodways and food systems, and of the roles that nourishment and nourishers play in our lives, while regenerating connections with food practices and food creators through the study of global French narratives, scholarships on foodways and foodscapes, and hands-on, in-person experiences with nourishers in our local community. A strong emphasis on experiential learning, including community engagement in systems of food access and production as well as work with chefs and farmers, and the study of French-language narrative, culinary, scholarly, journalistic writing, and other cultural documents.
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<tbody>
<tr>
<td>LIT</td>
<td>314</td>
<td>LIT314 - Introduction to Critical Theory</td>
<td>This course is an introduction to fundamental texts and concepts in the history of critical theory. We will be expanding the scope of our examination well beyond the remit of the Frankfurt School, to which the term 'critical theory' is often linked and look at key texts in the history of political philosophy, social theory, linguistics and language philosophy, gender studies, critical race theory, and postcolonialism. All our readings will be primary literature from what might be dubbed a 'critical theory cannon' and is intended to introduce students in the humanities and qualitative social sciences to essential and foundational materials.</td>
</tr>
<tr>
<td>LIT</td>
<td>316S</td>
<td>LIT316S - Film Theory</td>
<td>Recent critical developments in Marxist aesthetics, structuralism, semiotics of the image, feminist film theory, history and theory of film technology. Both experimental and Hollywood narrative films.</td>
</tr>
<tr>
<td>LIT</td>
<td>317S</td>
<td>LIT317S - Media Theory</td>
<td>Introduction to the material and technical infrastructure that informs and constrains the production and dissemination of knowledge. Exploration of cultural impact of technical media from writing to the internet. Combines historical and theoretical discussion with hands-on experimentation with various media, including the codex book, phonography and sound registration technology, photography, cinematography, video, virtual reality, digital computation, and the internet.</td>
</tr>
<tr>
<td>LIT</td>
<td>318S</td>
<td>LIT318S - American Independent Cinema</td>
<td>Examination of the emergence, establishment, and transformations of American indie film. Addresses main genres, key films and prominent directors by looking at the aesthetic characteristics of indie films, as well as the social and institutional contexts (primarily its relationship to Hollywood cinema) that led to the creation and important impact of this filmmaking practice. Topics include Midnight Movies of the 70s, New American Cinema, Trash Cinema, Art Cinema, Black Indie Cinema, New Queer Cinema, Generation X, Smart Cinema, Neo Noir, and the Pulp Fiction success story.</td>
</tr>
<tr>
<td>LIT</td>
<td>319S</td>
<td>LIT319S - Expressing Immigrant Experience: The Russians</td>
<td>Some of the world's greatest artistic works have emerged from the creator's experience of crossing boundaries—linguistic, geographic, cultural, and social/psychological. This course examines the particular case of Russia's emigre experience in the English-speaking world as recorded in literature and the other creative arts.</td>
</tr>
<tr>
<td>LIT</td>
<td>320S</td>
<td>LIT320S - Social Movements and Social Media</td>
<td>Examines uses and abuses of social media by social movements. Interested in a broader historical study of mediating technologies and oppositional public sphere, course considers the uses of cameras, phones, cassette players, radio, and social media platforms, but also books, bodies, art, fashion, and automobiles as oppositional technologies. Studies political and ethical uses of technologies in social unrest. Investigates impact of technologies on social movements and social transformations in contemporary history. Student driven case studies will highlight contemporary engagement with social media by networked social movements.</td>
</tr>
</tbody>
</table>
LIT321 - Sample & Remix: Contemporary Cultural Production Across Arts & Media

Description
Sampling & remixing of previous works is a major mode of contemporary cultural production cutting across media and cultural practices. This course analyzes its genealogy, technological underpinnings, legal presuppositions and aesthetic consequences. Tensions between copy and copyright, between claims to originality and mechanical reproduction characterize this contemporary regime, now deployed globally. Its cultural implications will be distinguished from related modes of making art and meaning (imitation, citation, collage, montage...) and tracked through various objects: popular and avant-garde cinema; videogames, ready-mades and Pop Art; Hip-Hop and Electro; literature and DJ culture.

LIT325S - Understanding Mediation

Description
Examines experience as always mediated. How does text mediate expression, or language mediate subjectivity? How do images mediate power, or sounds mediate resistance? How does computation mediate agency, or networks mediate thought? But also, how do nations mediate globalization, or oil mediate energy? And how do bodies mediate liveness, or the environment mediate history? Moves from particular media forms and examples (language, literature, the fine and performing arts, audiovisual media, computational media) to focus on key theoretical concepts and debates of critical theory from twentieth and twenty-first centuries. Crosses national boundaries to understand mediation from global perspective.

LIT328S - Literary Islam

Description
The Quran as scripture; mystical poetry; stories of the early community; literary cultures in the early community; modern reinterpretations of Islamic sources; Islamist literature; modern Islamic poetry, novels, plays, and stories.

LIT329S - Undocumented America in Literature

Description
This seminar explores the representation of lived experiences, trajectories, and current events vis-à-vis the figure of the undocumented migrant, in contemporary American literature. Testimonial accounts, journalism chronicles, memoirs, poetry, cinematic works, and critical scholarship inform and propel our study of the experience of (‘illegal’) migrant movement—departure, journey, and arrival—as portrayed in Latino and Latina literature. We will question status designations such as ‘illegal,’ ‘undocumented,’ and ‘unauthorized’; ‘legitimacy’ and recognition; the inadmissible and the construction of ‘suspect’ bodies; social participation in US society.
### LIT332S - Social Movements in Age of Globalization

**Subject** | **Catalog Number** | **Title**  
--- | --- | ---  
LIT | 332S | Social Movements in Age of Globalization  

**Description**
Study of primary models and theories of social movements developed in fields of Sociology and Political Science. Readings provide vocabulary and conceptual framework for understanding how people organize, how social movements use media, role of leadership, meaning of success, and several other basic issues. Focus on social movements of last few decades. Students will conduct group projects on a selected contemporary social movement. Contemporary social movements considered include Occupy, 15M movement in Spain, Gezi Park encampment in Turkey, urban protests in Brazil, and Arab Spring uprisings.

### LIT333S - Bad Behavior

**Subject** | **Catalog Number** | **Title**  
--- | --- | ---  
LIT | 333S | Bad Behavior  

**Description**
What does it mean to behave badly? How is 'bad behavior' distinguished from actions that are otherwise described as evil or criminal? This course addresses these questions by examining ideas of deviance, wrongdoing, and misconduct in the nineteenth, twentieth, and twenty-first centuries—that is, modern behavioral categories that are considered to be aberrant without necessarily being strictly defined as transgressions of the law. We will consider how bad behavior concerns the disruption of implicit social norms rather than the explicit violation of legal or moral codes.

### LIT336 - Introduction to US Latino/a Literature

**Subject** | **Catalog Number** | **Title**  
--- | --- | ---  
LIT | 336 | Introduction to US Latino/a Literature  

**Description**
Survey of US Latino/a Literature from 1960s to present. Examines formation of a Latino/a literary canon, its heterogeneous voices and imaginations, thematic strands, historical and political contexts, theoretical approaches, establishing critical overview of the range of nationalities, communities, identifications, and practices falling under the Latino/a designation. Explores how Latina and Latino identities have been envisioned and manifested since the Civil Rights Movement, and how Latina- or Latino-specific cultural production continues in dialogue with US multiracial landscape. Not open to students who have taken Spanish 336A. In English; does not satisfy Trinity FL requirement.

### LIT336A - Introduction to LatinX Literature

**Subject** | **Catalog Number** | **Title**  
--- | --- | ---  
LIT | 336A | Introduction to LatinX Literature  

**Description**
An introduction to contemporary LatinX literary production, alongside its heterogeneous voices and creative imaginations. The formation of a Latino/a/X literary canon, its thematic strands, cultural connections, historical and political contexts, theoretical approaches, and circulation in the U.S. world and beyond, exploring the makings of 'the culture of prestige'—attending to considerations like what produces cultural capital, the marketplace of prizes, and visibility and artistic achievement. A critical and resourceful overview of the range of nationalities, communities, locations, identifications, and practices. Not open to students who have taken Spanish 336. Taught at Duke in Madrid.
LIT337 - America from Abroad: Literature and Cinema

Subject: LIT  
Catalog Number: 337  
Title: America from Abroad: Literature and Cinema

Description
This course explores the portrayals of America, especially the United States, from authors and directors who are not American and who often have never even seen America. We will read short stories, novels, and graphic novels and watch films. What do these works from other parts of the world have to say about dreams, race, love, immigration, and space in America? We will discuss imaginary Americas in order to understand these important works within their contexts, to examine how foreign representations of America have contributed to our idea of America, and to consider what imagined Americas suggest about us here in North Carolina.

LIT337S - Don Quixote for Beginners

Subject: LIT  
Catalog Number: 337S  
Title: Don Quixote for Beginners

Description
This course introduces students to the overlapping realities and worlds that the novel encompasses to explore, through Don Quixote's knightly ambitions of justice, love, and freedom, the similarities, and differences we see between ourselves and others, in a changing world where chivalry ideals, popular culture, history, and uprooted lives, and early capitalism dialogue to each other. Multiple characters raise questions about escapism, social justice, borders, and exile linking the present and the past.

LIT339 - El cine político en América Latina

Subject: LIT  
Catalog Number: 339  
Title: El cine político en América Latina

Description
Examines question of political cinema through Latin American works from 1960s to present, including examples from 'New Latin American Cinema', with special focus on Brazil and Cuba. Emblematic films, manifestos and critical texts will define and contextualize alternate conceptions of 'political' cinema. Examination of modes of production and distribution of 'guerrilla' films; politics of film language inspiring experimentation of avant-garde aesthetics in fictional and documentary works; relationship between cinema and political memory; politics of gender, race, and sexual orientation; representations of social problems, including contemporary blockbuster thrillers. Conducted in Spanish.

LIT340S - Reading Like a Queer

Subject: LIT  
Catalog Number: 340S  
Title: Reading Like a Queer

Description
Seminar introduces students to theory and practice of reading in Queer Studies through a variety of novels, films, and cultural criticism. Designed for mid level undergraduates who have some familiarity with literary studies and/or queer theory, but does not require prerequisites.
LIT341S - Perspectives on the Amazon

Subject: LIT
Catalog Number: 341S
Title: Perspectives on the Amazon

Description:
The Amazon has been a source of awe to outsiders at least since the first Europeans navigated the Amazon River in 1542. While early explorers searched the forest for a mythic city of gold, contemporary travelers, scientists, and concerned citizens look to the Amazon as the key to our endangered future. Focusing on a variety of textual and visual representations, we will deal with major themes in the history of the Amazon and consider the ways in which this vast and widely depicted region eludes representation, holding entirely different and contending meanings to distinct socio-cultural groups. Our sources include works by indigenous thinkers and cultural producers.

LIT342A - Dante and the Art of Hell

Subject: LIT
Catalog Number: 342A
Title: Dante and the Art of Hell

Description:
Dante's Divine Comedy, has inspired medieval illuminations, Renaissance frescoes, Surrealist paintings, and modern sculptures. This course explores this remarkable visual history to interpret Dante's poem. What new features of Dante's world do these visual adaptations bring into focus? Visiting sites throughout Italy, we will also aim to reconstruct Dante's visual and built environment to understand what is distinctive about his vision. Taught in English. Offered through Duke in Venice and Duke in Bologna programs.

LIT343 - African Americans, Mass Incarceration and Citizenship

Subject: LIT
Catalog Number: 343
Title: African Americans, Mass Incarceration and Citizenship

Description:
Explores in depth the presence of African Americans within the phenomenon of U.S. mass incarceration and its implications for notions of citizenship. Surveys the history of prison build-up resulting from legislation and policy over the past forty years including the governmental discussions of drug policy and welfare reform that disproportionately affected African Americans. Course will explore definitions of citizenship and the means by which African American citizens were and are both included in and excluded from participation in the movement toward mass incarceration as part of their changing position in the U.S. polity.

LIT344 - Poetics of Murder

Subject: LIT
Catalog Number: 344
Title: Poetics of Murder

Description:
The literature and film of crime and detection in the American, British, and German context. An examination of our fascination with stories about violence and death, as well as the connections between modern social history and narrative form. Includes interpretations of central works in crime fiction history: stories by Poe and Schiller, detective novels by Agatha Christie and Raymond Chandler, the thrillers of Fritz Lang, and postmodern tales by Eco, Auster, and Süskind. Taught in English.

LIT350 - Brains, Everywhere

Subject: LIT
Catalog Number: 350
Title: Brains, Everywhere

Description:
Over the last three decades we have witnessed the speedy rise of the 'neurosciences,' an historical event characterized by some 'neurocultures' and 'neuro-subjects.' In this course we will track this history and ask what change in meaning might 'neuro' effect in the disciplines that were previously 'neuro'-free. If there is a neuro-turn in the humanities and social sciences, what is it that's 'turning'? We will consider the centrality of brain research in these discussions to ask questions about the meaning of 'personhood/subjectivity,' 'human/post human,' 'mind/body,' 'self/ego,' and 'emotion/affect.'

LIT350S - Brains, Everywhere

Subject: LIT
Catalog Number: 350S
Title: Brains, Everywhere

Description:
Over the last three decades we have witnessed the speedy rise of the 'neurosciences,' an historical event characterized by some as a 'neuro-revolution' that has given rise to a 'neuro-society,' 'neurocultures,' and 'neuro-subjects.' In this seminar we will track this history and ask what change in meaning might 'neuro' effect in the disciplines that were previously 'neuro'-free. If there is a neuro-turn in the humanities and social sciences, what is it that's 'turning'? We will consider the centrality of brain research in these discussions to ask questions about the meaning of 'personhood/subjectivity,' 'human/post human,' 'mind/body,' 'self/ego,' and 'emotion/affect.'
LIT351 - Contemporary Novel

**Subject**

LIT

**Catalog Number**

351

**Title**

Contemporary Novel

**Description**

Major trends in fiction since 1950: modernism/postmodernism, ethnicity and ethnic identity, feminism, postcoloniality, genre-bending, and more. Readings from the United States and from Great Britain, India, Canada, South Africa, and the Caribbean. Satisfies Area III for English majors.

LIT351S - Contemporary Novel

**Subject**

LIT

**Catalog Number**

351S

**Title**

Contemporary Novel

**Description**

Seminar version of English 377.

LIT352S - Digital Storytelling and Interactive Narrative

**Subject**

LIT

**Catalog Number**

352S

**Title**

Digital Storytelling and Interactive Narrative

**Description**


LIT353S - Asian American Literature

**Subject**

LIT

**Catalog Number**

353S

**Title**

Asian American Literature

**Description**

The course examines major works of Asian American literature from the nineteenth century to the present. It surveys how Asian American authors of novels, short stories, and poetry have negotiated the historical forces that have shaped Asian American experiences over the past century.

LIT354S - Intro to Psychoanalytic Theory

**Subject**

LIT

**Catalog Number**

354S

**Title**

Intro to Psychoanalytic Theory

**Description**

In this seminar we will explore psychoanalytic theory by focusing on specific topics such as hysteria, perversion, sexuality, repression, narcissism, the unconscious, and the id/ego/superego. Throughout the semester, we will examine the relationship in psychoanalysis between theory and practice as well as entertain the possibility that the theories based on clinical practice might have some applicability for grappling with questions concerning power, politics, conceived in a global context, and what philosopher Michel Foucault referred to in his later work as the 'care of the self.'

LIT355S - Black Feminism and Fashion

**Subject**

LIT

**Catalog Number**

355S

**Title**

Black Feminism and Fashion

**Description**

Black feminist perspectives on clothing and fashion. Explores traditions in which Black artists and writers make clothing a primary theme. Presenting photographic, painted, and literary portrayals by and of Black people across the diaspora, and bringing together the study of visual culture, material culture, and literary studies, reveals fashion and clothing as aesthetic practices of everyday life that defy the objectifying effects of racism and sexism. Engages with scholarship that explores slavery's and colonialism's impact on gender and sexuality and examines how artists and writers work within and against those impacts to document the self-fashioning in Black cultural life.
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<tbody>
<tr>
<td>LIT</td>
<td>356S</td>
<td>Michel Foucault and Theories of Power</td>
<td>This seminar is aimed at understanding Michel Foucault's innovative theories of how political and social power functions and is organized. Foucault reoriented the understanding of power from a centralized, state-centered attribute to a series of practices distributed in different social institutions. We will approach his theoretical propositions through his writings on the history of the prison and the history of sexuality, along with his journalistic accounts of the revolutionary movement in Iran.</td>
</tr>
<tr>
<td>LIT</td>
<td>361</td>
<td>Global Apple: Life and Death and the Digital Revolution</td>
<td>Examination of the Apple Corporation's development from a Silicon Valley garage operation to a company with unprecedented global reach; the Cult of Steve Jobs, the Apple Launch and use the design and development of the Apple Store; labor and environmental struggles over Apple supply chain and production processes, from cobalt mining in Africa to Foxconn factories in China; migrant worker suicide and poetry as forms of protest in China; e-waste villages and digital rubbish; everyday uses of Apple technology and the ethics of consuming Apple products.</td>
</tr>
<tr>
<td>LIT</td>
<td>361S</td>
<td>Global Apple: Life and Death and the Digital Revolution</td>
<td>Examination of the Apple Corporation's development from a Silicon Valley garage operation to a company with unprecedented global reach; the Cult of Steve Jobs, the Apple Launch and use the design and development of the Apple Store; labor and environmental struggles over Apple supply chain and production processes, from cobalt mining in Africa to Foxconn factories in China; migrant worker suicide and poetry as forms of protest in China; e-waste villages and digital rubbish; everyday uses of Apple technology and the ethics of consuming Apple products.</td>
</tr>
<tr>
<td>LIT</td>
<td>362D</td>
<td>What Is Beauty?</td>
<td>Exploration of Western theories of beauty from Plato to the present. What do we mean when we call something beautiful? Does beauty belong to an object or an observer’s mind? Is art or nature the best example of beauty? The class also examines the intertwining of modern theories of beauty with theories of race; analyzes the gender and power dynamics of theories of beauty; and asks about the relationship of aesthetics to society, politics, and biology. Readings include authors such as Plato, Burke, G.E. Lessing, Kant, Schiller, Charles Darwin, George Eliot, Nietzsche, W.E.B. DuBois, Arthur Danto, Elaine Scarry, Alice Walker, and Semir Zeki. Taught in English.</td>
</tr>
</tbody>
</table>
LIT366S - Art and Activism: Manifestos, Revolutions, and the Avant-gardes

Subject: LIT
Catalog Number: 366S
Title: Art and Activism: Manifestos, Revolutions, and the Avant-gardes

Description:
Discussion-based seminar and survey of the literature of manifestos and their role in revolutionary and avant-garde traditions of thought from the mid-19th century to the present. Topics covered include: connections between literary forms and political activism; history of modern revolutionary movements and their impacts on intellectual and artistic production; contemporary developments in manifesto writing in a global context. Sample movements include Communism, Surrealism, Anti-Fascism, Black Power, Feminism, Environmentalism. Final project: students undertake an independent research project and write their own manifestos on a topic of their choosing. Taught entirely in English.

LIT369 - Germany Confronts Nazism and the Holocaust

Subject: LIT
Catalog Number: 369
Title: Germany Confronts Nazism and the Holocaust

Description:
The ways in which official German culture comes to terms with its Nazi past. Background reading in history and politics; primary focus on films, dramas, novels, and poetry, as well as public memorials, monuments, and museums. Authors treated include: Wolfgang Borchert, Rolf Hochhuth, Peter Weiss, Ruth Klüger. Taught in English.

LIT370S - Russian Fiction and Film

Subject: LIT
Catalog Number: 370S
Title: Russian Fiction and Film

Description:
Russia's turbulent history recounted through its literature and film. Short works by Russia's most famous authors (Dostoevsky, Tolstoy, Chekhov) as well as the writings of lesser-known, but equally important writers (Teffi, Vladimir); comparison of these written works with films made of the stories. Exploration of the main trends of Russian culture through its literature and film; focus on the differences between film and written narratives.

LIT373S - Recycled Cinema

Subject: LIT
Catalog Number: 373S
Title: Recycled Cinema

Description:
Found footage filmmaking, cinematic appropriation, the use of archival materials in documentaries, and current day internet mashups. Covering early cinema, experimental and documentary cinema, television, and the internet. Key emphasis on practice-based assignments with a concurrent focus on the historical impact of the field from seminal moments to the contemporary moment through films and readings on the subject. Prerequisite: 100-level or above Visual Arts course, or permission of instructor.
LIT374S - Masculinities & Global Politics

Subject: LIT  
Catalog Number: 374S  
Title: Masculinities & Global Politics

Description: The course uses readings and films to examine masculinities historically and transnationally, including a unit on masculinities in US politics; draws from history, sociology, feminist geography, popular culture studies, Black studies, and sexuality and queer studies; interactive lectures and guest scholars. Each student is guided to complete an interview-based research project with three male-identified persons of multiple generations with serves in lieu of a final exam.

LIT378 - Race, Class, and Family in Contemporary Literature: Journeys, Generations, and Translations

Subject: LIT  
Catalog Number: 378  
Title: Race, Class, and Family in Contemporary Literature: Journeys, Generations, and Translations

Description: An opportunity to study with the Somali-Italian author Igiaba Scego, this English-language course explores representations of race, class & families in contemporary fiction. The course has three parts: 1) Analysis of Scego’s work, which is crucial to debates on migration, decolonization, racism, feminism & translation; 2) read Italian and Brazilian authors to examine the intersection of color and class that cross Italy & Brazil from the colonial period to today, including the journeys and interactions between parents, siblings; 3) discussion of Scego’s just-translated ‘The Color Line,’ which moves between the U.S., Italy, and Somalia, & final projects.

LIT379S - The Detective Novel

Subject: LIT  
Catalog Number: 379S  
Title: The Detective Novel

Description: What is a detective novel, and how does it ‘work’? By looking at synchronic and diachronic transformations of the genre—from British Sherlock Holmes to the South African ‘noir-fantastic’—the course investigates the structure of literary genres and their adaptability to different social, cultural, and civilizational contexts.

LIT380 - Marxism and Society

Subject: LIT  
Catalog Number: 380  
Title: Marxism and Society

Description: Introduction to Marx’s core concepts, such as alienation, commodity, and revolution. Includes examination of Marx’s own major historical & political analyses, his economic texts, and his philosophical writings. Students also gain familiarity with the role of Marxist thought in different fields and disciplines, including feminist theory, anthropology, history, political science, and literary studies.

LIT381S - Political Cinema in Latin America

Subject: LIT  
Catalog Number: 381S  
Title: Political Cinema in Latin America

Description: What counts as ‘political cinema’? What are the possible relations between cinema and politics, particularly in Latin America? How can cinema not only comment on political issues but also perform politics through practices of production and aesthetic choices that are germane to film as a cultural form? This course explores these and related questions through a survey of landmark Latin American works from the mid-twentieth century to the present. Taught in Spanish.

LIT382S - Fictions That Mark the Moment

Subject: LIT  
Catalog Number: 382S  
Title: Fictions That Mark the Moment

Description: Course is an engagement with novels from spectacular moments of history, an imagination of the future, a response to narrative conventions of realism and thinking with and against the grain of social understandings. Look at examples of historical, speculative, postcolonial, experimental, science, magical realist fictions and theoretical work. Will consider the means by which narratives produce or rely on ethical beliefs and arguments within the specifics of their world-making as well as the ethical problems presented by relations of power within the particular histories of the texts’ various moments.
<table>
<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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<tbody>
<tr>
<td>LIT</td>
<td>383S</td>
<td>Breakdown: Madness, Self, Fiction</td>
</tr>
<tr>
<td>LIT</td>
<td>385</td>
<td>Mafia at the Movies</td>
</tr>
<tr>
<td>LIT</td>
<td>386S</td>
<td>Mapping Jewish Modernism</td>
</tr>
<tr>
<td>LIT</td>
<td>387</td>
<td>Moral Panics, Spectacle, and Everyday Life: Social Anxieties and Minorities</td>
</tr>
<tr>
<td>LIT</td>
<td>390</td>
<td>Special Topics in Literature</td>
</tr>
<tr>
<td>LIT</td>
<td>390-7</td>
<td>Special Topics in the Study of Literature in Relation to Other Disciplines</td>
</tr>
</tbody>
</table>

**LIT383S - Breakdown: Madness, Self, Fiction**

**Description**
Study of madness, mental illness, and psychological distress as experienced and accounted for from literary and philosophical perspectives. How should an individual's declaration of spiritual health or illness be understood? What critical tools can literature bring to the study of the soul's suffering? Focus on testimonies of mental strife in a transnational/historical frame. Literary selections range from romanticism and realism to high modernism and contemporary neurofiction.

**LIT385 - Mafia at the Movies**

**Description**
A study of the mafia, and by extension, of Italy's 'dark heart,' in its historical, social, economic, cultural, and political dimensions, as represented in a wide range of Italian and American films and television productions, from documentary to comedy. Course will also consider possibilities and limits inherent to cinema in representing, and influencing cultural and social realities. Taught in English, Italian majors and minors should inquire with the professor about the possibility of concurrently enrolling in a tutorial for credit towards the language requirement for the major or minor.

**LIT386S - Mapping Jewish Modernism**

**Description**
Students research Jewish modernism through questions of geography and movement, pointing to the many places where modern Jewish art has been created and the experiences of migration, exile, diaspora, and resettlement that shaped this work. We discuss the varieties of ways that different art forms, including literature, theater, music, art, film, architecture, and dance, can be mapped. We analyze mapping in terms of the movements of people (artists, authors, and directors), of objects (paintings, literature, performances, and films), and within the works themselves. Work with the Rubenstein Library will lead to projects that contribute to an exhibit in Perkins Library and a digital site.

**LIT387 - Moral Panics, Spectacle, and Everyday Life: Social Anxieties and Minorities**

**Description**
Moral panic refers to the way a social order becomes hyper aware of activities of groups, objects, or circumstances posing a menace to accepted values. Course explores how everyday life is managed, intensified, and altered by moral panics’ spectacle. Sexual deviance, drugs, popular culture, disease, witch hunts, gender fears, etc., are not only creations of pre-existing fears, they make various kinds of sense in specific moments. They are how people recognize themselves and new challenges to that self. From those challenges they try to police others; they are public consensus-building events and the means by which we identity our fears and desires.

**LIT390 - Special Topics in Literature**

**Description**
Topics vary by semester.

**LIT390-7 - Special Topics in the Study of Literature in Relation to Other Disciplines**

**Description**
Lecture version of Literature 390S-7.
<table>
<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>LIT</td>
<td>390A-13</td>
<td>Special Topics in World Literature and Culture</td>
<td>Studies in literature and culture in a national or comparatist mode; offered only in a Duke study abroad program.</td>
</tr>
<tr>
<td>LIT</td>
<td>390S-1</td>
<td>Special Topics in Literary Genres</td>
<td>Studies in one or more literary genres or subgenres, such as the novel, drama, poetry, or the documentary novel, epic poetry, love lyrics, modernist drama, and so on. Focus on questions of genre and form, but other themes discussed may vary widely.</td>
</tr>
<tr>
<td>LIT</td>
<td>390S-12</td>
<td>Topics in Psychoanalytic Theory and Criticism</td>
<td>In this seminar we will read key works in psychoanalytic theory by its inventor, Sigmund Freud such as Three Essays on a Theory of Sexuality, Interpretation of Dreams, Dora: An Analysis of a Case of Hysteria, and The Ego and the Id. We’ll also read the work of important psychoanalytic theorists, commentators, and historians that include Adam Phillips, Eli Zaretsky, Elisabeth Roudinesco, and Alenka Zupancic. We will explore psychoanalytic theory by focusing on specific topics such as hysteria, perversion, sexuality, repression, the unconscious, and the id/ego/superego.</td>
</tr>
<tr>
<td>LIT</td>
<td>390S-10</td>
<td>Special Topics in Literature and National Cultures, Ethnicity, Race</td>
<td>Seminar version of Literature 390-10.</td>
</tr>
<tr>
<td>LIT</td>
<td>390S-15</td>
<td>Special Topics in North American Literature and Culture</td>
<td>Seminar version of Literature 390.</td>
</tr>
</tbody>
</table>
LIT390S-2 - Special Topics in Literary Movements

Subject: LIT
Catalog Number: 390S-2
Title: Special Topics in Literary Movements

Description: Historical, theoretical, and/or formal approaches to literary movements in different periods and cultures.

LIT390S-3 - Special Topics in Individual Authors

Subject: LIT
Catalog Number: 390S-3
Title: Special Topics in Individual Authors

Description: Seminar version of Literature 154. Biographic, historical, and/or stylistic approaches to one or two individual authors, as well as critical debates concerning their work.

LIT390S-4 - Special Topics in Film

Subject: LIT
Catalog Number: 390S-4
Title: Special Topics in Film

Description: Close study of a major genre, period, or director.

LIT390S-5 - Selected Topics in Feminist Studies

Subject: LIT
Catalog Number: 390S-5
Title: Selected Topics in Feminist Studies

Description: Seminar version of Literature 390-5.

LIT390S-6 - Special Topics in Gender and Sexuality

Subject: LIT
Catalog Number: 390S-6
Title: Special Topics in Gender and Sexuality

Description: Seminar version of Literature 390-6.

LIT390S-7 - Special Topics in the Study of Literature in Relation to Other Disciplines

Subject: LIT
Catalog Number: 390S-7
Title: Special Topics in the Study of Literature in Relation to Other Disciplines

Description: A comparative approach to the study of literature that draws on the methods and materials of other disciplines, such as sociology, history, anthropology, or philosophy. Focus on the methods of interdisciplinary study. Contents vary with instructors.

LIT390S-8 - Special Topics in Culture and the Arts

Subject: LIT
Catalog Number: 390S-8
Title: Special Topics in Culture and the Arts

Description: Literature in relation to the plastic and visual arts, architecture, and photography. Topics will vary according to the instructor, for example: modernism and postmodernism, the avant-garde, identity, and nationalism in the art of a given period.

LIT390S-9 - Special Topics in Science and Culture

Subject: LIT
Catalog Number: 390S-9
Title: Special Topics in Science and Culture

Description: Approaches to the question of science and technology in a cultural context. Readings by scientists and scholars of science and society.
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<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
<th>Description</th>
</tr>
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<tbody>
<tr>
<td>LIT</td>
<td>390SA</td>
<td>Special Topics in Literature</td>
<td>Topics vary by semester.</td>
</tr>
<tr>
<td>LIT</td>
<td>391</td>
<td>Independent Study</td>
<td>Non-research directed study on a previously-approved topic under the direction of a faculty member, resulting in an academic product. Consent of instructor required.</td>
</tr>
<tr>
<td>LIT</td>
<td>393</td>
<td>Research Independent Study</td>
<td>Individual research in a field of special interest under the supervision of a faculty member, the central goal of which is a substantive paper or written report containing significant analysis and interpretation of a previously approved topic.</td>
</tr>
<tr>
<td>LIT</td>
<td>409D</td>
<td>Black (In) Translation</td>
<td>Examines the meanings of Blackness as it moves through the Atlantic world from 18th century to present. Readings explore theories of race and representation, and ways that translation conveys, shapes, and disrupts ideas about Blackness as cultural identity, lived experience, political claim. Course materials include works of literature, history, anthropology, and film. Taught in English, though, students enrolled under foreign language discussion sections will do reading, writing, research, and discussion in the language, requiring 2 years of foreign language study for language credit for the major or minor.</td>
</tr>
<tr>
<td>LIT</td>
<td>410S</td>
<td>Contemporary French Fiction</td>
<td>Novels published in France during the past decade. Fashions, fads, new trends, succès de scandale, and prize winners.</td>
</tr>
<tr>
<td>LIT</td>
<td>412S</td>
<td>Cultures of New Media</td>
<td>Anthropological look at 'new media' - their varied forms and histories, how they are used and understood, and their meanings and effects within different communities of users. Charts a number of technologies deemed 'new' in their day and the social meanings and communities that such technologies generated. Explores new media in domains of art and literature, as well as issues of race, gender, sexuality and how other indices of difference come to bear on new media and its use. Grounded in anthropology, readings will also draw on media studies, visual studies, cultural studies and critical theory, queer and gender theory, history and geography.</td>
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<td>Course Code</td>
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<tr>
<td>LIT416S</td>
<td>Strange Masterpieces: Major Authors in French and Francophone Modernity</td>
<td>LIT</td>
<td>416S</td>
</tr>
<tr>
<td>LIT418S</td>
<td>Art &amp; Democracy: Madrid/Barcelona/Valencia/Bilbao</td>
<td>LIT</td>
<td>418S</td>
</tr>
<tr>
<td>LIT420</td>
<td>Biography, Life Writing, Autofiction</td>
<td>LIT</td>
<td>420</td>
</tr>
<tr>
<td>LIT420A</td>
<td>Poéticas de aquí y de allá / Thinking Language: Poetics from Here and There</td>
<td>LIT</td>
<td>420A</td>
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<tr>
<td>Subject</td>
<td>Catalog Number</td>
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<tr>
<td>LIT421</td>
<td>421</td>
<td>Poéticas de aquí y de allá / Thinking Language: Poetics from Here and There</td>
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</table>

**Description**

An overview of current Spanish and Transatlantic poetry, with special attention to poetics (i.e. how poetry thinks the world while it thinks itself). Following critical interventions of authors like Gertrude Stein or Octavio Paz, and poems and reflections of contemporary authors like Antonio Gamoneda, Olvido García Valdés, or Eduardo Milán, course considers theoretical issues such as subjectivity, poetry's relation to thought, its formal, or the question about reality. Also explores the possibilities of language to serve as a powerful tool of resistance and memory. Students will have the opportunity to meet and converse with some of these poets.

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<tbody>
<tr>
<td>LIT426S</td>
<td>426S</td>
<td>France-Asia: Cultural Transfers and Translations in a Globalized Context</td>
</tr>
</tbody>
</table>

**Description**

This class explores the dynamic contemporary Franco-Asian dialogue with a specific focus on China, Japan, Vietnam, Laos and Cambodia. Seeking to go beyond the East-West divide, the seminar investigates the current stakes of this dialogue, given its growing complexity after 1945. It examines the postcolonial legacy of France’s occupation of Indochina, and how East Asia has also often been viewed as an ‘Other,’ serving to crystallize French anxieties over political and cultural power. It uses an interdisciplinary perspective encompassing novels, cinema, dance, visual arts, and critical theory to trace a web of exchanges in a globalized context. Taught in French.

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<tbody>
<tr>
<td>LIT427S</td>
<td>427S</td>
<td>Banlieues and Peripheries in French Contemporary Literature and Cinema</td>
</tr>
</tbody>
</table>

**Description**

This seminar explores figurations of banlieues and peripheries in contemporary French literature and cinema, and how they are inherently intertwined with a deep renewal of realist aesthetics. We will study the recent tendency to approach margins as metonymic and conflicted geopolitical configurations, articulating issues of gender, class and race. We will examine a constellation of recent films and narratives that can be anticipatory and expressive of the French social discontent in all its complexity, from the banlieues riots to the yellow vest movement.

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<tr>
<td>LIT428S</td>
<td>428S</td>
<td>Reading Contemporary Literature in French for the 'Choix Goncourt' Prize</td>
</tr>
</tbody>
</table>

**Description**

Why read literature today? And how do we talk about what we read? This seminar offers a unique opportunity to participate in the Choix Goncourt Prize in the U.S, and learn how to be a literary critic. Students will engage in dialogue with contemporary authors, acquire theoretical and critical literary tools, and learn the best practices of being part of a selecting literary committee. It is intended for those who want to deepen their knowledge of literature and culture, sharpen their critical spirit, and improve their skills in reading and writing French. One student will be designated as delegate and travel to NYC to attend the Prize ceremony at the Albertine bookshop. Taught in French.
### LIT430 - Gender and the Law

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<th>Subject</th>
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<tr>
<td>LIT</td>
<td>430</td>
<td>Gender and the Law</td>
</tr>
</tbody>
</table>

**Description**

Examination of issues at the intersection of gender and law through a number of different theoretical lenses. Analyzes policy problems with gender implications from the perspective of formal equality, substantive equality, nonsubordination theory, different voice theory, autonomy, and various poststructural critiques. Engages theory at the level of concrete, easily accessible ethical and policy issues, including such topics as employment equality, pregnancy, domestic violence, rape, reproductive rights, sexual orientation and sexual identity discrimination, family equality, sexual harassment, pornography, education equality, affirmative action, and the justice system.

### LIT438S - Techno-Orientalism: Asian/America, (Post)Human and Science Fiction

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<tr>
<th>Subject</th>
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<th>Title</th>
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<tbody>
<tr>
<td>LIT</td>
<td>438S</td>
<td>Techno-Orientalism: Asian/America, (Post)Human and Science Fiction</td>
</tr>
</tbody>
</table>

**Description**

Course examines global Science Fiction genres in literature, film, and social media as case studies to understand broad historical and social formations of Otherness, the Alien, Citizenship, (Im)migration. Studies racial assumptions in popular culture, domestic and international law, discourse of the human and human rights, science and technology industries, and other disciplines. Explores interdisciplinary intersections of race, gender, sexuality, class, and geopolitical divisions and interactions in Asian/American Studies and Postcolonial Studies from the past to the present.

### LIT439 - Queer China

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<th>Subject</th>
<th>Catalog Number</th>
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<tr>
<td>LIT</td>
<td>439</td>
<td>Queer China</td>
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</tbody>
</table>

**Description**

Examines queer discourses, cultures, and social formations in China, Greater China, and the global Chinese diaspora from the late imperial period to the present. Course will focus on cultural representations, particularly literary and cinematic, but will also consider a wide array of historical, anthropological, sociological, and theoretical materials.

### LIT442S - Jorge Luis Borges and Literary Representation in the Contemporary World

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<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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<tbody>
<tr>
<td>LIT</td>
<td>442S</td>
<td>Jorge Luis Borges and Literary Representation in the Contemporary World</td>
</tr>
</tbody>
</table>

**Description**

This course examines the literary works by Argentinean author Jorge Luis Borges, considered one of the most important and influential writers of the 20th century. While early interpretations of Borges’ work emphasized its aestheticism and the philosophical nature of his literary practice, more recent critics focus on its dialogue with a tradition of ethical and political thought dealing with issues of justice and the law, political representation and theology. We will read major works by Borges, as well as other major literary works from Argentina, representative works from 'High modernism', among others. Prerequisite: Spanish 333 or above, or instructor consent.
LIT450 - Foucault in Slow Motion

Subject: LIT
Catalog Number: 450
Title: Foucault in Slow Motion

Description
Michel Foucault’s work has been a powerful influence shaping debates in the humanities and social sciences around the world. Intensive study of key aspects of his arguments, including history, discourse, repression, the will to knowledge, visibility, soul production, biopolitics, and the socioeconomics of governance. Will focus on his major books, select essays and interviews, as well as articles by some of his interlocutors. ‘Slow motion’ is intended here as a methodological emphasis, highlighting both the deliberateness of this course’s approach and the intimate ways in which Foucault’s thinking partakes of the historically changing aesthetics and politics of seeing as well as of speaking.

LIT450S - Foucault in Slow Motion

Subject: LIT
Catalog Number: 450S
Title: Foucault in Slow Motion

Description
Michel Foucault’s work has been a powerful influence shaping debates in the humanities and social sciences around the world. Intensive study of key aspects of his arguments, including history, discourse, repression, the will to knowledge, visibility, soul production, biopolitics, and the socioeconomics of governance. Will focus on his major books, select essays and interviews, as well as articles by some of his interlocutors. ‘Slow motion’ is intended here as a methodological emphasis, highlighting both the deliberateness of this course’s approach and the intimate ways in which Foucault’s thinking partakes of the historically changing aesthetics and politics of seeing as well as of speaking.

LIT460S - Weil, Beauvoir, Murdoch: Three Women Philosophers in Mid-Twentieth Century Europe

Subject: LIT
Catalog Number: 460S
Title: Weil, Beauvoir, Murdoch: Three Women Philosophers in Mid-Twentieth Century Europe

Description
Simone Weil (1909-44), Simone de Beauvoir (1908-86), and Iris Murdoch (1919-99) are towering figures in the history of European philosophy. Yet they have all, in different ways, become somewhat marginal to the philosophical mainstream. All three wrote on ethics. Weil wrote on labor, society, affliction, and grace. Beauvoir wrote novels, memoirs, and The Second Sex, a groundbreaking feminist analysis of women’s situation. Inspired by Weil, Murdoch wrote about attention and the good and became one of the UKs leading novelists. The course will introduce students to their writing across genres, and situate their work about their respective national traditions.

LIT475S - Queer Theory

Subject: LIT
Catalog Number: 475S
Title: Queer Theory

Description
A seminar designed specifically for advanced study in sexuality and gender. Contextualizes queer theory as a distinct analytic tradition by paying attention to poststructuralist approaches to subjectivity, sociality, power, and knowledge. This course also serves as the capstone required for the Certificate in the program in the study of sexualities.
### LIT476S - Archiving and Visualizing Asia: Politics and Poetics of Knowledge Production

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<th>Subject</th>
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<th>Title</th>
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<tbody>
<tr>
<td>LIT</td>
<td>476S</td>
<td>Archiving and Visualizing Asia: Politics and Poetics of Knowledge Production</td>
</tr>
</tbody>
</table>

**Description**

Engages students in the practices and theories of archiving, documenting and curating marginal histories. Hands-on research in the archives of Duke's Rubenstein Special Collections and elsewhere. Examines histories of movements and encounters between the 'West' and 'Asia.' Teaches original archival research and documentary methods through guided excavations in digital, audiovisual, and material resources. Directed readings and special guest lectures guide students on how to think critically on the theories and praxis of knowledge production, collection, documentation, circulation, and consumption. Students curate projects for final research assignment.

### LIT483 - What Machiavelli Really Says

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<th>Subject</th>
<th>Catalog Number</th>
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<tbody>
<tr>
<td>LIT</td>
<td>483</td>
<td>What Machiavelli Really Says</td>
</tr>
</tbody>
</table>

**Description**

Everyone knows what 'Machiavellian' means, but what does Machiavelli really say? Reading his classical political texts, 'The Prince,' the 'Discourses on Livy,' and 'The Art of War' in the company of his literary works, including 'Mandragola,' we will examine how Machiavelli's ideas about power, deception, language, ethics, and representation emerged from his reading of Plato, Livy, Ovid, and Dante, while also exploring the reception and consequences of his ideas. Just as Machiavelli searched history for answers to his own political situation, our guiding question cannot help but be 'What would Machiavelli do?'

### LIT489S - Screening Europe

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<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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<tbody>
<tr>
<td>LIT</td>
<td>489S</td>
<td>Screening Europe</td>
</tr>
</tbody>
</table>

**Description**

Course debates identification of Europe as a political, historical and social entity from the standpoint of cinema. Provides students with an introduction to the notion of 'European cinema' from 1945 to the present-day crisis of Brexit and migration. Explores issues concerning interactions and relations between national and transnational identities, the local and the global, post-colonialism and multiculturalism, migration and nationalism, and Eastern versus Western Europe.

### LIT490 - Special Topics in Literature

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<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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<tbody>
<tr>
<td>LIT</td>
<td>490</td>
<td>Special Topics in Literature</td>
</tr>
</tbody>
</table>

**Description**

Special Topics in Literature.

### LIT490-1 - Special Topics in Theory

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<tr>
<th>Subject</th>
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<th>Title</th>
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<tr>
<td>LIT</td>
<td>490-1</td>
<td>Special Topics in Theory</td>
</tr>
</tbody>
</table>

**Description**

An advanced investigation of major concepts and principles in literary and/or cultural theory. Contents and methods vary with instructors.

### LIT490S-1 - Special Topics Theory

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<th>Subject</th>
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<th>Title</th>
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<tbody>
<tr>
<td>LIT</td>
<td>490S-1</td>
<td>Special Topics Theory</td>
</tr>
</tbody>
</table>

**Description**

An advanced investigation of major concepts and principles in literary and/or cultural theory. Contents and methods vary with instructors.
### LIT490S-2 - Special Topics in Literature

**Subject**
LIT

**Catalog Number**
490S-2

**Title**
Special Topics in Literature

**Description**
Special Topics in Literature.

---

### LIT495 - Honors Thesis I

**Subject**
LIT

**Catalog Number**
495

**Title**
Honors Thesis I

**Description**
First semester of a two-semester sequence, in which Literature majors begin the year-long honors program. No credit given for Literature 495 without completion of Literature 496. Does not count towards the ten Literature courses required for the major. Director of Undergraduate Studies consent required.

---

### LIT496 - Honors Thesis II

**Subject**
LIT

**Catalog Number**
496

**Title**
Honors Thesis II

**Description**
Continuation of Literature 495 in which Literature majors finish the year-long honors program. Does not count towards the ten Literature courses required for the major. Director of Undergraduate Studies consent required. Prerequisite: Literature 495.

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### LIT80S - Special Topics: Introduction to Literature

**Subject**
LIT

**Catalog Number**
80S

**Title**
Special Topics: Introduction to Literature

**Description**
Introduction to the study of literature and other forms of cultural expression, such as film. Different introductory approaches will be used in each section (for example, a systematic account of literary genres, a historical survey of ideas and forms of fiction, concepts of authorship and subjectivity, or of literary meaning and interpretation). More than one national literature or culture represented. May be taken twice for credit.

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### LIT89S - First-Year Seminar

**Subject**
LIT

**Catalog Number**
89S

**Title**
First-Year Seminar

**Description**
Topics vary each semester offered.

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### LSGS190S - Special Topics in Latino/a Studies in the Global South

**Subject**
LSGS

**Catalog Number**
190S

**Title**
Special Topics in Latino/a Studies in the Global South

**Description**
Topics vary by semester, but always have at least 30% of course content on Latino/as or Latino/a Studies.
<table>
<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>LSGS201</td>
<td>201</td>
<td>Introduction to Latino/a Studies in the Global South</td>
<td>Introduction to the interdisciplinary field of Latino/a Studies, and how it reconfigures the study of the United States and the Americas. Considers literature, history, sociology, economics, politics, culture and language in examining terms such as: Latino, latinidad, Global South, transnational, globalization, and multiculturalism. Exploration of alignments and divergences of Latino/a Studies with African and African American Studies, Latin American and Caribbean Studies, and Critical US Studies. Classroom learning will connect with the community outside of Duke. Required introductory course for students in the Latino/a Studies in the Global South certificate program.</td>
</tr>
<tr>
<td>LSGS201S</td>
<td>201S</td>
<td>Introduction to Latino/a Studies in the Global South</td>
<td>Intro to the interdisciplinary field of Latino/a Studies, and how it reconfigures the study of the United States and the Americas. Considers literature, history, sociology, economics, politics, culture and language in examining terms such as: Latino, latinidad, Global South, transnational, globalization, and multiculturalism. Exploration of alignments and divergences of Latino/a Studies with African and African American Studies, Latin American and Caribbean Studies, and Critical US Studies. Classroom learning will connect with the community outside of Duke. Required intro course for students in the Latino/a Studies in the Global South certificate program.</td>
</tr>
<tr>
<td>LSGS209</td>
<td>209</td>
<td>Intermediate Spanish for Heritage Learners</td>
<td>This course is the first of a two-course sequence for heritage Spanish learners. It aims to reconnect students with their linguistic and cultural heritage to further them through meaningful experiences. Activities in this course empower heritage learners to apply their bilingual/bicultural knowledge in academic and professional settings. Students have the opportunity to a) discuss topics relevant to their interests, use presentational skills to write and talk about them b) conduct sociolinguistic research, develop critical and integrative thinking skills in Spanish, and c) gain skills required to work professionally in a Spanish-speaking environment. Instructor consent required.</td>
</tr>
<tr>
<td>LSGS222</td>
<td>222</td>
<td>History of Latinxs in the United States</td>
<td>This introductory course will cover the social, cultural, and political histories of Latino/as in the United States from 1848 to the present including the Treaty of Guadalupe Hidalgo, the Great Depression, WWI/WWII, the creation of Latino/a civil rights organizations, and the civil wars and free trade agreements of the 1980s and 1990s that have spurned so much of contemporary migration. Themes include colonialism and conquest, sexuality and gender, race and ethnicity, transnationalism and migration, social inequality and practices of resistance. This class will highlight the diversity of the Latino/a experience—focusing on the history of Afro-Latino/as, queer Latino/as, and undocumented Latino/as.</td>
</tr>
</tbody>
</table>
### LSGS235S - Selena: Music, Media, and the Mexican American Experience

**Subject**  
LSGS  

**Catalog Number**  
235S  

**Title**  
Selena: Music, Media, and the Mexican American Experience  

**Description**  
How did singer Selena Quintanilla impact the world and why does she remain as such an important cultural fixture for Mexican-American communities? This class explores the life, music, and legacy of Selena Quintanilla. We will discuss how Selena used music to navigate a complex Mexican-American identity. Focusing on intersectional feminism, sexuality, iconicity, and fandom, we will learn about Selena’s music throughout the years and consider how these themes are interpreted and complicated across borders. Course materials engage readings from pop music studies, gender, sexuality, and feminist studies, Latinx studies and include a range of films, audio recordings, and podcasts.

### LSGS254 - Cultures and Politics of the America Borderlands

**Subject**  
LSGS  

**Catalog Number**  
254  

**Title**  
Cultures and Politics of the America Borderlands  

**Description**  
Americas borderlands refers to the intersection of North and Latin America through the movement of people, products, ideas, and technologies with focus on culture and agri-culture, including the production of food and pharmaceuticals-legal and illegal; explores dirt as concept of matter out of place and people without place and how sustenance can become poison; examines histories of Latin American bodies as ‘terrain’ for US-based scientific experiments.

### LSGS290 - Special Topics in Latino/a Studies in the Global South

**Subject**  
LSGS  

**Catalog Number**  
290  

**Title**  
Special Topics in Latino/a Studies in the Global South  

**Description**  
Topics vary by semester, but always have at least 50% of course content on Latino/as or Latino/a Studies.

### LSGS290S - Special Topics in Latino/a Studies in the Global South

**Subject**  
LSGS  

**Catalog Number**  
290S  

**Title**  
Special Topics in Latino/a Studies in the Global South  

**Description**  
Topics vary by semester, but always have at least 50% of course content on Latino/as or Latino/a Studies.

### LSGS305 - Advanced Spanish for Heritage Learners

**Subject**  
LSGS  

**Catalog Number**  
305  

**Title**  
Advanced Spanish for Heritage Learners  

**Description**  
This course is designed for heritage or bilingual students who grew up speaking Spanish at home, but have been educated almost exclusively in English. Together we will explore, reflect, and express opinions about topics that affect the diverse Latino communities in the United States such as: identity, bilingual education, immigration, health and human rights issues. Through reading current news and literary works, and listening and watching audiovisual media, students will develop the ability to read and write in Spanish in formal contexts, and also comprehend and compare the diversity and commonality of their Hispanic heritage.

### LSGS306 - Health, Culture, and the Latino Community

**Subject**  
LSGS  

**Catalog Number**  
306  

**Title**  
Health, Culture, and the Latino Community  

**Description**  
Exploration of health issues in the Spanish-speaking world shaped by social, cultural, political, ethnic, and economic determinants. Topics: cultural competency, community beliefs, medical practices and policies, preventive medicine, mental health. Projects include presentations, writing, research, and conversations with local and global contacts. Evaluation on knowledge of content, oral and written proficiency in Spanish. One 300-level Spanish course recommended prior to enrolling. Prerequisite: Spanish 204 or equivalent.
### LSGS306-1 - Health, Culture, and the Latino Community: Service Learning

**Subject**  
LSGS  

**Catalog Number**  
306-1  

**Title**  
Health, Culture, and the Latino Community: Service Learning  

**Description**  
Exploration of health issues in the Spanish-speaking world shaped by social, cultural, political, ethnic, and economic determinants. Topics: cultural competency, community beliefs, medical practices and policies, preventive medicine, mental health. This is a service-learning or community-engaged course. Engagement may include direct, project-based, or research-focused service with local/global community partners among other engaged practices. Evaluation on knowledge of content, oral and written proficiency in Spanish. One 300-level Spanish course recommended prior to enrolling. Prerequisite: Spanish 204 or equivalent.

### LSGS307S - Issues of Education and Immigration

**Subject**  
LSGS  

**Catalog Number**  
307S  

**Title**  
Issues of Education and Immigration  

**Description**  
Topics include Latino/a/x identities, educational pathways for Spanish-speakers in our community, relevant public policy and legislation, and social action. Required 20 hours outside of class with assigned community partners. Assessment on knowledge of content, oral and written Spanish, and participation in service. One 300-level Spanish course recommended prior to enrolling.

### LSGS308S - Latinx Voices in Duke, Durham, and Beyond

**Subject**  
LSGS  

**Catalog Number**  
308S  

**Title**  
Latinx Voices in Duke, Durham, and Beyond  

**Description**  
Construction of Latinx identity(ies) and formation of community voices through the lens of cultural, political, and social issues at local and national level. Assessment on knowledge of content, oral and written Spanish. Includes service-learning component. Recommended students take 300-level Spanish course prior to enrolling.

### LSGS310 - Translating Spanish-English and English-Spanish

**Subject**  
LSGS  

**Catalog Number**  
310  

**Title**  
Translating Spanish-English and English-Spanish  

**Description**  
Introduction to theories of translation and practice translating Spanish to English and English to Spanish. Students explore key ethical concerns related to translation and interpretation, negotiate translation of cultural references, and give each other feedback on translation drafts and editing. Products created individually or in collaboration include ads, comics, articles, subtitling and dubbing, and reflections on the translation process. This is a community-engaged course. Engagement may include project-based service with community partners among other engaged practices. Prerequisite: 300-level Spanish course or equivalent. Consent of instructor is required.
**LSGS314S - US Latin@ Histories**

**Subject**: LSGS  
**Catalog Number**: 314S  
**Title**: US Latin@ Histories

**Description**  
Content will vary, reflecting the diverse origins and experience of Latin@s in the US. Topics include geopolitics, media depictions, self-depictions, government policies, population flows, community formation and markets.

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**LSGS316 - Sociology of Racism in America**

**Subject**: LSGS  
**Catalog Number**: 316  
**Title**: Sociology of Racism in America

**Description**  
Examines social history of major racial groups in the US and relationships to contemporary standing. Discusses central concepts sociologists use to analyze racial matters. Central theme: 'racism' is not mere 'prejudice,' 'ignorance,' or 'intolerance,' but a comprehensive historical system of racial domination organized around the logic of white supremacy. Discussion of 'whiteness' in the USA—how whiteness emerged as a social category, an identity based on experiences of variety of European 'peoples;' how it dominated the racial structure of the US since the 17th century, how wealth has been distributed along racial lines, racialization of Asians and Latinos, and color blind racism.

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**LSGS330S - Undocumented America in Literature**

**Subject**: LSGS  
**Catalog Number**: 330S  
**Title**: Undocumented America in Literature

**Description**  
This seminar explores the representation of lived experiences, trajectories, and current events vis-à-vis the figure of the undocumented migrant, in contemporary American literature. Testimonial accounts, journalism chronicles, memoirs, poetry, cinematic works, and critical scholarship inform and propel our study of the experience of 'illegal' migrant movement—departure, journey, and arrival—as portrayed in Latino and Latina literature. We will question status designations such as 'illegal,' 'undocumented,' and 'unauthorized'; 'legitimacy' and recognition; the inadmissible and the construction of 'suspect' bodies; social participation in US society.

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**LSGS332S - Farmworkers in North Carolina: Roots of Poverty, Roots of Change**

**Subject**: LSGS  
**Catalog Number**: 332S  
**Title**: Farmworkers in North Carolina: Roots of Poverty, Roots of Change

**Description**  
Focus on those who bring food to our tables, particularly those who labor in the fields of North Carolina and the Southeast. Students will learn about farm work from the plantation system and slavery to sharecropping and up to the migrant and seasonal farmworker population today. Study and analysis of media representations of farmworkers and agricultural issues as well as historical and contemporary documentary work and its contributions to farmworker advocacy. Includes a service-learning component involving work in the community.
LSGS336 - Introduction to US Latino/a Literature

**Subject**: LSGS  
**Catalog Number**: 336  
**Title**: Introduction to US Latino/a Literature

**Description**  
Survey of US Latino/a Literature from 1960s to present. Examines formation of a Latino/a literary canon, its heterogeneous voices and imaginations, thematic strands, historical and political contexts, theoretical approaches, establishing critical overview of the range of nationalities, communities, identifications, and practices falling under the Latino/a designation. Explores how Latina and Latino identities have been envisioned and manifested since the Civil Rights Movement, and how Latina- or Latino-specific cultural production continues in dialogue with US multiracial lands cape. Not open to students who have taken Spanish 336A. In English; does not satisfy Trinity FL requirement.

LSGS336A - Introduction to LatinX Literature

**Subject**: LSGS  
**Catalog Number**: 336A  
**Title**: Introduction to LatinX Literature

**Description**  
An introduction to contemporary LatinX literary production, alongside its heterogeneous voices and creative imaginations. The formation of a Latino/a/X literary canon, its thematic strands, cultural connections, historical and political contexts, theoretical approaches, and circulation in the U.S. world and beyond, exploring the makings of 'the culture of prestige'—attending to considerations like what produces cultural capital, the marketplace of prizes, and visibility and artistic achievement. A critical and resourceful overview of the range of nationalities, communities, locations, identifications, and practices. Not open to students who have taken Spanish 336. Taught at Duke in Madrid.

LSGS337 - Latinx Music Cultures

**Subject**: LSGS  
**Catalog Number**: 337  
**Title**: Latinx Music Cultures

**Description**  
Focusing on the social and political contexts from which music emerges, this course traces the histories and contemporary adaptations of LatinX music and dance in Latin America, the Caribbean, and the United States. We will center Indigenous and Afro-Indigenous traditions such as wayno in the Andes and samba in Brazil as well as Afro-LatinX styles that have been recently popularized in the U.S. such as bachata and reggaeton. We will also focus on regional music and dance in Mexico, such as música norteña and son, and its transmission across borders. We will engage a variety of multi-media materials from across ethnomusicology, history, LatinX studies, and transnational feminism.

LSGS350 - Brains, Everywhere

**Subject**: LSGS  
**Catalog Number**: 350  
**Title**: Brains, Everywhere

**Description**  
Over the last three decades we have witnessed the speedy rise of the 'neurosciences,' an historical event characterized by some 'neuro-cultures' and 'neuro-subjects.' In this course we will track this history and ask what change in meaning might 'neuro' effect in the disciplines that were previously 'neuro'-free. If there is a neuro-turn in the humanities and social sciences, what is it that's 'turning'? We will consider the centrality of brain research in these discussions to ask questions about the meaning of 'personhood/subjectivity,' 'human/post human,' 'mind/body,' 'self/ego,' and 'emotion/affect.'

LSGS350S - Brains, Everywhere

**Subject**: LSGS  
**Catalog Number**: 350S  
**Title**: Brains, Everywhere

**Description**  
Over the last three decades we have witnessed the speedy rise of the 'neurosciences,' an historical event characterized by some 'neuro-cultures' and 'neuro-subjects.' In this course we will track this history and ask what change in meaning might 'neuro' effect in the disciplines that were previously 'neuro'-free. If there is a neuro-turn in the humanities and social sciences, what is it that's 'turning'? We will consider the centrality of brain research in these discussions to ask questions about the meaning of 'personhood/subjectivity,' 'human/post human,' 'mind/body,' 'self/ego,' and 'emotion/affect.'

LSGS354S - Intro to Psychoanalytic Theory

**Subject**: LSGS  
**Catalog Number**: 354S  
**Title**: Intro to Psychoanalytic Theory

**Description**  
In this seminar we will explore psychoanalytic theory by focusing on specific topics such as hysteria, perversion, sexuality, repression, narcissism, the unconscious, and the id/ego/superego. Throughout the semester, we will examine the relationship in psychoanalysis between theory and practice as well as entertain the possibility that the theories based on clinical practice might have some applicability for grappling with questions concerning power, politics, conceived in a global context, and what philosopher Michel Foucault referred to in his later work as the ‘care of the self.’
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<tr>
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<tbody>
<tr>
<td>LSGS</td>
<td>365S</td>
<td>Latino/a Popular Culture</td>
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<tr>
<td></td>
<td>366S</td>
<td>Latinx Social Movements</td>
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<td>390</td>
<td>Special Topics in Latino/a Studies in the Global South</td>
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<tr>
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<td>390S</td>
<td>Special Topics in Latino/a Studies in the Global South</td>
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<tr>
<td></td>
<td>412S</td>
<td>Mayas, Aztecs, and Incas: The World According to the Indigenous People of Latin America</td>
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<tr>
<td></td>
<td>438SA</td>
<td>Global Madrid</td>
</tr>
</tbody>
</table>

**LSGS365S - Latino/a Popular Culture**

**Subject**
LSGS

**Catalog Number**
365S

**Title**
Latino/a Popular Culture

**Description**
Examines connections between US Latina/o and Latin American populations mediated by contemporary popular culture and the world of the commodity. Explores sociocultural and political issues in US national culture, the ways US Latina/o cultures dialogue across the Americas, and how Latina, Latino, LatinX, and Latin American bodies inhabit particular cultural and geographic contexts. Addresses how popular cultural forms are developed, contested, or resolved vis-à-vis issues of difference, multicultural inclusiveness, domestic history, narratives of exile and migration. Materials covered include films, documentaries, television shows, art, advertising, comic strips, food fusions, music.

**LSGS366S - Latinx Social Movements**

**Subject**
LSGS

**Catalog Number**
366S

**Title**
Latinx Social Movements

**Description**
Over the course of the twentieth-century various Latino/a groups have mobilized their growing power to make demands for social justice and equality. This course will study the history of Latino/a organizing from the 1940s to the contemporary moment. Some of the groups we will examine include: the Chicano movement, the Young Lords Party, Chicana feminists, Third World Women’s Alliance, DREAMers, resistance to Arizona’s SB1070, and UndocuQueer. We will look at the history of political organizations, community formation, identity development, and movement ideology.

**LSGS390 - Special Topics in Latino/a Studies in the Global South**

**Subject**
LSGS

**Catalog Number**
390

**Title**
Special Topics in Latino/a Studies in the Global South

**Description**
A comparative and interdisciplinary approach to Latino/a Studies in the Global South. Topics and instructors vary by semester.

**LSGS390S - Special Topics in Latino/a Studies in the Global South**

**Subject**
LSGS

**Catalog Number**
390S

**Title**
Special Topics in Latino/a Studies in the Global South

**Description**
A comparative and interdisciplinary approach to Latino/a Studies in the Global South. Topics vary by semester and instructors.

**LSGS412S - Mayas, Aztecs, and Incas: The World According to the Indigenous People of Latin America**

**Subject**
LSGS

**Catalog Number**
412S

**Title**
Mayas, Aztecs, and Incas: The World According to the Indigenous People of Latin America

**Description**
The basic philosophical architecture of the three great civilizations of America; Maya, Aztec and Inca civilizations. Links the current indigenous revival in the Andes (Bolivia and Ecuador) and in the South of Mexico and Guatemala with the survival of their historical legacies.

**LSGS438SA - Global Madrid**

**Subject**
LSGS

**Catalog Number**
438SA

**Title**
Global Madrid

**Description**
Focusing on Madrid’s porous LatinX landscape, this course draws comparative perspectives across countries and cultures. Madrid’s demographic growth, at least since the late-1980s, includes migrants from Bolivia, Colombia, the Dominican Republic, Ecuador, Honduras, Paraguay, Peru, and Venezuela. Rather than drawing clear-cut ‘authenticating’ distinctions between LatinX and ‘the rest,’ this seminar places LatinX—in dialogue with the Iberian Peninsula and Spanish-speaking ‘communities’ alongside sociocultural imaginaries that enmesh Spaniards, Latin Americans, LatinX/a/Xs, and beyond. Taught at Duke in Madrid.
**LSGS439SA - Global Spain**

**Subject**: LSGS  
**Catalog Number**: 439SA  
**Title**: Global Spain

**Description**: This Duke in Spain course draws from comparative perspectives across countries and cultures. It links Madrid’s socio-cultural turning points vis-à-vis national and international migration to other geographies where Spanish is spoken. Forming a nexus with broader Spanish-language mobile circuits—as evinced, for example, through U.S. Latino/a/x populations—this seminar explores the Spanish capital as a global urban epicenter and primary destination site for migrants from Africa, the Americas, Europe, and Asia. Prerequisite: Spanish 204 or equivalent.

**LSGS490S - Special Topics in US Latina/o Literatures and Cultural Studies**

**Subject**: LSGS  
**Catalog Number**: 490S  
**Title**: Special Topics in US Latina/o Literatures and Cultural Studies

**Description**: Special topics in United States Latina/o literatures and cultural studies. Topics to be announced. Open to juniors and seniors. Counts towards the Spanish major but can only be counted once toward the core course requirement; subsequent courses would count as related courses. Counts only once for the minor. Taught in English.

**LSGS490S-1 - Special Topics in Latino/a Studies in the Global South**

**Subject**: LSGS  
**Catalog Number**: 490S-1  
**Title**: Special Topics in Latino/a Studies in the Global South

**Description**: A comparative and interdisciplinary approach to Latino/a Studies in the Global South. Topics vary with instructors.

**LSGS89S - First Year Seminar**

**Subject**: LSGS  
**Catalog Number**: 89S  
**Title**: First Year Seminar

**Description**: Topics vary each semester.

**MALAGASY101 - Elementary Malagasy I**

**Subject**: MALAGASY  
**Catalog Number**: 101  
**Title**: Elementary Malagasy I

**Description**: This course introduces students to the Malagasy language, which is spoken by 25 million people in Madagascar and the Comoro Islands. This is the first semester of a two-semester sequence, in which students will learn to speak, listen, read, and write basic Malagasy, as well as learn to function appropriately in routine situations in the target culture.

**MALAGASY102 - Elementary Malagasy II**

**Subject**: MALAGASY  
**Catalog Number**: 102  
**Title**: Elementary Malagasy II

**Description**: Malagasy is spoken by 25 million people in Madagascar and the Comoro Islands. This course is a continuation of Elementary Malagasy I, and continues to build listening, speaking, reading, and writing skills. As students develop interpersonal, interpretive, and presentational skills in Malagasy, they will learn to function appropriately in routine situations in the target culture. Texts include authentic materials and video. Recommended prerequisite: Elementary Malagasy I or permission of instructor.
MALAGASY203 - Intermediate Malagasy
Subject: MALAGASY
Catalog Number: 203
Title: Intermediate Malagasy
Description: Content-based approach focusing on aspects of Malagasy culture and society, with emphasis on the study of authentic audio and written texts. Course builds on elements of language acquired in the elementary sequence, expanding range and complexity of grammar and vocabulary.

MARSCI201 - The Future of the Oceans: From Science to Policy
Subject: MARSCI
Catalog Number: 201
Title: The Future of the Oceans: From Science to Policy
Description: The ocean covers two-thirds of the planet, forming the backbone of healthy ecosystems and many growing economies worldwide. Despite this importance, we know far less about the oceans than terrestrial environments. This course provides an overview of why the oceans matter, including the many ways people use and depend on the oceans. We will discuss the major issues that threaten our oceans, and students will explore emerging solutions to these challenges of changing ocean use using market-based, scientific, and policy approaches. Course will include an optional weekend field trip to the Duke Marine Lab in Beaufort.

MARSCI202 - Marine Biology and Ecology: Fantastic Sea Creatures and Where to Find Them
Subject: MARSCI
Catalog Number: 202
Title: Marine Biology and Ecology: Fantastic Sea Creatures and Where to Find Them
Description: Broad foundational knowledge of marine biology with an emphasis on ecology and evolution of marine organisms. Core areas include biodiversity, adaptations to marine environments, population & community ecology, ecosystem processes and services, and human forcing in marine systems. Survey of biodiversity in marine systems spanning microbes to marine mammals, emphasizing taxonomy, habitats and evolutionary history. Explore how marine communities interact with the physical environment to generate ecosystems and accompanying services spanning coastal/estuarine, blue water, and the deep sea. Examine population dynamics, population interactions and the consequences of those interactions.

MARSCI203 - Marine Social Science
Subject: MARSCI
Catalog Number: 203
Title: Marine Social Science
Description: Efforts to understand, predict, or manage change in marine systems often fail due to an underappreciation of the tightly coupled relationship between people and the oceans. Correspondingly, identifying sustainable and just solutions to today’s major ocean challenges requires an understanding of the values, processes, and systems that shape ocean connections and uses. Through the eyes of social scientists from various disciplines, this course will introduce students to the concepts and approaches social scientists use to understand major ocean sustainability problems (e.g. climate change, food production) and identify sustainable and just solutions to address them.
MARSCI203A - Marine Social Science

**Subject:** MARSCI  
**Catalog Number:** 203A  
**Title:** Marine Social Science

**Description**  
Efforts to understand, predict, or manage change in marine systems often fail due to an underappreciation of the tightly coupled relationship between people and the oceans. Correspondingly, identifying sustainable and just solutions to today's major ocean challenges requires an understanding of the values, processes, and systems that shape ocean connections and uses. Through the eyes of social scientists from various disciplines, this course will introduce students to the concepts and approaches social scientists use to understand major ocean sustainability problems (e.g. climate change, food production) and identify sustainable and just solutions to address them. Taught in Beaufort at Duke Marine Lab.

MARSCI204 - Integrative Oceanography

**Subject:** MARSCI  
**Catalog Number:** 204  
**Title:** Integrative Oceanography

**Description**  
The oceans and life within it form complex multidimensional systems. Understanding the dynamics of how marine systems work requires an integrative approach. This course will focus on using first principles, following the flow of energy, carbon, and nutrients, to reveal the mechanisms underlying the structure and function of marine ecosystems. The first half of the course will introduce foundational concepts from physical, chemical, and biological oceanography, while the second half will provide synthetic applications. Recommended prerequisite: Math 111L, Physics 141L, and Chemistry 101DL (or equivalent courses).

MARSCI204A - Integrative Oceanography

**Subject:** MARSCI  
**Catalog Number:** 204A  
**Title:** Integrative Oceanography

**Description**  
The oceans and life within it form complex multidimensional systems. Understanding the dynamics of how marine systems work requires an integrative approach. This course will focus on using first principles, following the flow of energy, carbon, and nutrients, to reveal the mechanisms underlying the structure and function of marine ecosystems. The first half of the course will introduce foundational concepts from physical, chemical, and biological oceanography, while the second half will provide synthetic applications. Prerequisite: Math 111L, Physics 141L, and Chemistry 101DL (or equivalent courses). Offered at the Duke Marine Lab in Beaufort.

MARSCI205 - Marine Megafauna

**Subject:** MARSCI  
**Catalog Number:** 205  
**Title:** Marine Megafauna

**Description**  
Ecology, systematics, and behavior of large marine animals including giant squid, bony fishes, sharks, sea turtles, seabirds, and marine mammals. Relations between ocean dynamics, large marine animals, and their role in ocean food webs. Impact of human activities and technological advancement on populations. Economic, social, and policy considerations in the protection of threatened species. Prerequisite: AP Biology, Introductory Biology, or consent of the instructor.

MARSCI270 - Conservation Biology and Policy

**Subject:** MARSCI  
**Catalog Number:** 270  
**Title:** Conservation Biology and Policy

**Description**  
Introduction to the key concepts of ecology and policy relevant to conservation issues at the population to ecosystems level. Focus on the origin and maintenance of biodiversity and conservation applications from both the biology and policy perspectives (for example, endangered species, captive breeding, reserve design, habitat fragmentation, ecosystem restoration/rehabilitation). Recommended prerequisite: introductory biology and a policy and/or introductory ecology course.

MARSCI270A - Conservation Biology and Policy

**Subject:** MARSCI  
**Catalog Number:** 270A  
**Title:** Conservation Biology and Policy

**Description**  
Introduction to the key concepts of ecology and policy relevant to conservation issues at the population to ecosystems level. Focus on the origin and maintenance of biodiversity and conservation applications from both the biology and policy perspectives (for example, endangered species, captive breeding, reserve design, habitat fragmentation, ecosystem restoration/rehabilitation). Taught in Beaufort at Duke Marine Lab. Recommended prerequisite: introductory biology and a policy and/or introductory ecology course.
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<tbody>
<tr>
<td>MARSCI272A</td>
<td>272A</td>
<td>Analysis of Ocean Ecosystems</td>
</tr>
</tbody>
</table>

**Description**
The history, utility, and heuristic value of the ecosystem; ocean systems in the context of Odum’s ecosystem concept; structure and function of the earth’s major ecosystems. Taught in Beaufort at Duke Marine Lab. Prerequisite: one year of biology, one year of chemistry, or consent of instructor.

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<tbody>
<tr>
<td>MARSCI273L</td>
<td>273L</td>
<td>Marine Ecology</td>
</tr>
</tbody>
</table>

**Description**
Distribution, abundance, and diversity of marine organisms, including a survey of the major flora and fauna in the marine environment, including physical characteristics, adaptation to environment, species interactions, biogeography, larval recruitment, and biodiversity and conservation of communities found in rocky shores, tidal flats, beaches, marshes, mangrove, coral reefs, and subtidal areas. Lectures, field excursions, lab exercises and an independent project. Taught fall, spring, and summer. Recommended prerequisite: AP biology or introductory biology.

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<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>MARSCI273LA</td>
<td>273LA</td>
<td>Marine Ecology</td>
</tr>
</tbody>
</table>

**Description**
Distribution, abundance, and diversity of marine organisms, including a survey of the major flora and fauna in the marine environment, including physical characteristics, adaptation to environment, species interactions, biogeography, larval recruitment, and biodiversity and conservation of communities found in rocky shores, tidal flats, beaches, marshes, mangrove, coral reefs, and subtidal areas. Lectures, field excursions, lab exercises and an independent project. Taught in Beaufort at Duke Marine Lab. Taught fall, spring, and summer; spring enrollment requires travel. Recommended prerequisite: AP biology or introductory biology. Instructor consent required, visit DUML website for details.

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<thead>
<tr>
<th>Subject</th>
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</thead>
<tbody>
<tr>
<td>MARSCI278L</td>
<td>278L</td>
<td>Comparative Physiology of Marine Animals</td>
</tr>
</tbody>
</table>

**Description**
Physiology of marine animals with emphasis on comparisons between marine vertebrates and humans. Focus on physiological processes including gas exchange, circulation, osmoregulation, metabolism, thermoregulation, endocrine, neural control and sensory systems. Lectures and laboratories illustrate the methodology, analysis techniques, and written reporting of physiological research. Taught in Beaufort at Duke Marine Lab. Taught fall, spring, and summer. Prerequisite: AP biology, introductory biology, or consent of the instructor.

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**Description**
Physiology of marine animals with emphasis on comparisons between marine vertebrates and humans. Focus on physiological processes including gas exchange, circulation, osmoregulation, metabolism, thermoregulation, endocrine, neural control and sensory systems. Lectures and laboratories illustrate the methodology, analysis techniques, and written reporting of physiological research. Taught in Beaufort at Duke Marine Lab. Taught fall, spring, and summer. Recommended prerequisite: AP biology, introductory biology, or consent of the instructor.

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<tr>
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</thead>
<tbody>
<tr>
<td>MARSCI280LA</td>
<td>280LA</td>
<td>Sound in the Sea: Introduction to Marine Bioacoustics</td>
</tr>
</tbody>
</table>

**Description**
Fundamentals of marine bioacoustics with a focus on current literature and conservation issues. Topics include: introduction to acoustics; acoustic analysis methods and quantitative tools; production and recording of sound; ocean noise; propagation theory; active and passive acoustics; hearing, sound production and communication in marine organisms, potential impacts of anthropogenic noise; and regulation of marine sound. Labs will focus on methodologies used for generating, recording and analyzing marine sounds. Taught in Beaufort at Duke Marine Lab. Prerequisite: AP Biology, introductory biology, or consent of instructor; Physics 141L or 164L (or equivalent Physics courses) or consent of instructor.
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<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>MARSCI286</td>
<td>286</td>
<td>Marine Policy</td>
</tr>
<tr>
<td>MARSCI286A</td>
<td>286A</td>
<td>Marine Policy</td>
</tr>
<tr>
<td>MARSCI287A</td>
<td>287A</td>
<td>Conservation Biology &amp; Service Learning: coastal ecosystems, restoration and communities</td>
</tr>
<tr>
<td>MARSCI301LA</td>
<td>301LA</td>
<td>Coastal Restoration Ecology</td>
</tr>
</tbody>
</table>

Subject  MARSCI  Catalog Number  Title
MARSCI 286  Marine Policy
MARSCI 286A  Marine Policy
MARSCI 287A  Conservation Biology & Service Learning: coastal ecosystems, restoration and communities
MARSCI 301LA  Coastal Restoration Ecology

**MARSCI286 - Marine Policy**

**Subject** MARSCI  
**Catalog Number** 286  
**Title** Marine Policy

**Description**
Policy and policy-making concerning the coastal marine environment. History of marine-related organizations, legislation, and issues and their effects on local, regional, national, and international arenas. Use of theoretical and methodological perspectives, including political science, sociology, and economics. Duke Marine Lab-based course video linked to Durham.

**MARSCI286A - Marine Policy**

**Subject** MARSCI  
**Catalog Number** 286A  
**Title** Marine Policy

**Description**
Policy and policy-making concerning the coastal marine environment. History of marine-related organizations, legislation, and issues and their effects on local, regional, national, and international arenas. Use of theoretical and methodological perspectives, including political science, sociology, and economics. Taught in Beaufort at Duke Marine Lab.

**MARSCI287A - Conservation Biology & Service Learning: coastal ecosystems, restoration and communities**

**Subject** MARSCI  
**Catalog Number** 287A  
**Title** Conservation Biology & Service Learning: coastal ecosystems, restoration and communities

**Description**
Introduction to marine conservation biology emphasizing community outreach at local middle schools. Material focuses on issues in marine conservation and how they are addressed. Lectures cover principles of conservation, biodiversity, extinction risks, genetic tools, fishery by-catch, over-exploitation, habitat degradation, invasive species, climate change, and marine protected areas. Based on class discussions, students will develop and teach activities that address local conservation topics for middle school students. Taught in Beaufort at Duke Marine Lab. Recommended prerequisite: introductory biology.

**MARSCI301LA - Coastal Restoration Ecology**

**Subject** MARSCI  
**Catalog Number** 301LA  
**Title** Coastal Restoration Ecology

**Description**
This course provides an introduction to restoration ecology and ecological restoration. We will explore the major ecological theories that guide restoration ecology as well as the unique considerations and techniques needed to restore the world’s dominant coastal ecosystems (e.g., saltmarshes, seagrass beds, coral reefs, etc.), and we will conclude by focusing on challenges and opportunities for ecosystem restoration in the 21st century. Students will participate in lectures, discussions, and field trips. Recommended prerequisite: introductory biology or environmental science. Taught at the Duke Marine Lab.
MARSCI304SLA - Evolutionary and Ecological Genetics/Genomics of Marine Mammals

**Subject** | MARSCI  
---|---  
**Catalog Number** | 304SLA  
**Title** | Evolutionary and Ecological Genetics/Genomics of Marine Mammals  

**Description**

Current sequencing technologies have revolutionized the fields of molecular, evolutionary, and ecological genetics. The ability to generate an entire genome worth of sequence data in a single instrument run allows us to study whole genomes in a variety of non-model organisms. We will use the genomes of marine mammals to explore the field of genomics. We will begin with basic genomics (i.e. Genome-101), sequencing technologies and bioinformatics, and explore conservation, ecological and evolutionary genetics of marine mammals using literature and publicly available datasets. Biology 201L is recommended but not required. Offered at the Duke University Marine Lab in Beaufort.

MARSCI305SA - Social Impact Analysis

**Subject** | MARSCI  
---|---  
**Catalog Number** | 305SA  
**Title** | Social Impact Analysis  

**Description**

Course covers theoretical, methodological and applied aspects of social impact analysis. Students will think sociologically about environmental issues and social impacts they create. Course reviews key US policies and guidelines that require and inform social impact analysis. Students will understand and critique key methods and approaches used in social impact analysis to generate inclusive decisions that protect the environment and health of human communities that share its abundance and meaning. Course will compare and critique a range of national and international social impact examples, including ethical issues associated with the non-human world. Consent of instructor is required. Taught in Beaufort at Duke Marine Lab.

MARSCI308A - Oceans in Human and Environmental Health

**Subject** | MARSCI  
---|---  
**Catalog Number** | 308A  
**Title** | Oceans in Human and Environmental Health  

**Description**

Students will gain a grounding in marine sciences to help them to evaluate impacts the of anthropogenic activities on marine ecosystems and the humans that rely on them. After developing an understanding of the issues facing environmental and human health and well-being in marine systems, students will travel to the Galapagos to better understand environmental challenges facing biodiversity and tourism hot spot. This course embraces immersive field experiences in North Carolina and the Galapagos to contextualize classroom learning and to develop connections with environmental practitioners and residents. Taught in Beaufort at Duke Marine Lab. Duke Immerse course. Instructor consent is required.

MARSCI309A - Oceans in Human and Environmental Health

**Subject** | MARSCI  
---|---  
**Catalog Number** | 309A  
**Title** | Oceans in Human and Environmental Health  

**Description**

Focus on the concept of 'One Health' that the health of the environment and the people who live in it are linked. The basis (from a biological perspective) of threats facing the marine environment and interactions between environmental and human health and their role in global health disparities. For example, in discussing fisheries and aquaculture, the course will cover environmental impacts of these extractive industries and their importance in human and societal well-being. This course will embrace immersive field experiences in North Carolina that will contextualize classroom learning and develop connections with practitioners and residents. Taught in Beaufort at Duke Marine Lab.
### MARSCI309DA - Oceans in Human and Environmental Health

**Subject** MARSCI  
**Catalog Number** 309DA  
**Title** Oceans in Human and Environmental Health  

**Description**  
Focus on the concept of ‘One Health’ that the health of the environment and the people who live in it are linked. The basis (from a biological perspective) of threats facing the marine environment and interactions between environmental and human health and their role in global health disparities. For example, in discussing fisheries and aquaculture, the course will cover environmental impacts of these extractive industries and their importance in human and societal well-being. This course will embrace immersive field experiences in North Carolina that will contextualize classroom learning and develop connections with practitioners and residents. Taught in Beaufort at Duke Marine Lab.

### MARSCI319A - Aquaculture and the Environment

**Subject** MARSCI  
**Catalog Number** 319A  
**Title** Aquaculture and the Environment  

**Description**  
The major environmental, social and economic drivers of increasing global aquaculture, with a focus on marine systems. Quantitative evaluation and comparison of the range of species for aquaculture, locations where operations occur, operational aspects including environmental impacts and management considerations. Investigation of alternative approaches and potential future areas for aquaculture expansion as well as social, economic and technical barriers to implementation. Taught in Beaufort at Duke Marine Lab.

### MARSCI321A - Coastal Watershed Management and Restoration

**Subject** MARSCI  
**Catalog Number** 321A  
**Title** Coastal Watershed Management and Restoration  

**Description**  
This course will examine management of coastal watersheds and their biological function, focusing on the positive (restoration) and negative (degradation, eutrophication) ways that humans alter ecosystems. Local field trips are an integral part of this class to examine anthropogenic modifications to coastal ecosystems (e.g. farms, wetland restoration) as well as discussing these issues with stakeholders at NGOs, businesses and government. Taught at the Duke Marine Lab in Beaufort.

### MARSCI323A - Offshore Renewable Energy & Wildlife Conservation

**Subject** MARSCI  
**Catalog Number** 323A  
**Title** Offshore Renewable Energy & Wildlife Conservation  

**Description**  
Offshore renewable energy development requires unique considerations as an oceanic venture. Offshore renewable energy (wind and hydrokinetic) operation requires unique strategic preparation and considerations. This course will take a holistic approach to evaluating offshore renewable energy development: benefits and challenges of traditional vs. renewable offshore energy including concerns for wildlife (ocean noise generated by industrial activity, ship strikes, and a range of potential habitat changes); development of environmental impact statements; permitting processes; consultations with industry, government and other stakeholders; and legal implications. Taught in Beaufort.
MARSCI335 - Drones in Marine Biology, Ecology, and Conservation

Subject: MARSCI  
Catalog Number: 335  
Title: Drones in Marine Biology, Ecology, and Conservation

Description: Includes a full overview of past and emerging applications for ecology and biology of marine species and coastal habitats, with in-depth discussion on future of drone applications in coastal biological and ecological research. Comprehensive exploration of current drone technologies, including detection of target species, payloads, aeronautical concepts, rules and regulations, mission planning, aircraft design, maintenance, data collection, management and analysis. Lab components tailored to student interests: active participation in megafaunal or environmental research and data analysis; building, operating and maintaining aircraft, programming for manual and autonomous flight.

MARSCI335A - Drones in Marine Biology, Ecology, and Conservation

Subject: MARSCI  
Catalog Number: 335A  
Title: Drones in Marine Biology, Ecology, and Conservation

Description: Lecture-based version of Environment 335LA. Includes a full overview of past and emerging applications for ecology and biology of marine species and coastal habitats, with in-depth discussion on future of drone applications in coastal biological and ecological research. Comprehensive exploration of current drone technologies, including detection of target species, payloads, aeronautical concepts, rules and regulations, mission planning, aircraft design, maintenance, data collection, management and analysis. Lab components tailored to student interests: active participation in megafaunal or environmental research and data analysis; building, operating and maintaining aircraft, programming for manual and autonomous flight. Taught in Beaufort at Duke Marine Lab.

MARSCI350S - Marine Science and Conservation Leadership

Subject: MARSCI  
Catalog Number: 350S  
Title: Marine Science and Conservation Leadership

Description: Course will explore the complex interactions among science, policy and economics in the use of marine resources and the role individuals play in promoting marine conservation and environmental sustainability. Utilizing case studies ranging from fisheries to offshore energy, students will evaluate trade-offs systematically and learn to assess how different policy options affect the incentives of resource users. Serves as the capstone for the Marine Science and Conservation Leadership Certificate. Prerequisite: none.

MARSCI369LA - Biological Oceanography

Subject: MARSCI  
Catalog Number: 369LA  
Title: Biological Oceanography

Description: Discusses patterns of abundance, diversity and activity of organisms in major ocean ecosystems. Identifies major physical, chemical and ecological processes that affect these patterns, and analyzes impact of biology on ecosystems. Uses a 'flipped' classroom for enhanced development of quantitative skills to measure these patterns, emphasizing hands-on data collection and analyses, multiple field trips aboard DUML research vessels, and participatory activities to demonstrate core concepts in biological oceanography. Taught at Duke Marine Lab. Spring section requires travel. Recommended intro bio or AP Bio credit. Instructor consent required, visit DUML website for details.
### MARSCI370A - Physical Oceanography

<table>
<thead>
<tr>
<th>Subject</th>
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<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>MARSCI</td>
<td>370A</td>
<td>Physical Oceanography</td>
<td>Fundamental physical principles of ocean circulation. Physical properties of seawater; forces acting on the ocean such as heat, pressure gradients, wind stress, rotation, and friction; and conservation equations for heat, mass and momentum. Applications include geostrophic balances, thermal wind, coastally trapped waves, El Nino/ENSO, and tidal circulation. Taught in Beaufort at Duke Marine Lab. Prerequisite: one year of calculus and one semester of physics, or permission of instructor.</td>
</tr>
</tbody>
</table>

### MARSCI373LA - Sensory Physiology and Behavior of Marine Animals

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<tr>
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<th>Catalog Number</th>
<th>Title</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>MARSCI</td>
<td>373LA</td>
<td>Sensory Physiology and Behavior of Marine Animals</td>
<td>Sensory physiological principles with emphasis on visual and chemical cues. Laboratories will use behavior to measure physiological processes. Taught in Beaufort at Duke Marine Lab. Prerequisite: AP Biology or introductory biology or consent of instructor and Chemistry 101DL.</td>
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</tbody>
</table>

### MARSCI375A - Biology and Conservation of Sea Turtles

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<tr>
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<th>Catalog Number</th>
<th>Title</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>MARSCI</td>
<td>375A</td>
<td>Biology and Conservation of Sea Turtles</td>
<td>Essential biology of sea turtles (evolution, anatomy, physiology, behavior, life history, population dynamics) and their conservation needs; emphasis on their role in marine ecosystem structure and function. Basic ecological concepts integrated with related topics including the conservation and management of endangered species, the contributions of technology to the management of migratory marine species, the role of research in national and international law and policy, and the veterinary aspects of conservation. Taught in Beaufort at Duke Marine Lab. Prerequisite: introductory biology.</td>
</tr>
</tbody>
</table>

### MARSCI375A-1 - Biology and Conservation of Sea Turtles

<table>
<thead>
<tr>
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<th>Description</th>
</tr>
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<tbody>
<tr>
<td>MARSCI</td>
<td>375A-1</td>
<td>Biology and Conservation of Sea Turtles</td>
<td>Essential biology of sea turtles (evolution, anatomy, physiology, behavior, life history, population dynamics) and their conservation needs; emphasis on their role in marine ecosystem structure and function. Basic ecological concepts integrated with related topics including conservation and management of endangered species, contributions of technology to the management of migratory marine species, the role of research in national and international law and policy, and veterinary aspects of conservation. Taught at Duke Marine Lab. Travel required. Recommended intro Bio or AP Bio credit. Instructor consent required, visit DUML website for details.</td>
</tr>
</tbody>
</table>

### MARSCI375L - Biology and Conservation of Sea Turtles

<table>
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<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>MARSCI</td>
<td>375L</td>
<td>Biology and Conservation of Sea Turtles</td>
<td>Includes laboratory and field experience with animals and with their habitat requirements. Recommended prerequisite: introductory biology.</td>
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</tbody>
</table>

### MARSCI375LA - Biology and Conservation of Sea Turtles

<table>
<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>MARSCI</td>
<td>375LA</td>
<td>Biology and Conservation of Sea Turtles</td>
<td>Laboratory version of Biology 375A. Includes laboratory and field experience with animals and with their habitat requirements. Taught in Beaufort at Duke Marine Lab. Prerequisite: introductory biology.</td>
</tr>
<tr>
<td>MARSCI376A - Marine Mammals</td>
<td>MARSCI376L - Marine Mammals</td>
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<tr>
<td><strong>Subject</strong></td>
<td>MARSCI</td>
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<tr>
<td><strong>Catalog Number</strong></td>
<td>376A</td>
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<tr>
<td><strong>Title</strong></td>
<td>Marine Mammals</td>
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<tr>
<td><strong>Description</strong></td>
<td>The biology of cetaceans, pinnipeds, sirenians, and sea otters. Topics covered include the diversity, evolution, ecology, and behavior of marine mammals and their interactions with humans. Detailed consideration given to the adaptations that allow these mammals to live in the sea. Evaluation of the scientific, ethical, and aesthetic factors influencing societal attitudes toward these animals and of their conservation management in light of domestic legislation and international treaties. Taught in Beaufort at Duke Marine Lab. Prerequisite: introductory biology.</td>
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<table>
<thead>
<tr>
<th>MARSCI376LA - Marine Mammals</th>
<th>MARSCI377L - Biodiversity of Marine Invertebrates</th>
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<tbody>
<tr>
<td><strong>Subject</strong></td>
<td>MARSCI</td>
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<tr>
<td><strong>Catalog Number</strong></td>
<td>376LA</td>
</tr>
<tr>
<td><strong>Title</strong></td>
<td>Marine Mammals</td>
</tr>
<tr>
<td><strong>Description</strong></td>
<td>Laboratory version of Biology 376A. Laboratory and field exercises consider social organization, behavior, ecology, communication, and anatomy of local bottlenose dolphins. Taught in Beaufort at Duke Marine Lab. Prerequisite: introductory biology.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>MARSCI377LA - Biodiversity of Marine Invertebrates</th>
<th>MARSCI390 - Special Topics in Marine Science Conservation</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Subject</strong></td>
<td>MARSCI</td>
</tr>
<tr>
<td><strong>Catalog Number</strong></td>
<td>377LA</td>
</tr>
<tr>
<td><strong>Title</strong></td>
<td>Biodiversity of Marine Invertebrates</td>
</tr>
<tr>
<td><strong>Description</strong></td>
<td>An introduction to the biodiversity represented by major marine invertebrate groups, with emphasis on the diversity of body forms and behaviors and on anatomical structures and functions. Field trips primarily by boat allow students to explore invertebrates characteristic of a variety of coastal habitats in North Carolina, including mud flats, sandy beaches, salt marshes, oyster reefs, piers and docks, and the water column. Live invertebrates maintained in the laboratory serve as models for detailed study of form and function. Taught in Beaufort at Duke Marine Lab.</td>
</tr>
</tbody>
</table>

| **Subject** | MARSCI |
| **Catalog Number** | 390 |
| **Title** | Special Topics in Marine Science Conservation |
| **Description** | Content varies by semester. |
### MARSCI390A - Duke-Administered Study Abroad: Advanced Special Topics in Marine Science Conservation

<table>
<thead>
<tr>
<th>Subject</th>
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<tbody>
<tr>
<td>MARSCI</td>
<td>390A</td>
<td>Duke-Administered Study Abroad: Advanced Special Topics in Marine Science Conservation</td>
</tr>
</tbody>
</table>

**Description**
Topics vary by semester.

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### MARSCI390LA - Duke-Administered Study Away: Special Topics in Marine Science Conservation

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<th>Subject</th>
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<tr>
<td>MARSCI</td>
<td>390LA</td>
<td>Duke-Administered Study Away: Special Topics in Marine Science Conservation</td>
</tr>
</tbody>
</table>

**Description**
Topics vary by semester.

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### MARSCI390SA - Special Topics in Marine Science Conservation

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<th>Title</th>
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<tbody>
<tr>
<td>MARSCI</td>
<td>390SA</td>
<td>Special Topics in Marine Science Conservation</td>
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</tbody>
</table>

**Description**
Topics vary by semester. Taught in Beaufort at Duke Marine Lab.

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### MARSCI391 - Independent Study

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<th>Subject</th>
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<tbody>
<tr>
<td>MARSCI</td>
<td>391</td>
<td>Independent Study</td>
</tr>
</tbody>
</table>

**Description**
Individual readings course or other non-research-based independent course under the supervision of a faculty member, resulting in an academic product. Instructor consent required.

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### MARSCI391-1 - Independent Study

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<tr>
<td>MARSCI</td>
<td>391-1</td>
<td>Independent Study</td>
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</table>

**Description**
Individual readings course or other non-research-based independent course under the supervision of a faculty member, resulting in an academic product.

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### MARSCI391A - Independent Study

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<th>Subject</th>
<th>Catalog Number</th>
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</thead>
<tbody>
<tr>
<td>MARSCI</td>
<td>391A</td>
<td>Independent Study</td>
</tr>
</tbody>
</table>

**Description**
Individual readings course or other non-research-based independent course under the supervision of a faculty member, resulting in an academic product. Taught in Beaufort at Duke Marine Lab.

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### MARSCI393 - Research Independent Study

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<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>MARSCI</td>
<td>393</td>
<td>Research Independent Study</td>
</tr>
</tbody>
</table>

**Description**
Individual research in a field of special interest, under the supervision of a faculty member, the central goal of which is a substantive paper or written report containing significant analysis and interpretation of a previously approved topic.

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### MARSCI393A - Research Independent Study

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<thead>
<tr>
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<tbody>
<tr>
<td>MARSCI</td>
<td>393A</td>
<td>Research Independent Study</td>
</tr>
</tbody>
</table>

**Description**
Individual research in a field of special interest, under the supervision of a faculty member, the central goal of which is a substantive paper or written report containing significant analysis and interpretation of a previously approved topic. Taught in Beaufort at Duke Marine Lab.
MARSCI394 - Research Independent Study

Subject: MARSCI  
Catalog Number: 394  
Title: Research Independent Study  
Description: Individual research in a field of special interest, under the supervision of a faculty member, the central goal of which is a substantive paper or written report containing significant analysis and interpretation of a previously approved topic.

MARSCI394A - Research Independent Study

Subject: MARSCI  
Catalog Number: 394A  
Title: Research Independent Study  
Description: Individual research in a field of special interest, under the supervision of a faculty member, the central goal of which is a substantive paper or written report containing significant analysis and interpretation of a previously approved topic. Taught in Beaufort at Duke Marine Lab.

MARSCI427A - Current Topics in Sensory Biology

Subject: MARSCI  
Catalog Number: 427A  
Title: Current Topics in Sensory Biology  
Description: Exploration of recent and classic studies in sensory biology. Topics are chosen by students at the start of the semester. Usually includes vision, hearing, smell, taste, pheromones, electrorception, magnetoreception, bioluminescence, touch, time, and music. Taught at the Duke Marine Lab in Beaufort. Recommended prerequisite: Biology 201L, or 201L and 202L, or 203L or the equivalent, and one course in Neuroscience, or consent of instructor.

MARSCI445A - Climate Change in the Marine Environment

Subject: MARSCI  
Catalog Number: 445A  
Title: Climate Change in the Marine Environment  
Description: Exploration of climate change science focusing on marine ecosystems and inhabitants - specifically ocean acidification, warming and sea level rise. Factors causing climate change, and how those vary spatially, focusing on sensitive polar ecosystems and marine mammal populations. Critical examination of climate change modeling using EdGCM (research grade Global Climate Model), focusing on how scientists use models, observations/theory to predict climate, and assumptions/uncertainty implicit in modeling. Discussion of potential human impacts including consequences of sea level rise and potential increases in disease due to climate change. Taught in Beaufort at Duke Marine Lab.

MARSCI476A - Data and Time Series Analysis in Marine Sciences

Subject: MARSCI  
Catalog Number: 476A  
Title: Data and Time Series Analysis in Marine Sciences  
Description: This course is designed for students in marine and environmental science disciplines to learn data analysis skills, including analysis techniques and their implementation using MATLAB or R. Topics include: discrete sampling issues, data outlier and rejection tests, interpolation and gridding, error and propagation of uncertainty, coordinate rotations and principal axes, curve fits, regression, bootstrapping, filtering, spectral and harmonic analysis, spatial analyses. Other topics may be included or substituted depending on student interests. The course is structured as mix of weekly lectures and linked workshops applying methods to marine and environmental data sets. Taught in Beaufort at Duke Marine Lab. Instructor consent is required.

MATH105L - Laboratory Calculus and Functions I

Subject: MATH  
Catalog Number: 105L  
Title: Laboratory Calculus and Functions I  
Description: A study of functions with applications, and an introduction to differential calculus, with a laboratory component. Topics include a review of algebra and functions, mathematical modeling with elementary functions, rates of change, inverse functions, logarithms and exponential functions, the derivative, graphical interpretations of the derivative, optimization, related rates. Not open to students who have credit for Mathematics 21 or 111L(31L) or 121.
### MATH106L - Laboratory Calculus and Functions II

<table>
<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH</td>
<td>106L</td>
<td>Laboratory Calculus and Functions II</td>
<td></td>
</tr>
</tbody>
</table>

- **Description**
  - A continuation of Mathematics 105L. Topics include zeros of functions, antiderivatives, initial value problems, differential equations, Euler’s method, slope fields, review of trigonometry, the Fundamental Theorem of Calculus, integration by substitution, integration by parts, separation of variables, and systems of differential equations. Students who complete this course can enroll in Mathematics 112L. Prerequisite: Mathematics 105L. Not open to students who have credit for Mathematics 21 or 111L or 121.

### MATH111L - Laboratory Calculus I

<table>
<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH</td>
<td>111L</td>
<td>Laboratory Calculus I</td>
<td></td>
</tr>
</tbody>
</table>

- **Description**
  - Introductory calculus with a laboratory component. Emphasis on laboratory projects, group work, and written reports. Differentiation, transcendental functions, optimization, differential equations, numerical approximations, Euler’s method, the Fundamental Theorem, separation of variables, slope fields, and mathematical modeling. Not open to students who have credit for Mathematics 105L, 106L, or 121. Registration contingent on proctored Calculus I Placement Test on the first day of class.

### MATH112L - Laboratory Calculus II

<table>
<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH</td>
<td>112L</td>
<td>Laboratory Calculus II</td>
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</tbody>
</table>

- **Description**
  - Second semester of introductory calculus with a laboratory component. Emphasis on laboratory projects, group work, and written reports. Methods of integration, applications of integrals, functions defined by integration, improper integrals, introduction to probability and distributions, infinite series, Taylor polynomials, series solutions of differential equations, systems of differential equations, and Fourier series. Not open to students who have had Mathematics 122 or 122L. Prerequisite: Mathematics 106L or 111L (AP/IPC/PMC placement credit for Math 21 is not sufficient if Math 122L is offered) or consent.

### MATH122L - Introductory Calculus II with Applications

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<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH</td>
<td>122L</td>
<td>Introductory Calculus II with Applications</td>
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</tbody>
</table>

- **Description**
  - Topics include sequences and series, the definition of the integral and its uses, Taylor and Fourier Series, differential equations and mathematical models. Weekly labs will involve explorations of applications, techniques, and Theory. Prerequisite: Advanced placement credit for Mathematics 21. Not open to students who have taken Mathematics 105L, 106L, 111L, 112L, or 122.

### MATH163FS - Mathematics of Data Science

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<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH</td>
<td>163FS</td>
<td>Mathematics of Data Science</td>
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</tbody>
</table>

- **Description**
  - Introduction to the mathematics and algorithms that are central to a variety of data science applications. Basic mathematical concepts underlying popular data science algorithms will be introduced and students will write code implementing these algorithms. We will discuss the impact of these algorithms on society and ethical implications. Algorithms examined include: Google’s pagerank, principal component analysis for visualizing high dimensional data, hidden Markov models for speech recognition, and classifiers detecting spam emails. Linear algebra and basic probability will be the mathematical focus and there will be a programming component to this class using the R programming language. Open only to students in the Focus Program. Department consent required.

### MATH165FS - Cryptography and Society

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<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH</td>
<td>165FS</td>
<td>Cryptography and Society</td>
<td></td>
</tr>
</tbody>
</table>

- **Description**
  - Introduction to topics in mathematical cryptography, and the role of cryptography within society, in both historic and modern contexts. Cryptographic systems studied will include: early historical ciphers; the Enigma machines of WWII; modern public channel cryptography. Students will learn: to encode/decode using each system; to quantify the complexity, strength, and weaknesses of each system; to use elementary techniques from combinatorics, graph theory, abstract algebra, and number theory; about the role cryptography plays in human society. Open only to students in the Focus Program. Department consent required.
### MATH181 - Math Everywhere: Mathematical Concepts and Reasoning in our Modern World

**Subject**: MATH  
**Catalog Number**: 181  
**Title**: Math Everywhere: Mathematical Concepts and Reasoning in our Modern World

**Description**  
Mathematical concepts and reasoning, and their essential and exciting roles in our modern world. Topics include but not limited to: storage and communication of data, images, and music; social networks; evaluation of assessments based on statistics; design of visuals for video games and animated movies. Designed for students without college math but with interest in mathematical concepts important to modern applications. Six largely independent units, focused on building understanding and appreciation rather than development of mathematical techniques. Transfer credit not accepted as equivalent.

### MATH183 - Biological Clocks: How Organisms Keep Time

**Subject**: MATH  
**Catalog Number**: 183  
**Title**: Biological Clocks: How Organisms Keep Time

**Description**  
From sleep/wake cycles to flower openings to cell division and malaria infections, all organisms and cells display rhythmic behaviors. The course will focus on genetic and molecular networks that comprise clocks regulating cell division and circadian rhythms. Quantitative aspects of clock networks will be examined from the perspective of data analysis and dynamical systems models. Class will include lectures, primary literature readings, and in-class projects. Recommended prerequisite: Math 112L or equivalent, and Biology 20, 21, 201L, or 203L.

### MATH185 - The Art of Proof

**Subject**: MATH  
**Catalog Number**: 185  
**Title**: The Art of Proof

**Description**  
This course is an introduction to mathematical proofs as a creative endeavor. The intended audience of this course are students who would not normally take Math 245. Students in the arts, humanities, life sciences, and social sciences are encouraged to enroll. Students will learn problem solving, abstraction, symbolic logic; proof by construction, induction, contradiction; and basic set theory, number theory, and combinatorics. The course will be highly interactive, with emphasis placed on group learning. Students will practice communicating mathematical and logical arguments in both written (using LaTeX) and oral (via board talk) forms.

### MATH190 - Special Topics in Mathematics

**Subject**: MATH  
**Catalog Number**: 190  
**Title**: Special Topics in Mathematics

**Description**  
Topics vary.

### MATH190L - Special Topics in Mathematics

**Subject**: MATH  
**Catalog Number**: 190L  
**Title**: Special Topics in Mathematics

**Description**  
Topics vary.

### MATH190S - Seminar on Special Topics in Mathematics

**Subject**: MATH  
**Catalog Number**: 190S  
**Title**: Seminar on Special Topics in Mathematics

**Description**  
Seminar version of Math 190. Topics vary.
<table>
<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH</td>
<td>191</td>
<td>Independent Study</td>
<td>Directed reading in a field of special interest under the supervision of a faculty member. This course does not contribute to the requirements of a mathematics major. Consent of instructor and director of undergraduate studies required.</td>
</tr>
<tr>
<td>MATH</td>
<td>202</td>
<td>Multivariable Calculus for Economics</td>
<td>Gaussian elimination, matrix algebra, determinants, linear independence. Calculus of several variables, chain rule, implicit differentiation. Optimization, first order conditions, Lagrange multipliers. Integration of functions of several variables. Prerequisite: Mathematics 22, 112L, 122, or 122L. Not open to students who have taken Mathematics 212, 216, 218D-1, 218D-2, 219, 221, or 222.</td>
</tr>
<tr>
<td>MATH</td>
<td>202D</td>
<td>Multivariable Calculus for Economics</td>
<td>Gaussian elimination, matrix algebra, determinants, linear independence. Calculus of several variables, chain rule, implicit differentiation. Optimization, first order conditions, Lagrange multipliers. Integration of functions of several variables. Prerequisite: Mathematics 22, 112L, 122, or 122L. Not open to students who have taken Mathematics 212, 216, 218D-1, 218D-2, 219, 221, or 222.</td>
</tr>
<tr>
<td>MATH</td>
<td>21</td>
<td>Introductory Calculus I</td>
<td>Credit awarded on the basis of national/international examinations in mathematics such as College Board, International Baccalaureate, British Advanced Level. Equivalent to Mathematics 111L as a prerequisite, except that students entering Mathematics 112L in the fall must have taken Mathematics 111L or Mathematics 106L at Duke.</td>
</tr>
<tr>
<td>MATH</td>
<td>212</td>
<td>Multivariable Calculus</td>
<td>Partial differentiation, multiple integrals, and topics in differential and integral vector calculus, including Green’s theorem, the divergence theorem, and Stokes’s theorem. Not open to students who have taken Mathematics 202, 219, or 222. Prerequisite: Mathematics 22, 112L, 122, or 122L.</td>
</tr>
<tr>
<td>MATH</td>
<td>212A</td>
<td>Multivariable Calculus</td>
<td>Partial differentiation, multiple integrals, and topics in differential and integral vector calculus, including Green’s theorem, the divergence theorem, and Stokes’s theorem. Taught in Beaufort at Duke Marine Lab. Not open to students who have taken Mathematics 202, 219, or 222. Prerequisite: Mathematics 22, 112L, 122, or 122L.</td>
</tr>
</tbody>
</table>
### MATH212D - Multivariable Calculus

**Subject**  
MATH  

**Catalog Number**  
212D  

**Title**  
Multivariable Calculus  

**Description**  
Partial differentiation, multiple integrals, and topics in differential and integral vector calculus, including Green's theorem, the divergence theorem, and Stokes's theorem. Not open to students who have taken Mathematics 202, 219, or 222. Prerequisite: Mathematics 22, 112L, 122, or 122L.

### MATH216 - Linear Algebra and Differential Equations

**Subject**  
MATH  

**Catalog Number**  
216  

**Title**  
Linear Algebra and Differential Equations  

**Description**  
Systems of linear equations, matrix operations, vector spaces, linear transformations, orthogonality, determinants, eigenvalues and eigenvectors, diagonalization, linear differential equations, systems of differential equations with constant coefficients, applications, computer simulations. Intended primarily for engineering students. Prospective math majors should take Math 221 instead. Prerequisite: Mathematics 202, 212 or 222. Not open to students who have had Mathematics 218 or 221 or 356.

### MATH216D - Linear Algebra and Differential Equations (Discussion)

**Subject**  
MATH  

**Catalog Number**  
216D  

**Title**  
Linear Algebra and Differential Equations (Discussion)  

**Description**  
Discussion component of Mathematics 216.

### MATH218D - Matrices and Vector Spaces

**Subject**  
MATH  

**Catalog Number**  
218D  

**Title**  
Matrices and Vector Spaces  

**Description**  
Solving systems of linear equations, matrix factorizations and fundamental vector subspaces, orthogonality, least squares problems, eigenvalues and eigenvectors, the singular value decomposition and principal component analysis, applications to data-driven problems. Intended primarily for students in computer science and other data-focused sciences. Prospective math majors should take Mathematics 221 instead. Not open to students who have taken Mathematics 216 or 221. Recommended prerequisite: Mathematics 21, 121, 106L, or 111L.

### MATH218D-1 - Matrices and Vector Spaces

**Subject**  
MATH  

**Catalog Number**  
218D-1  

**Title**  
Matrices and Vector Spaces  

**Description**  
Solving systems of linear equations, matrix factorizations and fundamental vector subspaces, orthogonality, least squares problems, eigenvalues and eigenvectors, the singular value decomposition and principal component analysis, applications to data-driven problems. Intended primarily for students in computer science and other data-focused sciences. Prospective math majors should take Mathematics 221 instead. Not open to students who have taken Mathematics 216 or 221. Recommended prerequisite: Mathematics 21, 121, 106L, or 111L.

### MATH218D-2 - Matrices and Vectors

**Subject**  
MATH  

**Catalog Number**  
218D-2  

**Title**  
Matrices and Vectors  

**Description**  
Solving systems of linear equations, matrix factorizations and fundamental vector subspaces, orthogonality, least squares problems, eigenvalues and eigenvectors, the singular value decomposition and principal component analysis, applications to engineering problems. Intended primarily for students in engineering. Prospective math majors should take Mathematics 221 instead. Not open to students who have taken Mathematics 216 or 221. Recommended prerequisite: Mathematics 21, 121, 106L, or 111L.
**MATH218L - Matrices and Vector Spaces: Optional Lab Section**

**Subject**  
MATH

**Catalog Number**  
218L

**Title**  
Matrices and Vector Spaces: Optional Lab Section

**Description**  
Optional lab section for Mathematics 218-1: solving systems of linear equations, matrix factorizations and fundamental vector subspaces, orthogonality, least squares problems, eigenvalues and eigenvectors, the singular value decomposition and principal component analysis, applications to data-driven problems. Intended primarily for students in computer science and other data-focused sciences. Prospective math majors should take Mathematics 221 instead. Corequisite: Mathematics 218-1.

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**MATH219 - Multivariable Calculus**

**Subject**  
MATH

**Catalog Number**  
219

**Title**  
Multivariable Calculus

**Description**  
Partial differentiation, multiple integrals, and topics in differential and integral vector calculus, including Green's theorem, the divergence theorem, and Stokes's theorem. Intended for students who have had a course in linear algebra. Not open to students who have taken Mathematics 202, 212, or 222. Prerequisite: Mathematics 218-2, 216, 218, or 221.

---

**MATH22 - Introductory Calculus II**

**Subject**  
MATH

**Catalog Number**  
22

**Title**  
Introductory Calculus II

**Description**  
Credit awarded on the basis of national/international examinations in mathematics such as College Board, International Baccalaureate, British Advanced Level. Equivalent to Mathematics 112L as a prerequisite.

---

**MATH221 - Linear Algebra and Applications**

**Subject**  
MATH

**Catalog Number**  
221

**Title**  
Linear Algebra and Applications

**Description**  
Systems of linear equations and elementary row operations, Euclidean n-space and subspaces, linear transformations and matrix representations, Gram-Schmidt orthogonalization process, determinants, eigenvectors and eigenvalues; applications. Introduction to proofs. A gateway to more advanced math courses. Not open to students who have taken Mathematics 216 or 218. Recommended prerequisite: Mathematics 122, 112L or 122L.

---

**MATH221D - Linear Algebra and Applications**

**Subject**  
MATH

**Catalog Number**  
221D

**Title**  
Linear Algebra and Applications

**Description**  
Systems of linear equations and elementary row operations, Euclidean n-space and subspaces, linear transformations and matrix representations, Gram-Schmidt orthogonalization process, determinants, eigenvectors and eigenvalues; applications. Introduction to proofs. A gateway to more advanced math courses. Not open to students who have taken Mathematics 216 or 218. Recommended prerequisite: Mathematics 122, 112L or 122L.

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**MATH222 - Advanced Multivariable Calculus**

**Subject**  
MATH

**Catalog Number**  
222

**Title**  
Advanced Multivariable Calculus

**Description**  
Partial differentiation, multiple integrals, and topics in differential and integral vector calculus, including Green's theorem, Stokes's theorem, and Gauss's theorem for students with a background in linear algebra. Not open to students who have taken Mathematics 202, 212, or 219. Prerequisite: Mathematics 221.
<table>
<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH</td>
<td>230</td>
<td>Probability</td>
<td>Probability models, random variables with discrete and continuous distributions. Independence, joint distributions, conditional distributions. Expectations, functions of random variables, central limit theorem. Prerequisite: Calculus II (Mathematics 22, 112L, 122, or 122L) OR credit for multivariable calculus (Mathematics 202, 212, 219, or 222) OR graduate student standing. Not open to students who have credit for Mathematics 340.</td>
</tr>
<tr>
<td>MATH</td>
<td>230S</td>
<td>Probability Inquiry Based Learning</td>
<td>Students will spend class time working in groups to solve problems, prove statements, generate examples and present their work to the class. Probability models, random variables with discrete and continuous distributions. Independence, joint distributions, conditional distributions. Expectations, functions of random variables, central limit theorem. Prerequisite: Calculus II (Mathematics 22, 112L, 122, or 122L) OR credit for multivariable calculus (Mathematics 202, 212, 219, or 222) OR graduate student standing. Not open to students who have credit for Mathematics 340.</td>
</tr>
<tr>
<td>MATH</td>
<td>232S</td>
<td>Math, Ethics, and Society</td>
<td>Today, more than any time in history, mathematics builds and maintains the engines of power. What does it mean to use math ethically? Who should math benefit, and how does math culture, research, and education impact the world in which we live? We examine these questions through case studies covering a range of topics, including cryptography, algorithmically generated knowledge, AI, math education, and the underlying culture of mathematics. Students will learn through a combination of readings, discussions, group activities, and an open-ended cumulative project dealing with the interactions between math and community. Prerequisites: MATH 21, 105L, 111L, or 121.</td>
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<tr>
<td>Subject</td>
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<tr>
<td>MATH</td>
<td>238L</td>
<td>MATH238L - Fundamentals of Data Analysis and Decision Science</td>
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<td><strong>Description</strong></td>
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<td></td>
<td>This course provides a mathematically rigorous and broad foundation</td>
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<td>for key concepts in probability and statistics, as well as the</td>
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<td>application of probability and statistics to the mathematical</td>
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<td>modeling of non-deterministic systems. The main motivation of the</td>
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<td>course is to show how these concepts are fundamental to a variety of</td>
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<td>current data analysis techniques, and to demonstrate applications of</td>
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<td></td>
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<td>these techniques in situations relevant to all engineering majors.</td>
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<td>Prerequisite: (Mathematics 216, 218, or 221) and (Engineering 103L,</td>
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<td>Computer Science 101L, Computer Science 201, or Mathematics 218L.)</td>
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<td>240</td>
<td>MATH240 - Introduction to Applied Mathematics: Modeling, Equations</td>
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<td></td>
<td></td>
<td>and Proofs</td>
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<td><strong>Description</strong></td>
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<td>The course will consist of 3 or 4 concrete applications, for which</td>
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<td>precise mathematical questions will be formulated, and a mathematical</td>
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<td>framework developed that will make it possible to answer these</td>
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<td>questions. In doing so, we will encounter and explore portions of</td>
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<td>real analysis, probability, linear algebra, convex analysis,</td>
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<td>information theory and maybe others. We will also learn how to</td>
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<td>construct watertight mathematical arguments, and explore different</td>
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<td>proof techniques.</td>
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<td></td>
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<td>Prerequisites: none, beyond high school calculus.</td>
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<tr>
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<td>245</td>
<td>MATH245 - Introduction to Mathematics: Example, Conjecture, and Proof</td>
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<td><strong>Description</strong></td>
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<td>Explorations of interesting problems from a variety of branches of</td>
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<td>math such as geometry, number theory, combinatorics, logic, and</td>
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<td>analysis. Students will strengthen their problem solving and</td>
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<td></td>
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<td>proof-writing abilities. Recommended prerequisite: Mathematics 216,</td>
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<td></td>
<td>218, or 221.</td>
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<td>260</td>
<td>MATH260 - Python Programming in Mathematics</td>
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<td><strong>Description</strong></td>
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<td>Introductory programming course in Python providing a foundational</td>
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<td>background for programming in a mathematical setting. Students will</td>
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<td>learn the basics of object orientated programming: memory storage</td>
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<td>and variable scoping, recursion, objects and classes, and basic data</td>
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<td></td>
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<td>structures. A variety of numerical methods will be introduced, with</td>
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<td>a focus on their practical implementation, through a series of practice</td>
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<td>modules covering subjects that may include: linear algebra, machine</td>
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<td>learning, operations research, and genetics. Recommended prerequisite:</td>
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<td></td>
<td></td>
<td>linear algebra (Mathematics 216, 218, or 221). No programming</td>
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<td>background is required. Not open to students who have taken Computer</td>
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<td></td>
<td></td>
<td>Science 201.</td>
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</tbody>
</table>
### MATH281S - Problem Solving Seminar

**Subject**  
MATH  

**Catalog Number**  
2815  

**Title**  
Problem Solving Seminar  

**Description**  
Techniques for attacking and solving challenging mathematics problems and writing mathematical proofs. Course may be repeated. Consent of instructor required.

### MATH282S - Mathematical and Interdisciplinary Modeling Seminar

**Subject**  
MATH  

**Catalog Number**  
282S  

**Title**  
Mathematical and Interdisciplinary Modeling Seminar  

**Description**  
Introduction to mathematical techniques and their applications to real world problems. Class meetings will start with an introduction to a mathematical tool (and often its implementation), with the remainder of the class devoted to working in teams on modeling strategies for a given problem. Practice problems will be drawn from the COMAP Mathematical or Interdisciplinary Contest for Modeling, and students may have the opportunity to participate in the contest in February. Students will learn about a range of tools useful for modeling and write reports describing models and results. Prerequisite: Math 111 (or 121) and 112 (or 122). Some programming experience is useful but not required.

### MATH283S - Advanced Problem Solving Seminar

**Subject**  
MATH  

**Catalog Number**  
2835  

**Title**  
Advanced Problem Solving Seminar  

**Description**  
Students work on challenging mathematics problems and write complete and rigorous proofs. The focus is on preparing for math competitions such as the Putnam. Course may be repeated. Previous math competition experience recommended. Consent of instructor required. Half credit.

### MATH290 - Special Topics in Mathematics

**Subject**  
MATH  

**Catalog Number**  
290  

**Title**  
Special Topics in Mathematics  

**Description**  
Topics vary by semester.

### MATH290-1 - Topics in Mathematical Analysis

**Subject**  
MATH  

**Catalog Number**  
290-1  

**Title**  
Topics in Mathematical Analysis  

**Description**  
The selected topics will vary from year to year, depending on the instructors.

### MATH290S - Seminar in Topics in Mathematics

**Subject**  
MATH  

**Catalog Number**  
290S  

**Title**  
Seminar in Topics in Mathematics  

**Description**  
Seminar in various topics in mathematics. Contents vary by semester.
<table>
<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>MATH</td>
<td>298</td>
<td>Independent Study</td>
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<tr>
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<td>Description</td>
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<td></td>
<td>Directed reading in a field of special interest under the supervision of a faculty member, resulting in a paper or written report containing analysis and interpretation of a previously approved topic. Consent of instructor and director of undergraduate studies required.</td>
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</tbody>
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<th>Subject</th>
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<tbody>
<tr>
<td>MATH</td>
<td>304</td>
<td>Introduction to Cryptography</td>
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<td>Description</td>
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<td>Introduction to techniques in cryptography, accompanied by analysis of historical and societal consequences. Topics include elementary combinatorics and number theory, including modular arithmetic and prime numbers; classical ciphers and accompanying attacks; the Enigma machines; modern encryption schemes, including public channel cryptography. Prerequisite: Mathematics 212, 216, 219, 221, or 222, or consent of instructor. Not open to students who have taken Mathematics 404.</td>
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<th>Subject</th>
<th>Catalog Number</th>
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<tbody>
<tr>
<td>MATH</td>
<td>305S</td>
<td>Number Theory</td>
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<td>Description</td>
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<tr>
<td></td>
<td></td>
<td>Divisibility properties of integers, prime numbers, congruences, quadratic reciprocity, number-theoretic functions, simple continued fractions, rational approximations; contributions of Fermat, Euler, and Gauss. Prerequisite: Mathematics 122, 112L, 122L, or consent of instructor. Individual research paper required.</td>
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<th>Subject</th>
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<tbody>
<tr>
<td>MATH</td>
<td>323S</td>
<td>Geometry</td>
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<td>Description</td>
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<tr>
<td></td>
<td></td>
<td>Euclidean geometry, inverse and projective geometries, topology (Möbius strips, Klein bottle, projective space), and non-Euclidean geometries in two and three dimensions; contributions of Euclid, Gauss, Lobachevsky, Bolyai, Riemann, and Hilbert. Research project and paper required. Prerequisite: Mathematics 122, 112L, 122L, or consent of instructor.</td>
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<th>Subject</th>
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<tbody>
<tr>
<td>MATH</td>
<td>333</td>
<td>Complex Analysis</td>
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<td>Description</td>
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<tr>
<td></td>
<td></td>
<td>Complex numbers, analytic functions, complex integration, Taylor and Laurent series, theory of residues, argument and maximum principles, conformal mapping. Prerequisite: Mathematics 212 or 222 as well as Mathematics 221, or consent of instructor.</td>
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<tbody>
<tr>
<td>MATH</td>
<td>340</td>
<td>Advanced Introduction to Probability</td>
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<td>Description</td>
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<td></td>
<td>Advanced introduction to basic, non-measure theoretic probability covering topics in more depth and with more rigor than MATH 230. Topics include random variables with discrete and continuous distributions. Independence, joint distributions, conditional distributions, generating functions, Bayes' formula, and Markov chains. Rigorous arguments are presented for the law of large numbers, central limit theorem, and Poisson limit theorems. Prerequisite: Mathematics 202, 212, or 222. Not open to those who have taken Mathematics 230 or Statistics 230.</td>
</tr>
</tbody>
</table>
MATH342D - Statistics

Subject: MATH  
Catalog Number: 342D  
Title: Statistics  

Description:
An introduction to the concepts, theory, and application of statistical inference, including the structure of statistical problems, probability modeling, data analysis and statistical computing, and linear regression. Inference from the viewpoint of Bayesian statistics, with some discussion of sampling theory methods and comparative inference. Applications to problems in various fields. Prerequisite: (Mathematics 202D, 212, 219, or 222) and (Statistical Science 230, Statistical Science 240L, or Mathematics 340).

MATH343 - Theory and Methods of Statistical Learning and Inference

Subject: MATH  
Catalog Number: 343  
Title: Theory and Methods of Statistical Learning and Inference  

Description:
Estimators and properties (efficiency, consistency, sufficiency); loss functions. Fisher information, asymptotic properties and distributions of estimators. Exponential families, point and interval estimation, delta method. Neyman-Pearson lemma; likelihood ratio tests; multiple testing; design and the analysis of variance (ANOVA). High-dimensional data; statistical regularization and sparsity; penalty and prior formulations; model selection. Resampling methods; principal component analysis, mixture models. Prerequisite: (Statistical Science 240L, 230, or 231) and (Mathematics 202, 212, 219, or 222). Not open to students with credit for STA 250. Recommended prerequisite: Statistical Science 210, 360, and (Mathematics 221, 218, or 216).

MATH353 - Ordinary and Partial Differential Equations

Subject: MATH  
Catalog Number: 353  
Title: Ordinary and Partial Differential Equations  

Description:
First and second order ordinary differential equations with applications, Laplace transforms, series solutions and qualitative behavior, Fourier series, partial differential equations, boundary value problems, Sturm-Liouville theory. Intended primarily for engineering and science students. Prerequisite: (Mathematics 202, 202D, 212, 219, or 222) and (Mathematics 216, 218-1, 218-2, or 221). Not open to students who have taken Mathematics 356.

MATH353A - Ordinary and Partial Differential Equations

Subject: MATH  
Catalog Number: 353A  
Title: Ordinary and Partial Differential Equations  

Description:
First and second order ordinary differential equations with applications, Laplace transforms, series solutions and qualitative behavior, Fourier series, partial differential equations, boundary value problems, Sturm-Liouville theory. Intended primarily for engineering and science students. Study-abroad version of Math 353. Prerequisite: (Mathematics 202, 202D, 212, 219, or 222) and (Mathematics 216, 218-1, 218-2, or 221). Not open to students who have taken Mathematics 356.
**MATH356 - Elementary Differential Equations**

**Subject**  MATH  
**Catalog Number**  356  
**Title**  Elementary Differential Equations  

**Description**  
First and second order differential equations with applications; linear systems of differential equations; Fourier series and applications to partial differential equations. Additional topics may include stability, nonlinear systems, bifurcations, or numerical methods. Not open to students who have had Mathematics 216 or Mathematics 353. Recommended prerequisite: Mathematics 218 or 221 and one of 202, 212, or 222.

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**MATH361S - Mathematical Numerical Analysis**

**Subject**  MATH  
**Catalog Number**  361S  
**Title**  Mathematical Numerical Analysis  

**Description**  
Development of numerical techniques for accurate, efficient solution of problems in science, engineering, and mathematics through the use of computers. Linear systems, nonlinear equations, optimization, numerical integration, differential equations, simulation of dynamical systems, error analysis. Research project and paper required. Not open to students who have had Computer Science 220 or 520. Prerequisites: Mathematics 212 and 221 and basic knowledge of a programming language (at the level of Computer Science 101), or consent of instructor.

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**MATH371 - Combinatorics**

**Subject**  MATH  
**Catalog Number**  371  
**Title**  Combinatorics  

**Description**  
Permutations and combinations, generating functions, recurrence relations; topics in enumeration theory, including the Principle of Inclusion-Exclusion and Polya Theory; topics in graph theory, including trees, circuits, and matrix representations; applications. Prerequisite: Mathematics 122, 112L, 122L or consent of instructor.

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**MATH375 - Introduction to Linear Programming and Game Theory**

**Subject**  MATH  
**Catalog Number**  375  
**Title**  Introduction to Linear Programming and Game Theory  

**Description**  
Fundamental properties of linear programs; linear inequalities and convex sets; primal simplex method, duality; integer programming; two-person and matrix games. Prerequisite: Mathematics 221 or equivalence.

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**MATH388 - Logic and Its Applications**

**Subject**  MATH  
**Catalog Number**  388  
**Title**  Logic and Its Applications  

**Description**  
Topics in proof theory, model theory, and recursion theory; applications to computer science, formal linguistics, mathematics, and philosophy. Usually taught jointly by faculty members from the departments of computer science, mathematics, and philosophy. Prerequisite: a course in logic or consent of instructor.

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**MATH390 - Special Topics in Mathematics**

**Subject**  MATH  
**Catalog Number**  390  
**Title**  Special Topics in Mathematics  

**Description**  
Topics vary by semester.
**MATH391 - Independent Study**

**Subject** MATH  
**Catalog Number** 391  
**Title** Independent Study

**Description**
Directed reading in a field of special interest under the supervision of a faculty member, resulting in a substantive paper or written report containing significant analysis and interpretation of a previously approved topic. Consent of instructor and director of undergraduate studies required.

**MATH392 - Independent Study**

**Subject** MATH  
**Catalog Number** 392  
**Title** Independent Study

**Description**
Directed reading in a field of special interest under the supervision of a faculty member, resulting in a substantive paper or written report containing significant analysis and interpretation of a previously approved topic. Consent of instructor and director of undergraduate studies required. Prerequisite: Mathematics 391.

**MATH393 - Research Independent Study**

**Subject** MATH  
**Catalog Number** 393  
**Title** Research Independent Study

**Description**
Individual research in a field of special interest under the supervision of a faculty member, the central goal of which is a substantive paper or written report containing significant analysis and interpretation of a previously approved topic. Consent of instructor and director of undergraduate studies required.

**MATH394 - Research Independent Study**

**Subject** MATH  
**Catalog Number** 394  
**Title** Research Independent Study

**Description**
Individual research in mathematics or the applications of mathematics under the supervision of a faculty member. The goal must be a substantive paper containing significant analysis and interpretation of a previously approved topic. Prerequisite: Mathematics 393. Consent of instructor and director of undergraduate studies required.

**MATH401 - Introduction to Abstract Algebra**

**Subject** MATH  
**Catalog Number** 401  
**Title** Introduction to Abstract Algebra

**Description**
Groups, rings, and fields. Students intending to take a year of abstract algebra should take Mathematics 501 and 502. Not open to students who have had Mathematics 501. Recommended prerequisite: Mathematics 221.

**MATH403 - Advanced Linear Algebra**

**Subject** MATH  
**Catalog Number** 403  
**Title** Advanced Linear Algebra

**Description**
Topics in linear algebra beyond those in a first course. For example: principal component analysis and other decompositions (singular value, Cholesky, etc.); Perron-Frobenius theory; positive semi-definite matrices; linear programming and more general convexity and optimization; basic simplicial topology; Gerschgorin theory; classical matrix groups. Applications to computer science, statistics, image processing, economics, or other fields of mathematics and science. Prerequisite: Mathematics 212 or 222 and Mathematics 218 or 221.
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<tbody>
<tr>
<td>MATH</td>
<td>404</td>
<td>Mathematical Cryptography</td>
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<td><strong>Description</strong></td>
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<td>Mathematics of cryptography and some applications. Topics include finite fields, discrete logarithms, integer factorization and RSA, elliptic curve cryptography, hash functions, digital signatures, DES and AES. Open to students who have taken Mathematics 304. Prerequisite: Mathematics 221 or 218 or 216, Computer Science 101L or equivalent. Mathematics 401 or 501 would be useful.</td>
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<th>Title</th>
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<tr>
<td>MATH</td>
<td>411</td>
<td>Topology</td>
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<td><strong>Description</strong></td>
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<td>Elementary topology, surfaces, covering spaces, Euler characteristic, fundamental group, homology theory, exact sequences. Prerequisite: Mathematics 221.</td>
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<tr>
<td>MATH</td>
<td>412</td>
<td>Topological Data Analysis</td>
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<td><strong>Description</strong></td>
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<td>Introduction to topology from a computational view-point, with a focus on applications. Themes include: basic notions of point-set topology, persistent homology, finding multi-scale topological structure in point cloud data. Algorithmic considerations emphasized. Prerequisite: Mathematics 221 or equivalent.</td>
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<tr>
<td>MATH</td>
<td>421</td>
<td>Differential Geometry</td>
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<tr>
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<td><strong>Description</strong></td>
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<td></td>
<td>Geometry of curves and surfaces, the Serret-Frenet frame of a space curve, Gauss curvature, Cadazzi-Mainardi equations, the Gauss-Bonnet formula. Prerequisite: Mathematics 221 and one of 202, 212, or 222.</td>
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<tr>
<td>MATH</td>
<td>431</td>
<td>Introduction to Real Analysis</td>
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<td><strong>Description</strong></td>
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<td></td>
<td>Algebraic and topological structure of the real number system; rigorous development of one-variable calculus including continuous, differentiable, and Riemann integrable functions and the Fundamental Theorem of Calculus; uniform convergence of a sequence of functions; contributions of Newton, Leibniz, Cauchy, Riemann, and Weierstrass. Students intending to continue studying mathematics at a graduate level are encouraged to take Math 531 instead of this class. Not open to students who have taken Mathematics 531. Recommended prerequisite: Mathematics 202, 212, or 222.</td>
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<tr>
<td>MATH</td>
<td>451S</td>
<td>Nonlinear Dynamics and Chaos</td>
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<td><strong>Description</strong></td>
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<td>Theory and applications of systems of nonlinear ordinary differential equations. Topics may include qualitative behavior, numerical experiments, oscillations, bifurcations, deterministic chaos, fractal dimension of attracting sets, delay differential equations, and applications to the biological and physical sciences. Research project and paper required. Prerequisite: Mathematics 216 or 356 or consent of instructor.</td>
</tr>
</tbody>
</table>
MATH453 - Introduction to Partial Differential Equations

Subject: MATH  
Catalog Number: 453  
Title: Introduction to Partial Differential Equations

Description:
Heat, wave, and potential equations: scientific context, derivation, techniques of solution, and qualitative properties. Topics to include Fourier series and transforms, eigenvalue problems, maximum principles, Green's functions, and characteristics. Intended primarily for mathematics majors and those with similar backgrounds. Prerequisite: Mathematics 353 or 356 or consent of instructor.

MATH462 - Graph Analysis with Matrix Computation

Subject: MATH  
Catalog Number: 462  
Title: Graph Analysis with Matrix Computation

Description:
Undergraduate. Introduction to analysis of real-world networks and generated graphs via matrix representation, connection and computation. Graphs and networks are characterized, analyzed, and categorized by combinatorial, algebraic, and probabilistic measures of connectivity and centrality. Probabilistic graph categories include the small-world network model, the scale-free network model, as well as the traditional Erdos-Rényi model. Prerequisites: Math 212 or equivalent; Math 216, 218D or 221 or equivalent; CompSci 101L or equivalent.

MATH465 - Introduction to High Dimensional Data Analysis

Subject: MATH  
Catalog Number: 465  
Title: Introduction to High Dimensional Data Analysis

Description:

MATH466 - Mathematics of Machine Learning

Subject: MATH  
Catalog Number: 466  
Title: Mathematics of Machine Learning

Description:
The course will explore mathematics underlying the practice and theory of various machine learning concepts and algorithms. Kernel methods, deep learning, reinforcement learning, generalization error, stochastic gradient descent, and dimension reduction or data embeddings will be introduced. The interplay between the mathematics and real applications will be a component of the course. Students can take both this course and Mathematics 465 for credit. Recommended prerequisite: Mathematics 230/340 and 218/216/221 and some familiarity with programming, preferably Python.

MATH477S - Seminar in Mathematical Modeling with a Focus on Writing

Subject: MATH  
Catalog Number: 477S  
Title: Seminar in Mathematical Modeling with a Focus on Writing

Description:
Introduction to techniques used in the construction, analysis, and evaluation of mathematical models. Individual modeling projects in biology, chemistry, economics, engineering, medicine, or physics. Considerable attention is given to writing in an interdisciplinary context. Not open to student that have taken Math 476S. Prerequisite: Mathematics 353 or 356 or consent of instructor.

MATH490 - Topics in Mathematics

Subject: MATH  
Catalog Number: 490  
Title: Topics in Mathematics

Description:
Topics vary.
<table>
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<tr>
<td>MATH</td>
<td>491</td>
<td>Independent Study</td>
<td>Same as Mathematics 391, but for seniors. Consent of instructor and director of undergraduate studies required.</td>
</tr>
<tr>
<td>MATH</td>
<td>492</td>
<td>Independent Study</td>
<td>Directed reading in a field of mathematics or its applications under the supervision of a faculty member resulting in a substantive paper containing significant analysis and interpretation of a previously approved topic. For seniors. Consent of instructor and director of undergraduate studies required. Prerequisite: Mathematics 491.</td>
</tr>
<tr>
<td>MATH</td>
<td>493</td>
<td>Research Independent Study</td>
<td>Same as Mathematics 393, but for seniors. Consent of instructor and director of undergraduate studies required.</td>
</tr>
<tr>
<td>MATH</td>
<td>494</td>
<td>Research Independent Study</td>
<td>Individual research in mathematics or the applications of mathematics under the supervision of a faculty member. The goal must be a substantive paper containing significant analysis and interpretation of a previously approved topic. For seniors. Prerequisite: Mathematics 493. Consent of instructor and director of undergraduate studies required.</td>
</tr>
<tr>
<td>MATH</td>
<td>75</td>
<td>SPIRE Fellows STEM Skills and Identity Building</td>
<td>Introduction to mathematical techniques and applications in science and engineering. Students will participate in group research projects and discussions. Topics vary each semester offered. Instructor consent required.</td>
</tr>
<tr>
<td>MATH</td>
<td>89S</td>
<td>First-Year Seminar</td>
<td>Topics vary each semester offered.</td>
</tr>
</tbody>
</table>
ME221DL - Structure and Properties of Solids
Subject: ME  
Catalog Number: 221DL  
Title: Structure and Properties of Solids  
Description: Introduction to materials science and engineering, emphasizing the relationships between the structure of a solid and its properties. Atomic and molecular origins of electrical, mechanical, and chemical behavior are treated in some detail for metals, alloys, polymers, ceramics, glasses, and composite materials. Prerequisite: Chemistry 20, 21, or 101DL and Engineering 201L or Biomedical Engineering 110L.

ME221L - Structure and Properties of Solids
Subject: ME  
Catalog Number: 221L  
Title: Structure and Properties of Solids  
Description: Introduction to materials science and engineering, emphasizing the relationships between the structure of a solid and its properties. Atomic and molecular origins of electrical, mechanical, and chemical behavior are treated in some detail for metals, alloys, polymers, ceramics, glasses, and composite materials. Prerequisite: Chemistry 20, 21, or 101DL and Engineering 201L or Biomedical Engineering 110L.

ME321L - Mechanical Engineering Analysis for Design
Subject: ME  
Catalog Number: 321L  
Title: Mechanical Engineering Analysis for Design  
Description: Calculation of 3D stresses, strains, and deflections encountered in mechanical designs. Types of problems include: curved beams, contact stresses, press/shrink fits, etc. Reliability and uncertainty analysis, failure theories, fatigue, and fracture mechanics. Computational methods of analysis, such as finite elements analysis are covered. Prerequisite: Engineering 121L, 211L, 244L, and Mathematics 353.

ME331L - Thermodynamics
Subject: ME  
Catalog Number: 331L  
Title: Thermodynamics  
Description: The principal laws of thermodynamics for open and closed systems and their application in engineering. Properties of the pure substance, relationships among properties, mixtures and reactions. Power and refrigeration cycle analysis. Prerequisite: (Mathematics 212 or 219) and Physics 151L.

ME336L - Fluid Mechanics
Subject: ME  
Catalog Number: 336L  
Title: Fluid Mechanics  
Description: An introductory course emphasizing the application of the principles of conservation of mass, momentum, and energy in a fluid system. Physical properties of fluids, dimensional analysis and similitude, viscous effects and integral boundary layer theory, subsonic and supersonic flows, normal shockwaves. Selected laboratory work. Prerequisites: Engineering 244L and Mechanical Engineering 331L, Co-requisite or prerequisite: Mathematics 353.

ME344L - Control of Dynamic Systems
Subject: ME  
Catalog Number: 344L  
Title: Control of Dynamic Systems  
Description: Model dynamic systems, characterize time and frequency domain response with respect to particular inputs. Characterize systems in terms of rise-time, settling-time, bandwidth. Identify the difference between stable and unstable system. Apply feedback control to modify response of dynamic systems. Develop methods of designing compensators for single-input, single-output, and multiple-input, multiple-output dynamic systems. Introduces optimal control theory, the linear quadratic regulator problem, the linear quadratic Gaussian problem. Gain a physical understanding of role of feedback control in modifying the dynamics of a system. Prerequisite: (Engineering 224L or ECE 280L) and Mathematics 216. Not open to students who have taken ECE 382.
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<tr>
<td>ME</td>
<td>391</td>
<td>ME391 - Undergraduate Projects in Mechanical Engineering</td>
<td>Individual projects arranged in consultation with a faculty member. Open to students who show special aptitude for research and design. Taught in the Fall. Consent of director of undergraduate studies.</td>
</tr>
<tr>
<td>ME</td>
<td>392</td>
<td>ME392 - Undergraduate Projects in Mechanical Engineering</td>
<td>Individual projects arranged in consultation with a faculty member. Open to students who show special aptitude for research and design. Taught in the Spring. Consent of director of undergraduate studies.</td>
</tr>
<tr>
<td>ME</td>
<td>394</td>
<td>ME394 - Engineering Undergraduate Fellows Projects</td>
<td>Intensive research project in Mechanical Engineering by students selected as Engineering Undergraduate Fellows. Course credit is contingent upon satisfactory completion of 493 and 494. Consent of instructor and program director required.</td>
</tr>
<tr>
<td>ME</td>
<td>412</td>
<td>ME412 - Modern Materials</td>
<td>Modern Materials will examine the underlying molecular details that give materials their specific properties. The course will emphasize polymers, photovoltaics, magnetic materials, and biocompatible ceramics. Each module will begin with an overview of applications, economics, and history of the material. Starting with the standard characterization methods for each material, we will work towards an understanding of the fundamental physics and chemistry that leads to the unique properties of each material. The course will draw upon fundamental concepts in materials science, chemistry, physics, and calculus.</td>
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<tr>
<td>ME</td>
<td>419</td>
<td>ME419 - Molecular Modeling of Soft Matter</td>
<td>Fundamentals and application of statistical mechanics and molecular simulations towards modeling biological and soft materials. Students will learn a variety of computational techniques including energy minimization, molecular dynamics simulations, Monte Carlo simulations, and stochastic dynamics simulations. Students will obtain valuable hands on experience in using molecular simulation software, visualizing molecular systems, and analyzing simulation data for computing material properties. Prerequisites: Basic programming skills in C, MATLAB, Fortran, or Python. Basic undergraduate-level understanding of concepts in mathematics, physics, and chemistry.</td>
</tr>
<tr>
<td>ME</td>
<td>421L</td>
<td>ME421L - Mechanical Design</td>
<td>A study of practical aspects of mechanical design including conceptualization, specifications, and selection of mechanical elements. The design and application of mechanical components such as gears, cams, bearings, springs, and shafts. Practice in application of process through design projects. Prerequisite: Mechanical Engineering 221L and 321L.</td>
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<tr>
<td>ME</td>
<td>424L</td>
<td>ME424L - Mechanical Systems Design</td>
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<td>ME</td>
<td>426</td>
<td>ME426 - Ocean Engineering</td>
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<td>ME</td>
<td>431L</td>
<td>ME431L - Heat and Mass Transfer</td>
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<tr>
<td>ME</td>
<td>438</td>
<td>ME438 - Constructal Theory and Design</td>
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<tr>
<td>ME</td>
<td>442</td>
<td>ME442 - Introduction to Robotics and Automation</td>
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<tr>
<td>ME</td>
<td>461</td>
<td>ME461 - Energy Engineering and the Environment</td>
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**ME424L - Mechanical Systems Design**

**Description**

An integrative design course addressing both creative and practical aspects of the design of systems. Development of the creative design process, including problem formulation and needs analysis, feasibility, legal, economic and human factors, aesthetics, safety, synthesis of alternatives, and design optimization. Application of design methods through several projects including a term design project. Prerequisite: Mechanical Engineering 344L, 421L, and 431L.

**ME426 - Ocean Engineering**

**Description**

A challenging Ocean Engineering project will be undertaken in this class. Past examples include participation in a national XPRIZE contest to build an Ocean Sensor. Students define project scope and form task-oriented sub-teams to make significant progress toward overall class project goal. Students are expected to spend several hours per week outside of class working on the team projects. Students will need to be in teams that can all meet for at least couple of hours at the same time each week. Prerequisite: one of ECE 230L, ECE 250D, ECE 270DL, ECE 280L, Mechanical Engineering 221L, Engineering 244L, or Environment 102.

**ME431L - Heat and Mass Transfer**

**Description**


**ME438 - Constructal Theory and Design**

**Description**

Flow configuration in nature and engineering emerges from the constructal law of increase of flow access in time, when the flow system is endowed with freedom to morph. The course brings together the basic principles of fluid mechanics, heat transfer and thermodynamics, and teaches how to generate (to 'discover') shape and structure for energy flow systems. The course teaches design as science, and presents a paradigm that is applicable across the board, from engineering to biology, geophysics and social dynamics.

**ME442 - Introduction to Robotics and Automation**

**Description**

Fundamental notions in robotics, basic configurations of manipulator arm design, coordinate transformations, control functions, and robot programming. Applications of artificial intelligence, machine vision, force/torque, touch and other sensory subsystems. Design for automatic assembly concepts, tools, and techniques. Application of automated and robotic assembly costs, benefits, and economic justification. Selected laboratory and programming assignments. Prerequisites: ECE 280L or EGR 224L.

**ME461 - Energy Engineering and the Environment**

**Description**

Efficiencies of both new and established energy sources and conversion methods. Evaluation of alternative energy technologies by statistical information and by modeling using principals of fluid mechanics, thermodynamics and heat transfer. Electric energy generation by fossil fuels, nuclear, solar, wind and hydro. Space heating and cooling by traditional methods and by solar. Transportation energy in automobiles, mass transit and freight. Environmental consequences of energy choices on local, national and global scales, including toxic emissions, greenhouse gases and resource depletion. Prerequisite: Mechanical Engineering 331L Thermodynamics.
ME472 - Aircraft Performance
Subject: ME
Catalog Number: 472
Title: Aircraft Performance
Description: Brief overview of the aerodynamics of wings and bodies including profile and induced drag, performance of propellers and internal combustion and gas turbine power plants; the power curve and implications on the performance of the aircraft in steady-state and accelerated flight included power required, airspeeds to fly, takeoff and landing performance, performance of aircraft in turning flight; introduction to the conceptual design of new aircraft. Co-requisite: Mechanical Engineering 336L.

ME473 - Aerospace Structures
Subject: ME
Catalog Number: 473
Title: Aerospace Structures
Description: A rigorous course covering the analysis of aerospace structures. Basic elasticity, the stiffness method, plate and box-like structures, buckling, vibrations, loads, materials, design. Some project work and use of software. Prerequisite: EGR 201L, EGR 244L, Math 216. Use of Sakai. Text: Megson, 'Aircraft Structures', Elsevier, 2012.

ME490 - Special Topics in Mechanical Engineering
Subject: ME
Catalog Number: 490
Title: Special Topics in Mechanical Engineering
Description: Study arranged on a special engineering topic in which the faculty has particular interest and competence as a result of research and professional activities. Consent of instructor and director of undergraduate studies required.

ME491 - Special Projects in Mechanical Engineering
Subject: ME
Catalog Number: 491
Title: Special Projects in Mechanical Engineering
Description: Individual projects arranged in consultation with a faculty member. Open only to seniors enrolled in the graduation with distinction program or showing special aptitude for research. Half course to two courses. To be taught in the Fall. Prerequisites: B average and consent of the director of undergraduate studies.

ME492 - Special Projects in Mechanical Engineering
Subject: ME
Catalog Number: 492
Title: Special Projects in Mechanical Engineering
Description: Individual projects arranged in consultation with a faculty member. Open only to seniors enrolled in the graduation with distinction program or showing special aptitude for research. Half course to two courses. To be taught in the Spring. Prerequisites: B average and consent of the director of undergraduate studies.

ME493 - Engineering Undergraduate Fellows Projects
Subject: ME
Catalog Number: 493
Title: Engineering Undergraduate Fellows Projects
Description: Continuation course for Engineering Undergraduate Fellows, contingent upon satisfactory completion of 394. Consent required.
ME494 - Engineering Undergraduate Fellows Projects

**Subject**
ME

**Catalog Number**
494

**Title**
Engineering Undergraduate Fellows Projects

**Description**
Final continuation course for Engineering Undergraduate Fellows, contingent upon satisfactory completion of 394 and 493. Consent required.

ME499 - Undergraduate Research Seminar Series

**Subject**
ME

**Catalog Number**
499

**Title**
Undergraduate Research Seminar Series

**Description**
For students enrolled in senior-level undergraduate research. Intended for those pursuing Graduation with Departmental Distinction. Course will give students an opportunity to present research results to their peers and faculty in mechanical engineering throughout the semester, as well as provide exposure to the research of other mechanical engineering seniors. Permission of instructor required.

MEDREN105 - Old Worlds/New Histories, 500-1500 CE

**Subject**
MEDREN

**Catalog Number**
105

**Title**
Old Worlds/New Histories, 500-1500 CE

**Description**
New approaches to history of the world from ca. 500 to 1500 CE. Examines the world before European hegemony. Topics may include nature of autonomous centers of production around the globe; characteristics of trade, empire, science, technology, and high culture across Asia, the Middle East, Africa and the Americas; diffusion of inventions, ideas, cultures and religions through travel, trade, state and empire building. Readings and films explore diverse cosmopolitan worlds before the coming of modernity.


**Subject**
MEDREN

**Catalog Number**
125

**Title**

**Description**
A survey of Europe between approx. 1440-1750 that highlights changes in European society including the end of the Renaissance, the Reformation, the Scientific Revolution and the European encounter with other regions of the world.

MEDREN128 - War and Society in the Middle Ages and Renaissance

**Subject**
MEDREN

**Catalog Number**
128

**Title**
War and Society in the Middle Ages and Renaissance

**Description**
An introduction to war and society from about 500 to 1600 in western Europe. This course looks at the sources of conflict and the ways warrior identity and violence generally were culturally supported. The course will emphasize reading in primary sources, including documents and literature.

MEDREN135 - Silk Roads and China, Ancient and Medieval Transformations

**Subject**
MEDREN

**Catalog Number**
135

**Title**
Silk Roads and China, Ancient and Medieval Transformations

**Description**
The Silk Roads are the oldest and longest routes of cultural communication and economic exchange connecting Asia, Europe and Africa. In use since the days of Alexander the Great, the Roads and its rail networks now extend from China to England, connecting 70 countries and forming a vital system. This course introduces the ancient to early modern histories, cultures, and religions of the Silk Roads anchored in four themes: Alexander’s empire; life in medieval cities of Chang’an, Baghdad and Constantinople; Silk Roads religions and the interactions of Buddhism, Christianity, Judaism and Islam; and the Mongol empire visited through the travels of Marco Polo.
MEDREN145S - Gateway Seminar: Disease in the Premodern World

**Subject** MEDREN  
**Catalog Number** 145S  
**Title** Gateway Seminar: Disease in the Premodern World

**Description**  
Using primary sources students will explore the impact, management and changing definitions of disease in various pre-modern societies. We look at disease in the context of encounters, environmental change and state formation between 100 and 1700CE. Not just understood as a biological phenomenon, disease can also work as a signifying system, creating status hierarchies and highlighting particular social and political anxieties. Through the study of five or six historical epidemics, students will learn how to create historical resources out of medical sources.

MEDREN190S - Special Topics in Medieval Renaissance Studies

**Subject** MEDREN  
**Catalog Number** 190S  
**Title** Special Topics in Medieval Renaissance Studies

**Description**  
Topics differ each semester.

MEDREN190FS - Special Topics in Focus

**Subject** MEDREN  
**Catalog Number** 190FS  
**Title** Special Topics in Focus

**Description**  
Special topics in Medieval and Renaissance Studies open only to students in the Focus Program.

MEDREN191FS - Clash of Civilizations: In the Heart of Europe

**Subject** MEDREN  
**Catalog Number** 191FS  
**Title** Clash of Civilizations: In the Heart of Europe

**Description**  
This course focuses on the battle between barbarian invaders, established communities, and new religions in the Middle Ages. What became Spain and Portugal were battlegrounds between faiths old and new, a clash of civilizations between Christianity, Judaism, and Islam that would inform future global conflicts. We explore the history of this confrontation at the crossroad of civilizations—between East and West, Africa and Europe—and its effect on our worldview today. A common culture was forged in science, mathematics, music, literature, philosophy, and mysticism, a shared legacy shaping world history and the current world order. Part of the ‘Geopolitics and Culture’ Focus Cluster.

MEDREN201S - Music History I: Antiquity Through Renaissance

**Subject** MEDREN  
**Catalog Number** 201S  
**Title** Music History I: Antiquity Through Renaissance

**Description**  
The history of music in medieval and early Europe in its cultural and social context. Prerequisite: Music 261 or consent of instructor.

MEDREN202S - Music History II: 1600 through Mozart

**Subject** MEDREN  
**Catalog Number** 202S  
**Title** Music History II: 1600 through Mozart

**Description**  
The history of music in Europe in its cultural and social context. Prerequisite: Music 261 or consent of instructor.
**MEDREN215 - Gothic Cathedrals**

**Subject**  
MEDREN  

**Catalog Number**  
215  

**Title**  
Gothic Cathedrals  

**Description**  
Great cathedrals of Europe in England, Germany, and Italy, with a special focus on France, from roughly 1140 to 1270, and their construction, financing, and role in the fabric of medieval city life. The urban context of each city, the history of the site and its relics, and the artistic and technological developments that made the construction of these complex and large-scale structures possible. A consideration of Romanesque precedents and the origins of the various structural elements of Gothic architecture.

**MEDREN217 - The Body in Art in Early Modern Europe: Power and Limits of Corporeal Representations**

**Subject**  
MEDREN  

**Catalog Number**  
217  

**Title**  
The Body in Art in Early Modern Europe: Power and Limits of Corporeal Representations  

**Description**  
This course studies the artistic representations of the human body in many guises: aesthetic, political, social, cultural, and erotic. It analyses the different strategies artists deployed to develop rhetorics of the body both physical and emotional. It considers different media (including painting, sculpture, drawings, prints, architecture, and gardens) and major theoretical frameworks (including feminist theory, phenomenology, social theory and somaesthetics). This course considers the body dynamically through composition, as object of investigation, as locus of meaning and through social understanding. Lectures and discussions are complemented by corporeal performances and improvisations.

**MEDREN224S - Islam, Art, and Society**

**Subject**  
MEDREN  

**Catalog Number**  
224S  

**Title**  
Islam, Art, and Society  

**Description**  
Explores the historic interweaving of theology, spirituality, art, architecture, mathematics, & astronomy in the beautification of everyday objects & lived spaces. It examines how underlying principles of beauty and geometry shaped places such as hospitals, palaces, gardens, colleges, mosques, inns, and Sufi lodges as well as their historical functions in Muslim societies. Students also study and reconstruct historic examples of artistic patterns. A rotating variety of case studies across Afro-Eurasia may include sites and cultural artifacts from Bukhara, Cairo, Cordoba, Damascus, Delhi, Fes, Granada, Guangzhou, Hyderabad, Istanbul, Isfahan, Jerusalem, Malacca, Samarqand, Timbuktu & more.

**MEDREN225 - Art in Renaissance Italy**

**Subject**  
MEDREN  

**Catalog Number**  
225  

**Title**  
Art in Renaissance Italy  

**Description**  
The course provides a panorama of Italian Renaissance art including theory, painting, print, sculpture, and architecture. The objectives are to ensure knowledge of Renaissance artistic production and related historiography and to develop students' analytical and research skills. Materials are organized thematically around notions of artistic training and workshop practice, techniques, centers of production, art markets, antiquarianism and collections, patronage, gender, artistic rivalry, dissemination of knowledge, relationship with the spectator, social structures, sacred and secular spaces and objects, among others, which will be considered in relation to specific case studies.
### MEDREN225FS - Art in Renaissance Italy

**Subject**: MEDREN  
**Catalog Number**: 225FS  
**Title**: Art in Renaissance Italy

**Description**  
The course provides a panorama of Italian Renaissance art including theory, painting, print, sculpture, and architecture. The objectives are to ensure knowledge of Renaissance artistic production and related historiography, and to develop students' analytical and research skills. Materials are organized thematically around notions of artistic training and workshop practice, techniques, centers of production, art markets, antiquarianism and collections, patronage, gender, artistic rivalry, dissemination of knowledge, relationship with the spectator, social structures, sacred and secular spaces and objects, among others, which will be considered in relation to specific case studies. Open only to students in the Focus Program. Department consent required.

### MEDREN226 - Medieval Castles of Europe

**Subject**: MEDREN  
**Catalog Number**: 226  
**Title**: Medieval Castles of Europe

**Description**  
This course will examine the transition of Western Europe into a fortified landscape from the mid-11th century until the advent of large-scale artillery in the mid-15th century. In addition to tracking technological and stylistic changes over time, this course will identify the discrete elements of fortification that were combined into a variety of castle plans. Natural resources and physical topography will emerge as central factors in the choice of site and design for medieval castles. As a way of investigating these topics, students will digitally reconstruct a historical or imagined castle in 3D graphics at a specific place and time covered in the course.

### MEDREN227 - Renaissance Architecture in Italy: Brunelleschi to Michelangelo

**Subject**: MEDREN  
**Catalog Number**: 227  
**Title**: Renaissance Architecture in Italy: Brunelleschi to Michelangelo

**Description**  

### MEDREN229A - Renaissance and Baroque Art History

**Subject**: MEDREN  
**Catalog Number**: 229A  
**Title**: Renaissance and Baroque Art History

**Description**  
Introduction to the development of painting, sculpture, and architecture in Rome from the fifteenth to the early seventeenth centuries, focusing on the patronage of the Popes and the Papal court. Consent required. (Taught at the Intercollegiate Center for Classical Studies in Rome.)

### MEDREN233 - Michelangelo in Context

**Subject**: MEDREN  
**Catalog Number**: 233  
**Title**: Michelangelo in Context

**Description**  
Historical and cultural contextualization of the work of Michelangelo Buonarroti (1475-1564), painting, sculpture and architecture. History, historiography, contemporary debate and scholarship concerning his work of artistic training and workshop practice, techniques, centers of production, art markets and consumption, antiquarianism and art collections, patronage, identity, gender, artistic rivalry, spread of knowledge and models, relationship with the spectator, social life, sacred and secular spaces and objects. Field trip to the Metropolitan Museum of Art collection of Renaissance architectural drawings and prints in New York.

### MEDREN236 - Pilgrimage and Tourism

**Subject**: MEDREN  
**Catalog Number**: 236  
**Title**: Pilgrimage and Tourism

**Description**  
Investigation of pilgrimage and tourist destinations (Jerusalem, Rome, Santiago, Orlando, New York) from the Middle Ages to the present through a study of their material remains, primary sources and theoretical texts. Discussion of the moral and ethical issues involved in marketing authenticity from a cross-cultural and comparative perspective. Evaluation based on weekly student written assessments of the texts and the presentation of a pilgrimage site of their choice.
MEDREN240 - Drawing Foundations in Early Modern Europe
Subject: MEDREN
Catalog Number: 240
Title: Drawing Foundations in Early Modern Europe
Description: Through classroom lectures, museum visits, and studio practice, this course studies the place of drawing since its early modern theorization in the visual arts and in the artistic practice. Drawings can be records of visual observation, or of a speculative thought process; ways of working out ideas, and of presenting plans; they also achieve the status of independent art objects. Students will gain familiarity with drawing as an artistic medium related to major questions about art and society, while also learning fundamental and practical drawing skills that will give deeper insights into theory.

MEDREN244 - Renaissance Architecture: A European Perspective
Subject: MEDREN
Catalog Number: 244
Title: Renaissance Architecture: A European Perspective
Description: Surveys panorama of European architectural theory and production in fifteenth and sixteenth centuries within a broad geographical area including Italy, France, Spain, Germany, Poland, the Low Countries, and England. Course objectives are to insure knowledge of Renaissance architectural production, related historiography, and contemporary debate and scholarship as well as develop students' analytical and research skills. Reading materials organized chronologically to facilitate students' approach to the field of architectural history, while a thematic, case-study based approach will prevail in class.

MEDREN245S - Women in Visual Arts, 1400-1800: Theory and History
Subject: MEDREN
Catalog Number: 245S
Title: Women in Visual Arts, 1400-1800: Theory and History
Description: Through lectures, discussion and individual projects, this course considers the roles women have played in the Early Modern art world as makers, buyers, patrons, donors, critics, and art collectors. It also takes up issues of gender, of race, of masculinity as well as femininity. A central theme of this class is how debates about the so-called Woman Question, which was essentially an ongoing quarrel about the nature and social role of women, shaped the representations and experiences of women of different classes and conditions. Our focus will be on visual representations, as well as period writing of and by women.

MEDREN246 - Italian Baroque Art
Subject: MEDREN
Catalog Number: 246
Title: Italian Baroque Art
Description: This course will trace the development of the Italian baroque in architecture, sculpture and painting. It will consider a variety of themes relevant to Baroque artistic production, including religious influences on the art of the period, namely the Reformation and the Catholic Counter Reformation; economic influences; central versus peripheral locations; issues of gender and sexuality; patronage; architectural site and meaning; urban planning and transformation; the artist, his workshop and rivalries; decoding the myths of artistic genius; and seventeenth-century primary sources.
MEDREN247S - Musical Shakespeare

Subject: MEDREN  
Catalog Number: 247S  
Title: Musical Shakespeare  

Description: William Shakespeare exerts a powerful influence, not only on literature and drama, but on the other arts as well. Composers from the Renaissance to present day, have created music expressly for the performance of his plays and sonnets. Our seminar will explore this repertoire by examining masterworks of music in relation to their Shakespearean antecedents.

MEDREN248S - Women and Power in the Renaissance

Subject: MEDREN  
Catalog Number: 248S  
Title: Women and Power in the Renaissance  

Description: Explores the intellectual, social, and political history of women in Renaissance Europe. Despite the overwhelmingly patriarchal nature of early modern society, many women wrote treatises, dialogues, and poetry in which they argued for a broader role for women. Students will examine these primary texts (some by famous figures, others by much less well-known writers) within the context of a burgeoning social history that has provided a more nuanced view of gender relations and power in this period.

MEDREN250FS - Gendering the Renaissance

Subject: MEDREN  
Catalog Number: 250FS  
Title: Gendering the Renaissance  

Description: Course studies the debates around women, gender, and sexuality in Renaissance Italy and Europe (ca.1400–1700). Framed historically as 'the woman question' (la querelle des femmes), these debates challenged women’s nature, capabilities, and intellect, sparking robust response by women poets and philosophers, as well as by male defenders of the female sex. An interdisciplinary approach studying how gendered expectations for Renaissance women and men emerged across lyric poetry, conduct manuals, medical treatises, political pamphlets, paintings, theater, and early opera. We will contextualize early examples of premodern feminism, anti-feminism, misogyny, and prejudice compared to models today.

MEDREN253S - Cross-Cultural Encounters

Subject: MEDREN  
Catalog Number: 253S  
Title: Cross-Cultural Encounters  

Description: The dynamics of cross-cultural interaction have actively shaped the world for many centuries now. This class explores some of the religious, social, and economic forces that fostered increasingly global contacts in history. In particular, it examines how centrally located and cosmopolitan Muslims played a critical role in connecting people of far-flung regions, cultures, and religions with one another. It surveys the myriad encounters of Muslims, Buddhists, Confucianists, Hindus, Jews, Christians and more across Afro-Eurasia and into the Americas. How did religious networks, processes and events foster historic exchanges of ideas, practices, and commodities across the world?

MEDREN254 - The Expansion of Medieval Europe

Subject: MEDREN  
Catalog Number: 254  
Title: The Expansion of Medieval Europe  

Description: Lecture course follows the transformation of medieval politics, society and culture from the First Crusade to the Reformation. The evolution of secular monarchies and the flourishing of vernacular literature and devotion. The growth of commerce and an urban middle class. New forms of feminine religiosity and fascination with Christ’s humanity. Intensified alienation and persecution of marginal groups such as the Jews. Field trip to the local museum.

MEDREN255 - The Caribbean, 1492-1700

Subject: MEDREN  
Catalog Number: 255  
Title: The Caribbean, 1492-1700  

Description: The Caribbean region from the arrival of Columbus (1492) to the emergence of sugar and slavery as powerful shapers of society and culture, by 1700.
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<thead>
<tr>
<th>Course Code</th>
<th>Catalog Number</th>
<th>Title</th>
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<tbody>
<tr>
<td>MEDREN268</td>
<td>268</td>
<td>Islamic Civilization I</td>
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<tr>
<td>MEDREN269</td>
<td>269</td>
<td>Islamic Civilization II</td>
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<td>MEDREN270</td>
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<td>MEDREN275</td>
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<tr>
<td>MEDREN281</td>
<td>281</td>
<td>Religion, Reform, and Violence in Early Modern Europe</td>
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<tr>
<td>MEDREN287</td>
<td>287</td>
<td>Magic, Religion, and Science since 1400</td>
</tr>
</tbody>
</table>

### MEDREN268 - Islamic Civilization I
**Subject**: MEDREN  
**Catalog Number**: 268  
**Title**: Islamic Civilization I

**Description**
A global history of Islamic thought, practice, spirituality, politics, and culture. This course analyzes the emergence of Islam and the spread of Muslim culture and learning across Africa, Asia, and Europe. It introduces how Muslims fostered a globalized economy and international community of scientists, scholars, agriculturalists, musicians, artisans, and philosophers of diverse backgrounds – along with other key themes that students may pursue in greater detail in future coursework. Gateway course for an interdisciplinary certificate in Islamic studies.

### MEDREN269 - Islamic Civilization II
**Subject**: MEDREN  
**Catalog Number**: 269  
**Title**: Islamic Civilization II

**Description**
Continuation of Religion 375.

### MEDREN270 - Aztecs and Mayans
**Subject**: MEDREN  
**Catalog Number**: 270  
**Title**: Aztecs and Mayans

**Description**
Within modern imaginaries, Aztecs and Mayans become seen as those who engaged in brutal sacrifice and cannibalism atop their great temples. In order to question this pornographic assumption, this course examines the sources--art available at the Nasher Museum and many visual sources and written texts from the times of the Classic Maya civilization through today. We will collectively think about the ways in which these peoples have lived their lives and responded to the challenges of colonialism and globalization. Students should expect a hands on course as they will examine everything from ancient pottery to weapons, paintings, photographs, films, and written documents.

### MEDREN275 - Tudor/Stuart Britain
**Subject**: MEDREN  
**Catalog Number**: 275  
**Title**: Tudor/Stuart Britain

**Description**
Introduction to the history and culture of sixteenth and seventeenth century England; the Reformation, Colonization, and the Civil war. Changes in legal cultural ideas of identity and authority.

### MEDREN281 - Religion, Reform, and Violence in Early Modern Europe
**Subject**: MEDREN  
**Catalog Number**: 281  
**Title**: Religion, Reform, and Violence in Early Modern Europe

**Description**
The interplay of social, economic, and political developments in Central Europe from the eve of the Reformation to the end of the Thirty Years' War, with particular attention to the links between religion, gender, and the social order.

### MEDREN287 - Magic, Religion, and Science since 1400
**Subject**: MEDREN  
**Catalog Number**: 287  
**Title**: Magic, Religion, and Science since 1400

**Description**
The history of magic and witchcraft in western culture from the Renaissance to the present, with particular attention to the relationship of supernatural beliefs to religion and science. The renewal of magic, astrology, and alchemy in the Renaissance; early modern witch beliefs and the witch hunt; national skepticism in the Enlightenment; modern marginal sciences such as parapsychology; and adaptations of magical beliefs to modern culture in the nineteenth and twentieth centuries.
MEDREN287D - Magic, Religion, and Science since 1400

Subject  MEDREN  
Catalog Number  287D  
Title  Magic, Religion, and Science since 1400  

Description  The history of magic and witchcraft in western culture from the Renaissance to the present, with particular attention to the relationship of supernatural beliefs to religion and science. The renewal of magic, astrology, and alchemy in the Renaissance; early modern witch beliefs and the witch hunt; national skepticism in the Enlightenment; modern marginal sciences such as parapsychology; and adaptations of magical beliefs to modern culture in the nineteenth and twentieth centuries.

MEDREN290-1 - Topics in Medieval Art and Architecture

Subject  MEDREN  
Catalog Number  290-1  
Title  Topics in Medieval Art and Architecture  

Description  Specific problems dealing with contextual and cultural issues in medieval art and architecture from c. 300 to 1400.

MEDREN290AS-1 - Topics in Renaissance British Literature

Subject  MEDREN  
Catalog Number  290AS-1  
Title  Topics in Renaissance British Literature  

Description  (Taught in the Oxford Summer Program). Satisfies Area I for English majors.

MEDREN290S-1 - Special Topics in Medieval and Early Modern Literature

Subject  MEDREN  
Catalog Number  290S-1  
Title  Special Topics in Medieval and Early Modern Literature  

Description  A major author, topic, or theme of the medieval and early modern period (excluding Chaucer). Satisfies the Area I requirement for English majors. Topics vary each semester.

MEDREN291 - Independent Study

Subject  MEDREN  
Catalog Number  291  
Title  Independent Study  

Description  Individual non-research directed study in a field of special interest on a previously approved topic, under the supervision of a faculty member, resulting in an academic product.

MEDREN292S - The Atlantic Slave Trade

Subject  MEDREN  
Catalog Number  292S  
Title  The Atlantic Slave Trade  

Description  The development of the slave trade from the fifteenth century to its abolition in the nineteenth century; organization and mechanics, impact on Europe, Africa, and the Americas.
### MEDREN293 - Research Independent Study

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<tr>
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<tr>
<td>MEDREN</td>
<td>293</td>
<td>Research Independent Study</td>
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</tbody>
</table>

**Description**

Individual research and reading in a field of special interest, under the supervision of a faculty member, resulting in a substantive paper or written report containing significant analysis and interpretation of a previously approved topic. Usually undertaken by a student working on an Honors project in consultation with the student’s project advisor. Consent of instructor required.

### MEDREN303 - Ancient and Medieval Epic

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<td>MEDREN</td>
<td>303</td>
<td>Ancient and Medieval Epic</td>
</tr>
</tbody>
</table>

**Description**

Reading the major epics of antiquity in translation (Gilgamesh, Homer’s Iliad and Odyssey, Virgil’s Aeneid) and the European Middle Ages (Beowulf, Song of Roland, Dante’s Inferno), emphasizing the changing definition and concept of the hero.

### MEDREN304 - The Problem of Love in Western Literature

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<tbody>
<tr>
<td>MEDREN</td>
<td>304</td>
<td>The Problem of Love in Western Literature</td>
</tr>
</tbody>
</table>

**Description**

Love causes problems. It can inspire passion or madness; foster alliances, destroy friendships, provoke war, broker peace. It impacts communities and raises fundamental questions about life. Exploring amorous discourse from two millennia – Plato’s erotic ascent, Virgil’s deceived Dido, Ovid’s rules of seduction, Boccaccio’s legitimation of female desire, Michelangelo’s homoerotic poetry, Leonardo’s sublimated impulses, Foscolo’s tragic obsession, comic uncertainties of Svevo’s modern lovers, and love from afar in Montale—we will see what changes, what persists, and ultimately come to understand what we mean when we talk about love today.

### MEDREN304S - The Problem of Love in Western Literature

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**Description**

Love causes problems. It can inspire passion or madness; foster alliances, destroy friendships, provoke war, broker peace. It impacts communities and raises fundamental questions about life. Exploring amorous discourse from two millennia – Plato’s erotic ascent, Virgil’s deceived Dido, Ovid’s rules of seduction, Boccaccio’s legitimation of female desire, Michelangelo’s homoerotic poetry, Leonardo’s sublimated impulses, Foscolo’s tragic obsession, comic uncertainties of Svevo’s modern lovers, and love from afar in Montale—we will see what changes, what persists, and ultimately come to understand what we mean when we talk about love today.

### MEDREN305 - The Viking Age

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<td>305</td>
<td>The Viking Age</td>
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</table>

**Description**

The history of Viking raiding, trading, exploration, and settlement, with attention to the socioeconomic structure, political organization, and naval technology of medieval Scandinavian societies. Focus on topics such as Norse mythology, ritual, and runes, Icelandic sagas, gender roles and social hierarchies in a warrior society, clan-based justice, and the collision between ‘heroic’ values and the new Christian ethic. Taught in English.

### MEDREN305S - The Viking Age

<table>
<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>MEDREN</td>
<td>305S</td>
<td>The Viking Age</td>
</tr>
</tbody>
</table>

**Description**

The history of Viking raiding, trading, exploration, and settlement, with attention to the socioeconomic structure, political organization, and naval technology of medieval Scandinavian societies. Focus on topics such as Norse mythology, ritual, and runes, Icelandic sagas, gender roles and social hierarchies in a warrior society, clan-based justice, and the collision between ‘heroic’ values and the new Christian ethic. Taught in English.
**MEDREN314 - Introduction to Spanish Literature I**

**Subject:** MEDREN  
**Catalog Number:** 314  
**Title:** Introduction to Spanish Literature I

**Description:** Major writers of the Spanish literary tradition and the historical contexts from which they emerged: Middle Ages through the seventeenth century. Poetry, fiction, theater and essay and historical readings and film. Includes attention to Judaic and Islamic civilizations and expression in medieval Spain. Prerequisite: Spanish 301, 331S, or AP Spanish Literature score of 5.

**MEDREN315 - The Legend of King Arthur in Literature and Film**

**Subject:** MEDREN  
**Catalog Number:** 315  
**Title:** The Legend of King Arthur in Literature and Film

**Description:** The legend of the 'Once and Future King,' Arthur of Camelot, has fascinated poets, artists, writers, and filmmakers. Students will read and view different versions of the Arthur legend, from the earliest surviving sixth-century witness to the legend to modern films. Focusing on the themes of leadership, gender, and love, students will explore how each work understands Arthur and his milieu and the implications of each vision for the political and cultural world in which it originates. Taught in English. No prerequisites.

**MEDREN320S - Chaucer I**

**Subject:** MEDREN  
**Catalog Number:** 3205  
**Title:** Chaucer I

**Description:** The first two-thirds of his career, especially Troilus and Criseyde. Satisfies Area I requirement for English majors.

**MEDREN321 - Chaucer II**

**Subject:** MEDREN  
**Catalog Number:** 321  
**Title:** Chaucer II

**Description:** The Canterbury Tales. Satisfies the Area I requirement for English majors.

**MEDREN323S - Muhammad: The Prophet of Islam**

**Subject:** MEDREN  
**Catalog Number:** 323S  
**Title:** Muhammad: The Prophet of Islam

**Description:** Course will cover the life, legacy, and devotion to the Prophet of Islam. No background needed. All course material in English. Course will include various sources depicting the life of Muhammad, the statements attributed to the Prophet, and also the vast legacy of devotion to the Prophet.

**MEDREN330 - Shakespeare**

**Subject:** MEDREN  
**Catalog Number:** 330  
**Title:** Shakespeare

**Description:** Introduction to the major works of Shakespeare. Exploration of the author's central themes and contexts, with particular focus on Shakespeare's exploration of love as a mode of ethical inquiry and moral philosophy. Satisfies Area I requirement for English majors.

**MEDREN331 - Shakespeare through 1600**

**Subject:** MEDREN  
**Catalog Number:** 331  
**Title:** Shakespeare through 1600

**Description:** Examination of twelve plays by Shakespeare written before 1600. Satisfies Area I requirement for English majors.

**MEDREN332 - Shakespeare After 1600**

**Subject:** MEDREN  
**Catalog Number:** 332  
**Title:** Shakespeare After 1600

**Description:** Examination of ten plays by Shakespeare written after 1600. Not open to students who have taken Theater Studies 239A. Satisfies Area I requirement for English majors.
<table>
<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>MEDREN</td>
<td>334S</td>
<td>Late Medieval Literature and Culture</td>
<td>Explores a range of medieval writings together with the culture in which they are made. Inquiries involve the close reading of medieval texts to learn about medieval Christianity, ethics, politics and theology in the culture. Considers questions concerning relations between the medieval world and our own.</td>
</tr>
<tr>
<td>MEDREN</td>
<td>335S</td>
<td>Don Quixote for Beginners</td>
<td>This course introduces students to the overlapping realities and worlds that the novel encompasses to explore, through don Quixote’s knightly ambitions of justice, love, and freedom, the similarities, and differences we see between ourselves and others, in a changing world where chivalry ideals, popular culture, history, and uprooted lives, and early capitalism dialogue to each other. Multiple characters raise questions about escapism, social justice, borders, and exile linking the present and the past.</td>
</tr>
<tr>
<td>MEDREN</td>
<td>336S</td>
<td>Shakespeare’s Nature</td>
<td>This class explores conflicting and competing ideas about nature in Shakespeare’s plays. We examine creatureliness, human and non-human, in relation to ideas of the natural and the supernatural.</td>
</tr>
<tr>
<td>MEDREN</td>
<td>337S</td>
<td>Milton</td>
<td>Poetry and its literary and social background. Satisfies Area I requirement for English majors.</td>
</tr>
<tr>
<td>MEDREN</td>
<td>338S</td>
<td>Boccaccio’s Decameron</td>
<td>The Decameron has surprised and shocked readers for centuries. This course asks why—and how. Investigating censored editions and translations, along with visual and cinematic adaptations, we will scrutinize Boccaccio’s innovative representations of sex, women, and the disenfranchised to understand the overlooked political dimension of Boccaccio’s attempt to re-imagine the world after a global pandemic.</td>
</tr>
<tr>
<td>MEDREN</td>
<td>341</td>
<td>Dante’s Divine Comedy: Hell, Purgatory and Paradise</td>
<td>A voyage through the three otherworldly places of Dante’s philosophical poem (Hell, Purgatory, Paradise) whose transformation of human actions into an ordered ethical system continues to captivate readers.</td>
</tr>
</tbody>
</table>
MEDREN342A - Dante and the Art of Hell

Subject: MEDREN  
Catalog Number: 342A  
Title: Dante and the Art of Hell

Description
Dante’s Divine Comedy, has inspired medieval illuminations, Renaissance frescoes, Surrealist paintings, and modern sculptures. This course explores this remarkable visual history to interpret Dante’s poem. What new features of Dante’s world do these visual adaptations bring into focus? Visiting sites throughout Italy, we will also aim to reconstruct Dante’s visual and built environment to understand what is distinctive about his vision. Taught in English. Offered through Duke in Venice and Duke in Bologna programs.

MEDREN343S - The Acoustic Image in the Renaissance

Subject: MEDREN  
Catalog Number: 343S  
Title: The Acoustic Image in the Renaissance

Description
Examines the dynamics between Renaissance voice, sound, and the body. Navigates the intersections between literary and performance histories. Studies the crossroads of personal and collective identity, issues of gender relations, factors of agency and exclusion, and the instruments of power that govern vocal expression. Readings and listenings include works by Homer, Ovid, Sappho, Petrarch, Costa, Monteverdi, Behn, Lope de Vega, Corneille, and others. Thematic units featured: voice in theory, the autobiographical pen, the political chorus, and performing the resilient body. Questions discussed: Who is allowed a voice? What do voices measure? What voices get heard? And who listens?

MEDREN344S - Shakespeare Studio

Subject: MEDREN  
Catalog Number: 344S  
Title: Shakespeare Studio

Description
Study in approaches to acting Shakespeare text which focus on the actor’s embodiment of text in ways which are organic, physical, and truthful. Use of text as the primary source for the actor’s work. Students will have opportunity to act in class exercises and projects. Extensive scenework. Prerequisite: Theater Studies 145S and consent of instructor.

MEDREN346 - The History of the Book

Subject: MEDREN  
Catalog Number: 346  
Title: The History of the Book

Description
The history of the ‘book’ as physical object from its earliest forms (clay tablets, papyrus scrolls) through to texts in the digital age. Introduction to manuscript and early print culture in the West – scribes, scripts and book production. The role of the book in different cultures, and in intellectual history. Hands-on experience with, and study of materials in the Rubenstein Rare Book and Manuscript Library.

MEDREN348S - Medieval Latin

Subject: MEDREN  
Catalog Number: 348S  
Title: Medieval Latin

Description
Survey of medieval Latin literature, sampling authors and genres from Late Antiquity through the Italian Renaissance. Genres may include biblical literature, late ancient and medieval hymns, letters, medieval plays, sacred and secular poetry including epic, historiography, and Arthurian literature.

MEDREN351 - Rumi: Mysticism and Poetry

Subject: MEDREN  
Catalog Number: 351  
Title: Rumi: Mysticism and Poetry

Description
Rumi, the iconic poet of Persian Islamic tradition; course examines his writings, context, and legacy. Involves students’ research. Encourages students to cultivate critical skills by assessing relevant scholarship and developing multidisciplinary methodologies. All readings in English; no previous coursework or command of Persian/Arabic required.
### MEDREN352S - Andalusia: Muslim, Jewish, Christian Spain

<table>
<thead>
<tr>
<th>Subject</th>
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<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>MEDREN</td>
<td>352S</td>
<td>Andalusia: Muslim, Jewish, Christian Spain</td>
</tr>
</tbody>
</table>

**Description**
Intersection of cultures, religions, languages, & peoples through history, poetry, music, architecture, & philosophy in Spain. Cultural flourishing from the contact—and sometimes clash—of European, Spanish, Islamic, Arab, African, Middle Eastern, and Jewish civilizations and Arabic, Spanish, and Hebrew languages. Ends with Andalusian culture in modern music, poetry, art, dance, & architecture at the crossroads of civilizations. Includes travel to Spain over spring break so students witness firsthand the coexistence of different religious traditions and cultures. Instructor consent required.

### MEDREN353 - The Seven Deadly Sins: Representing Vice and Virtue in Christian Tradition

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<tbody>
<tr>
<td>MEDREN</td>
<td>353</td>
<td>The Seven Deadly Sins: Representing Vice and Virtue in Christian Tradition</td>
</tr>
</tbody>
</table>

**Description**
This course will trace the motif of the seven deadly sins in Western tradition, exploring two methods of understanding human psychology and behavior: the philosophical school of virtue ethics, which provides an account of how our actions and habits shape our characters and identities, and the artistic technique of allegory, which externalizes our inner life in vivid, sometimes shocking images, characters, and stories. Readings are drawn from philosophy (Aristotle, Aquinas), literature (Dante, Chaucer, Spenser), art (Giotto, Bosch), and present-day pop culture. Course assignments include both analytical essays and creative projects.

### MEDREN354 - From History to Fantasy: Medieval Religions in Film & Fiction

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<tbody>
<tr>
<td>MEDREN</td>
<td>354</td>
<td>From History to Fantasy: Medieval Religions in Film &amp; Fiction</td>
</tr>
</tbody>
</table>

**Description**
Explores the intersection of modern popular culture and medieval religious culture. Deep dive into how modern creators of mass entertainment use common notions of medieval faith, power, race, sexualities and violence to capture and hold our interest, teach us lessons about ourselves, and sell products. How do our ideas of faith, sexuality, race and power inspire or constrain the fiction we create about the past? What impact does this have on consumers? Monks, nuns, knights, crusades, secret societies, suffragists, alt-right, plague. Modern novels, commentaries, history, medieval texts, neurobiology, TV, films, ads, games, memes, clubs. Read, discuss, write, research.

### MEDREN355S - Augustine's City of God

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<tr>
<td>MEDREN</td>
<td>355S</td>
<td>Augustine's City of God</td>
</tr>
</tbody>
</table>

**Description**
Study of the literary form and argument of Augustine's epoch-making City of God: a rhetorical tour de force of consummate artistry and stunning originality and scope; and a political, religious, and moral critique of ancient Rome within a comparative, cross-cultural analytical framework that vindicates an alternative vision of society rooted in the Christian scriptures. City of God provides a remarkable example of sophisticated literary construction, rhetorical prowess, cross-cultural examination, and moral reflection. We focus on these four facets of a celebrated synthesis that breaks new ground in historiography, political science, and moral theory.
**MEDREN359S - Love, Spirit, and Mysticism: The Path of Love in Middle East and South Asia**

**Subject**
MEDREN

**Catalog Number**
359S

**Title**
Love, Spirit, and Mysticism: The Path of Love in Middle East and South Asia

**Description**
Examination of Love-based spirituality in multiple religious traditions. Focus on material originating from Persian, Urdu, Turkish, and Arabic sources. Readings will include literature and songs in English.

**MEDREN370S - Understanding the Qur'an**

**Subject**
MEDREN

**Catalog Number**
370S

**Title**
Understanding the Qur'an

**Description**
The Qur'an is the Islamic scripture. This course explores the history of revelation or words of God in Islam; formation of the Qur'an as a book; its interpretation from medieval to modern time; its major themes; how the Qur'an introduces itself: the book of light, guidance, virtues and Islamic values and standards, or the book of law? the question of translatability; teaching the Qur'an as religious literature from a neutral viewpoint that could be understood from a secular, or non-theological perspective; the lessons one might apply from literary criticism, biblical studies, and historical methodology; and its message for the human beings in the contemporary world.

**MEDREN374S - Islam & the Meaning of Life**

**Subject**
MEDREN

**Catalog Number**
374S

**Title**
Islam & the Meaning of Life

**Description**
The range of topics implicated by 'meaning of life' as essentials of Islamic philosophy and theology includes the features of the good life; true happiness; the quest for eternity and not to be forgotten; overcoming loneliness and alienation; peacefulness; seeking truth and reducing suffering; living in a purposeful universe; free will; the ultimate purpose of the human life; necessary cause for moral obligations; faith and reason; human dignity; the quest for absolute beauty and good; knowing the Beginning and the Return; the observation of transcendence and immanence; the origin of mercy, love, friendship, justice, fairness, and hope; the 'wholly other'; the exemplar of the human being.

**MEDREN390 - Topics in Medieval and Renaissance Studies**

**Subject**
MEDREN

**Catalog Number**
390

**Title**
Topics in Medieval and Renaissance Studies

**Description**
Topics may focus on fine arts, history, language and literature, or philosophy and religion, frequently engaging interdisciplinary perspectives.

**MEDREN390-1 - Topics in Renaissance Art**

**Subject**
MEDREN

**Catalog Number**
390-1

**Title**
Topics in Renaissance Art

**Description**
Specific problems dealing with the iconography, style, or an individual master from c.1300 to 1600. Subject varies from year to year.

**MEDREN390S - Seminar in Medieval and Renaissance Studies**

**Subject**
MEDREN

**Catalog Number**
390S

**Title**
Seminar in Medieval and Renaissance Studies

**Description**
Seminar version of Medieval and Renaissance Studies 390.
**MEDREN436 - North America to 1760**

**Subject**
MEDREN

**Catalog Number**
436

**Title**
North America to 1760

**Description**
Early oceanic explorations, European invasion of North America, the evolution of race slavery, and the responses of the native American peoples.

**MEDREN443S - Capstone Seminar: History of Torture**

**Subject**
MEDREN

**Catalog Number**
443S

**Title**
Capstone Seminar: History of Torture

**Description**
This class offers a history of torture in the western world, from the Renaissance to the present. Students explore the topic primarily within the framework of legal history, from the institution of legal judicial torture in the late Middle Ages, through its formal abolition in the eighteenth and nineteenth centuries, down to its reemergence as an instrument of combat in wars in the twentieth and twenty-first centuries.

**MEDREN458 - Suspicious Truths and Alternative Realities: Spanish Literature of the Renaissance and the Baroque**

**Subject**
MEDREN

**Catalog Number**
458

**Title**
Suspicious Truths and Alternative Realities: Spanish Literature of the Renaissance and the Baroque

**Description**
Concerns about discerning certainty and facts from misinformation and delusion explored in all sorts of intellectual pursuits from literature and the visual arts to science, politics, and economics across Spain and the Americas during the 16th and 17th centuries. A guided tour of key works and major questions in conversation with contemporary observations about deception and disinformation. Prerequisite: Spanish 332, 333, 334 or 335.

**MEDREN459 - Golden Age Literature: Cervantes**

**Subject**
MEDREN

**Catalog Number**
459

**Title**
Golden Age Literature: Cervantes

**Description**
Includes reading either selected works by Cervantes (dramas, novellas, and part of Don Quixote) or the Quixote in its entirety. Attention to the Roman and/or Arab conquests of Spain, Spanish relations with Algeria, England, Italy, and the Americas, the obsession with 'limpieza de sangre' and the fate of Spain's 'morisco' population. Prerequisite: Spanish 332, 333, 334 or 335.

**MEDREN473 - What Machiavelli Really Says**

**Subject**
MEDREN

**Catalog Number**
473

**Title**
What Machiavelli Really Says

**Description**
Everyone knows what 'Machiavellian' means, but what does Machiavelli really say? Reading his classical political texts, 'The Prince,' the 'Discourses on Livy,' and 'The Art of War' in the company of his literary works, including 'Mandragola,' we will examine how Machiavelli's ideas about power, deception, language, ethics, and representation emerged from his reading of Plato, Livy, Ovid, and Dante, while also exploring the reception and consequences of his ideas. Just as Machiavelli searched history for answers to his own political situation, our guiding question cannot help but be 'What would Machiavelli do?'

**MEDREN491 - Independent Study: Thesis**

**Subject**
MEDREN

**Catalog Number**
491

**Title**
Independent Study: Thesis

**Description**
Individual non-research directed study in a field of special interest on a previously approved topic, under the supervision of a faculty member, resulting in an academic and/or artistic product that will contribute to developing an honors thesis.
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<thead>
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</tr>
</thead>
<tbody>
<tr>
<td>MEDREN</td>
<td>493</td>
<td>Research Independent Study: Thesis</td>
<td>Individual research and reading in a field of special interest, under the supervision of a faculty member, resulting in a substantive paper or written report containing significant analysis and interpretation of a previously approved topic. Undertaken by a student working on an Honors project in consultation with the student's project advisor.</td>
</tr>
<tr>
<td>MGM</td>
<td>120FS</td>
<td>Ethical Implications of Genetic and Genomic Research</td>
<td>This course will examine the ethical implications raised by genetic and genomic research. Students will gain an understanding of the historical basis of human subjects’ protections in the United States, the ethical pillars of research, and the issues that arise from genetics and genomics research. Case studies in genomics research will be used to illustrate various ethical implications. Readings will consist of reviews of the history of human subjects’ protections, federal regulations, actual informed consent documents, and scientific papers from the primary literature. Open only to students in the Focus Program. Instructor consent required.</td>
</tr>
<tr>
<td>MGM</td>
<td>222FS</td>
<td>Genetics and Epigenetics: The Codes that Control Our Genomes</td>
<td>Many inherited cellular and physiological traits in humans are not due to changes in DNA sequence, but instead are shaped by factors such as age, diet, or environment. This course will examine sequence-independent regulation of the human genome, non-genetic diseases, environmental factors that control the epigenome, and multi-generational inheritance of epigenetic information (how grandparental experiences shape descendants’ genomes). Course readings will be drawn from the primary literature (historical and current) and will be anchored on human genetics, although model systems (yeast, Drosophila, plants) will also be discussed. Only open to students in the Focus Program. Department consent required. Prerequisite: AP Biology or equivalent.</td>
</tr>
<tr>
<td>MGM</td>
<td>293</td>
<td>Research Independent Study I</td>
<td>Independent Research in a field of special interest under the supervision of a faculty member. Open to sophomores with consent of supervising instructor required.</td>
</tr>
<tr>
<td>MGM</td>
<td>294</td>
<td>Research Independent Study II</td>
<td>Continuation of Molecular Genetics and Microbiology 293. Independent research in a field of interest under the supervision of a faculty member. Open to sophomores with consent of supervising instructor required.</td>
</tr>
</tbody>
</table>
Duke University

**MGM325 - Current Technologies in Genomics and Precision Medicine**

**Subject**  
MGM

**Catalog Number**  
325

**Title**  
Current Technologies in Genomics and Precision Medicine

**Description**  
Comprehensive overview of genome science technologies, analytical tools, clinical applications, and related issues. Exposure to a range of technologies currently used in research and some in clinical practice, as well as the tools to interrogate the large data-sets generated by these technologies. Projects will explore the range of datasets publicly available and analysis of genomic datasets. Prerequisite: Biology 201L or 203L.

**MGM370 - Pharmacogenomics and Personalized Medicine**

**Subject**  
MGM

**Catalog Number**  
370

**Title**  
Pharmacogenomics and Personalized Medicine

**Description**  
Course discusses personalized drug development for several diseases and examines how genetic variations in enzymes, receptors, and transporters involved in pharmacokinetics and pharmacodynamics affect drug response. Students are introduced to modern molecular techniques (DNA & RNA sequencing, gene expression-DNA microarrays, proteomics, and metabolomics) used in the development of personalized medicine. Class participation includes presentation and discussion of current journal articles highlighting advances in pharmacogenomics and personalized medicine. Open to juniors and seniors. Highly recommended: Biology 201L or 201LA.

**MILITSCI101S - Introduction to the Army**

**Subject**  
MILITSCI

**Catalog Number**  
101S

**Title**  
Introduction to the Army

**Description**  
Introduces students to the personal challenges/competencies critical for effective leadership and communication. Students learn fundamentals of Army organization, basic Soldier skills, as well as critical thinking fundamentals and how they apply to the Army context. The course teaches how development of personal skills (cultural understanding, goal setting, time management, stress management, and fitness) relate to leadership, and the Profession of Arms. Army leadership dimensions, attributes, and core leader competencies also discussed.

**MILITSCI102S - Foundations of Leadership**

**Subject**  
MILITSCI

**Catalog Number**  
102S

**Title**  
Foundations of Leadership

**Description**  
Examines behavioral science theories (individual, group, and organizational) in a small group learning environment to build healthy classroom discourse. It explores the professional challenges and competencies that are needed for effective examination of history, psychology, leadership/management theories, decision sciences, and military doctrine. Through this course, you will examine military ethics, ethical decision making, Geneva Convention rules, and NATO rules of engagement.
<table>
<thead>
<tr>
<th>Subject</th>
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</tr>
</thead>
<tbody>
<tr>
<td>MILITSCI201</td>
<td>201</td>
<td>Leadership and Ethics</td>
</tr>
<tr>
<td>MILITSCI202S</td>
<td>202S</td>
<td>Army Doctrine and Decision-Making</td>
</tr>
<tr>
<td>MILITSCI291</td>
<td>291</td>
<td>Independent Study</td>
</tr>
<tr>
<td>MILITSCI291-1</td>
<td>291-1</td>
<td>Independent Study - Half Credit</td>
</tr>
<tr>
<td>MILITSCI301</td>
<td>301</td>
<td>Training Management and the Warfighting Functions</td>
</tr>
<tr>
<td>MILITSCI302S</td>
<td>302S</td>
<td>Applied Leadership in Small Unit Operations</td>
</tr>
</tbody>
</table>

**MILITSCI201 - Leadership and Ethics**

**Description**
Explore the theory and practical application of group dynamics, team building, and innovative leadership in both civilian and military contexts. Students will participate in the practical application of personal motivation and team-building through planning, executing and assessing team exercises. Builds on concepts taught in Military Science 101 and 102. Leadership Laboratory (91L) and physical training are required for all Enrolled Cadets. Prerequisite: Completion of MILITSCI 101 and 102, unless waived by the DUS - contact the Army ROTC Department for more information. Graduate students contact Army ROTC Department for enrollment eligibility.

**MILITSCI202S - Army Doctrine and Decision-Making**

**Description**
Examines behavioral science theories (individual, group, and organization) in a small group learning environment in order to build healthy classroom discourse. Students will be exposed to the professional challenges and competencies that are needed for effective execution of the profession of arms through the examination of history, psychology, leadership/management theories, decision sciences, and military doctrine. Through this course, students will examine military ethics, ethical decision-making, Geneva Convention rules, and NATO rules of engagement.

**MILITSCI291 - Independent Study**

**Description**
Individual study under direct faculty supervision. Written consent of instructor and Director of Undergraduate Studies is required.

**MILITSCI291-1 - Independent Study - Half Credit**

**Description**
Individual study under direct faculty supervision. Written consent of instructor and Director of Undergraduate Studies is required.

**MILITSCI301 - Training Management and the Warfighting Functions**

**Description**
The study, practice, and evaluation of adaptive leadership skills in the context of squad tactical operations. Focus on developing cadets’ tactical leadership abilities in preparation for ROTC’s summer Advanced Camp leadership course. Laboratory required for Army ROTC cadets. Instructor consent required. Recommended prerequisite: completion of first two years of ROTC or prior military experience.

**MILITSCI302S - Applied Leadership in Small Unit Operations**

**Description**
Examines behavioral science theories (individual, group, and organizational) in a small group learning environment to build healthy classroom discourse. The student will be exposed to the professional challenges and competencies that are needed for effective execution of the profession of arms through the examination of history, psychology, leadership/management theories, decision sciences, and military doctrine. Through this course, the student will examine military ethics, ethical decision making, Geneva Convention rules, and NATO rules of engagement. Instructor consent required.
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<tr>
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<tbody>
<tr>
<td>MILITSCI401S</td>
<td>401S</td>
<td>The Army Officer</td>
</tr>
<tr>
<td>MILITSCI402S</td>
<td>402S</td>
<td>Company Grade Leadership</td>
</tr>
<tr>
<td>MILITSCI91L</td>
<td>91L</td>
<td>Leadership Laboratory - Fall Semester Only</td>
</tr>
<tr>
<td>MILITSCI92L</td>
<td>92L</td>
<td>Leadership Laboratory - Spring Semester Only</td>
</tr>
<tr>
<td>MILITSCI93L</td>
<td>93L</td>
<td>Senior Leadership Laboratory - Fall Semester</td>
</tr>
<tr>
<td>MILITSCI94</td>
<td>94</td>
<td>Basic Army Physical Development</td>
</tr>
</tbody>
</table>

**MILITSCI401S - The Army Officer**

Description
Explores dynamics of leading in complex situations of current military operations. Examines differences in customs/courtesies, military law, principles of war, and rules of engagement. Examines aspects of interacting with non-government organizations, civilians on the battlefield, decision making processes, and host nation support. Emphasis placed on preparing students for Basic Officer Leadership Course and first unit of assignment. Uses mission command case studies/scenarios to prepare students to face complex ethical demands of serving an officer in the Army. Instructor consent required. Prerequisite: Military Science 301 and 302.

**MILITSCI402S - Company Grade Leadership**

Description
Examines behavioral science theories (individual, group, and organization) in a small group learning environment in order to build healthy classroom discourse. It explores professional challenges and competencies that are needed for effective execution of the profession of arms through the examination of history, psychology, leadership/management theories, decision sciences, and military doctrine. Through this course, students will examine military ethics, ethical decision-making, Geneva Convention rules, and NATO rules of engagement.

**MILITSCI91L - Leadership Laboratory - Fall Semester Only**

Description
Introduces students to basic Army operations, including team-building, map reading, first aid, confidence training, rifle marksmanship, drill and ceremonies, Army doctrine and small unit tactics. Must be repeated each fall semester while enrolled in MILITSCI courses. Leadership Laboratory is required for students who are designated as ‘enrolled ROTC Cadets’ in MS 101, 201, 301, 501, and 601. Students who register for the MS 101 course as a one-time elective ‘participating student’ are not eligible to attend lab. Instructor consent required.

**MILITSCI92L - Leadership Laboratory - Spring Semester Only**

Description
Introduces students to basic Army operations, including team building, map reading, first aid, confidence training, rifle marksmanship, drill and ceremonies, Army doctrine and small unit tactics. Must be repeated each spring semester while enrolled in MILITSCI courses. Leadership Laboratory required for students who are designated as ‘enrolled ROTC Cadets’ in MILITSCI102, 202, 302, 502, and 602. Students who register for the MILITSCI102 course as a one-time elective ‘participating student’ are not eligible to attend lab.

**MILITSCI93L - Senior Leadership Laboratory - Fall Semester**

Description
(Seniors only) Introduces students to Army operations and case studies associated with the areas. The course includes team building, map reading, first aid, confidence training, rifle marksmanship, drill and ceremonies, Army doctrine and small unit tactics. Introduces seniors to Army staff positions and responsibilities and provides leadership opportunities to plan, execute, and assess a variety of training events for the underclass Cadets throughout the semester. Required for all students enrolled in MILITSCI 401 and 701. Instructor consent required.

**MILITSCI94 - Basic Army Physical Development**

Description
Introduction to Senior Reserve Officer’s Training Corp with studies in basic military fitness. Emphasis on implementation of the Army's physical readiness program through practical exercises. Familiarizes students with the Army’s height and weight standards. Requires participation in three testing sessions to track individual improvement, and participation as leaders in the conduct of physical training sessions. Class held on the NCCU Campus or in the vicinity of the Duke track, soccer field, ROTC building, and/or the pool.
<table>
<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>MILITSCI</td>
<td>94L</td>
<td>Senior Leadership Laboratory - Spring Semester</td>
<td>(Seniors only) Introduces students to Army operations and case studies associated with these areas. Includes team building, map reading, first aid, confidence training, rifle marksmanship, drill and ceremonies, Army doctrine and small unit tactics. Introduces seniors to Army staff positions and responsibilities and provides leadership opportunities to plan, execute, and assess a variety of training events for the underclass Cadets throughout the semester. Required for all students enrolled in MILITSCI 402 and 702. Instructor consent required.</td>
</tr>
<tr>
<td>MMS</td>
<td>190FS</td>
<td>Special Topics in Markets and Managements</td>
<td>Topics vary by semester. Open to students in the Focus Program only</td>
</tr>
<tr>
<td>MMS</td>
<td>195FS</td>
<td>Freedom and the Market</td>
<td>Introduces students to three ethically distinct perspectives on the market using approaches in political philosophy from the right, left and center; explores the works of political theorists and economists such as Robert Nozick, Milton Friedman, John Maynard Keynes, Frederick Hayes and Amartya Sen; examines the ethical stances that these authors take; explores contemporary media to see how the former thinkers have influenced current debate; examines examples of when the free market fails and discuss if, when and how government should respond; investigates how culture influences the market and how globalization has either enhanced or reduced individual freedom. Open only to Focus Program students.</td>
</tr>
<tr>
<td>MMS</td>
<td>197</td>
<td>Organizational Leadership &amp; Management</td>
<td>Study of individual and group behaviors within organized settings and managerial strategies that enhance organizational effectiveness. Topics include leadership, culture and diversity, power and politics, communication, decision making, motivation and reward systems, conflict management, justice and ethics as well as organization structure and design. Special attention to critical assessment of new technological options in organizational settings with an aim to produce informed, ethical consumers and leaders.</td>
</tr>
<tr>
<td>MMS</td>
<td>210</td>
<td>Managerial Effectiveness</td>
<td>Introduction to study of individual and group behavior within organized settings. Emphasis given to managerial strategies that enhance organizational effectiveness. Topics include leadership, motivation and reward systems; decision making, power and politics; conflict management, globalization, justice and ethics; and organization culture, structure and design. Special attention to critical assessment of new technological options in organizational settings with an aim to produce informed, ethical consumers and managers.</td>
</tr>
<tr>
<td>MMS</td>
<td>220</td>
<td>Marketing Management</td>
<td>Introduction to current basic principles and concepts in marketing. Focus on Internet’s impact on traditional marketing methods. Exposure to marketing concepts in settings such as: consumer goods firms, manufacturing and service industries, small and large businesses. Development and trends in strategic implications of the Internet for consumer behavior, business opportunities, and marketing strategies.</td>
</tr>
</tbody>
</table>
MMS230 - Game Changers: From Panda Diplomacy to Zipcar

Subject: MMS  
Catalog Number: 230  
Title: Game Changers: From Panda Diplomacy to Zipcar

Description:
The course discovers and draws inspiration from different types of game changers in a variety of fields and disciplines—from politics and policy to business/marketing/finance, environment and social movement. Investigations are pursued on how out-of-box thinking has brought creativity to problem solving and changed the ways people live, connect, and contribute around the world. The relevant factors that have helped successfully implement the core ideas as well as the blunders that pioneers have encountered are examined.

MMS272 - Marketing Across Borders, Cultures and Demographics

Subject: MMS  
Catalog Number: 272  
Title: Marketing Across Borders, Cultures and Demographics

Description:
Investigates and discusses theories and techniques used to market to the world’s different shoppers and consumers in developing and industrialized economies and countries; gives an understanding of how to target market to shoppers and consumers by varied insights of each target group; Focuses on 'Consumer is Boss' and the understanding of how to influence at 'First Moment of Truth' and at the 'Second Moment of Truth'; will include a team project developing collaboration skills and gaining insight into a specific target group and product; local field trips to engage consumers in homes and where they shop; guest lecturers from Fortune 500 corporations.

MMS273T-1 - Voices in Marketing: Advertising in Spanish

Subject: MMS  
Catalog Number: 273T-1  
Title: Voices in Marketing: Advertising in Spanish

Description:
Discussion-based course trains students to analyze all forms of advertising in Spanish. Classes explore the history and theories of advertising in the Hispanophone world, as well as hands-on strategies for analyzing ads, with particular attention to issues such as translation, localization, and ethics. Tutorials meet weekly for 75 minutes. Does not count toward Markets & Management Studies certificate program. Recommended prerequisite: Spanish 204 or equivalent.

MMS273T-2 - Voices in Marketing: Advertising in French

Subject: MMS  
Catalog Number: 273T-2  
Title: Voices in Marketing: Advertising in French

Description:
Discussion-based course trains students to analyze all forms of advertising in French. Classes explore the history and theories of advertising in the francophone world, as well as hands-on strategies for analyzing ads, with particular attention to issues such as translation, localization, and ethics. Tutorials meet weekly for 75 minutes. S/U. Does not count towards MMS certificate program. Prerequisite: French 204 or equivalent.
| MMS273T-3 - Voices in Marketing: Advertising in Chinese |
|---|---|---|
| Subject | Catalog Number | Title |
| MMS | 273T-3 | Voices in Marketing: Advertising in Chinese |
| Description |
| Discussion-based course trains students to analyze all forms of advertising in Chinese. Classes explore the history and theories of advertising in China, as well as hands-on strategies for analyzing ads, with particular attention to issues such as translation, localization, and ethics. Tutorials meet weekly for 75 minutes. Does not count for the Markets & Management Studies certificate program. Prerequisite: Chinese 204 or equivalent. |

| MMS275 - Business of Sport: A Comprehensive Look at a Powerhouse Global Industry |
|---|---|---|
| Subject | Catalog Number | Title |
| MMS | 275 | Business of Sport: A Comprehensive Look at a Powerhouse Global Industry |
| Description |
| Provides a broad overview of "Sports", finance/valuation, professional/college, sponsorship/marketing, teams/leagues, labor/ownership; examines industry from finance perspective in determining valuations; examines role of sports and transformation into entertainment; how web based applications have changed the dynamic of the sports industry; discussion of topics regarding lockouts, free agency, paying college athletes, NCAA tournament, college athletic budgets, Super Bowl, athlete salaries, public/corporate funding. |

| MMS325A - International Business |
|---|---|---|
| Subject | Catalog Number | Title |
| MMS | 325A | International Business |
| Description |
| This is a summer study abroad offering. No pre-reqs are required. The course is organized to cover the following topics and to give students an overview of issues important to firms operating in a global context: international trade, business cultures in an international/global context, modes of operation, global business strategy, marketing strategies, ethics and sustainability in a global environment. |

| MMS365 - Strategic Financial Management |
|---|---|---|
| Subject | Catalog Number | Title |
| MMS | 365 | Strategic Financial Management |
| Description |
| Strategic financial issues confronting the firm. Basic problems of strategic direction for the firm with respect to external competitive environment and management of internal strategy processes. Tools and ideas to manage formulation and implementation of strategic choices for the firm. Study of firm's strategic position relative to rivals, the larger industry, and the customer. Prerequisite: Markets and Management Studies 85 and Economics 271 or Economics 373 or consent of instructor. |

| MMS370 - Managerial Finance |
|---|---|---|
| Subject | Catalog Number | Title |
| MMS | 370 | Managerial Finance |
| Description |
| Concepts and processes of corporate finance; functions, technology and techniques of financial management. Topics include analysis of financial statements, ratio analysis and the statement of cash flows; capital budgeting; risk and return; stocks and bonds; cost of capital; financial institutions; securities markets and international finance. Not open to first year students. |

| MMS380 - Entrepreneurial Marketing |
|---|---|---|
| Subject | Catalog Number | Title |
| MMS | 380 | Entrepreneurial Marketing |
| Description |
| Teaches students how to discover and understand customer wants and needs, understand the impacts of the market environment on customer behavior and product acceptance, define products that will meet customer needs, choose the right distribution channels, price and promote the product or service effectively, understand the unique ways in which the marketing process must be tailored to an entrepreneurial environment. |
MMS390 - Special Topics in Markets and Management Studies

Subject: MMS
Catalog Number: 390
Title: Special Topics in Markets and Management Studies

Description: Topics vary each semester.

MMS390A - Duke-Administered Study Abroad: Advanced Special Topics in Markets and Management Studies

Subject: MMS
Catalog Number: 390A
Title: Duke-Administered Study Abroad: Advanced Special Topics in Markets and Management Studies

Description: Topics differ by section.

MMS390S - Special Topics in Markets and Management Studies

Subject: MMS
Catalog Number: 390S
Title: Special Topics in Markets and Management Studies

Description: Topics vary each semester.

MMS395 - New Ventures Development

Subject: MMS
Catalog Number: 395
Title: New Ventures Development

Description: Do you want to design a business model around either your own idea or someone else’s problem? In New Ventures: Development you’ll learn to assess opportunities, develop and test business models, understand your financials, and build successful teams. If you’ve validated an idea through New Ventures: Discovery or through your independent customer discovery process, New Venture: Development can facilitate idea to action. In this course, student teams will develop core elements of a strategy for a technology or business idea; detail will be suitable for a business plan document for a company seeking initial investment; strategy will serve as a foundation for a first operating plan for company.
MMS396 - New Ventures Delivery

Subject: MMS  
Catalog Number: 396  
Title: New Ventures Delivery  

Description
Did your idea pass muster in New Ventures Development? Do you have early revenue or evidence of product market fit and want to continue to refine your go to market strategy? New Ventures Delivery is the ideal course for serious entrepreneurs ready to push themselves to take the leap. In this course you will continue to test core hypothesis while you develop a milestone driven plan for go-to-market, sales, staffing, and fundraising.

MMS425 - Intellectual Property and Innovation: Law, Policy & Entrepreneurship

Subject: MMS  
Catalog Number: 425  
Title: Intellectual Property and Innovation: Law, Policy & Entrepreneurship  

Description
Course examines the tightly linked roles of intellectual property law and innovation in the 21st century global economy; offers an overview of the use of intellectual property in business, law and public policy, as well as in-depth coverage of current controversies impacting the future of the global information economy: gene patents; online piracy; music sampling; open source business models; access to medicines; and the impact of the 3D printing revolution. Besides overviews of trends in intellectual property law, research and development strategies, university technology transfer, and government and private sector investment, examine case studies of specific innovators, companies, places.

MMS450 - Markets and Management Capstone

Subject: MMS  
Catalog Number: 450  
Title: Markets and Management Capstone  

Description
Capstone course open only to students in the Markets and Management Studies Program. Includes review of major perspectives and concepts from the program’s core courses, plus a team project involving business plans or alternatively a strategic plan to identify and resolve problems confronting actual companies, industries, and communities. Students also develop a case study research paper of a product, firm, industry, occupation, country, or region. Consent of Director of Markets and Management Studies Program required.

MMS490 - Special Topics in Markets and Management Studies

Subject: MMS  
Catalog Number: 490  
Title: Special Topics in Markets and Management Studies  

Description
Topics vary each semester.

MMS490S - Special Topics Seminar in Markets and Management Studies

Subject: MMS  
Catalog Number: 490S  
Title: Special Topics Seminar in Markets and Management Studies  

Description
Topics vary each semester.

MUSIC101-1 - Class Piano

Subject: MUSIC  
Catalog Number: 101-1  
Title: Class Piano  

Description
A group lesson in which students play assigned pieces for each other and the instructor. The instructor works with each student individually. Beginners are welcome as well as students who have taken other rudimentary lessons. Each student learns at their own pace and is given some practice time during the class period. Assigned pieces will include duets with other members of the class. Instructor consent required.
MUSIC101-2 - Class Voice
Subject: MUSIC
Catalog Number: 101-2
Title: Class Voice
Description: Group lessons focused on development of basic technique for voice in a master class setting. Students will perform song literature appropriate to the individual skill level. Instructor consent required.

MUSIC101-3 - Introductory Guitar Class
Subject: MUSIC
Catalog Number: 101-3
Title: Introductory Guitar Class
Description: Group lessons focused on the development of basic technique for guitar. Students will observe their peers during lessons and will perform literature appropriate to each individual's skill level. Instructor consent required.

MUSIC101-4 - Djembe Class
Subject: MUSIC
Catalog Number: 101-4
Title: Djembe Class
Description: Group lessons focused on the development of basic technique for djembe. Students will observe their peers during lessons and will perform literature appropriate to each individual's skill level. Instructor consent required.

MUSIC101-5 - Class Improvisation
Subject: MUSIC
Catalog Number: 101-5
Title: Class Improvisation
Description: Development of musicianship and interpretation through harmony and improvisation, improvisation games, investigations of style and 21st century performance practice. Instructor consent required.

MUSIC101-6 - Class Percussion
Subject: MUSIC
Catalog Number: 101-6
Title: Class Percussion
Description: Group lessons focused on the development of basic technique for percussion. Students will observe their peers during lessons and will perform literature appropriate to each individual's skill level. Instructor consent required.

MUSIC101-7 - Class Brass
Subject: MUSIC
Catalog Number: 101-7
Title: Class Brass
Description: Group lessons focused on the development of basic technique for brass instrumentalists. Emphasis placed upon a relaxed approach to tone production and the proper use of air and embouchure to produce a musical sound. Students will observe their peers during lessons and will perform literature appropriate to each individual's skill level. Instructor consent required.

MUSIC103-1 - Classical Piano
Subject: MUSIC
Catalog Number: 103-1
Title: Classical Piano
Description: Weekly, 30-minute individual private instruction for undergraduate students of varying levels. Ability beyond the beginner stage is required. There is a fee associated with lessons for non-declared music majors. Instructor consent required.

MUSIC103-2 - Jazz Piano
Subject: MUSIC
Catalog Number: 103-2
Title: Jazz Piano
Description: Weekly, 30-minute individual private instruction for undergraduate students of varying levels. Ability beyond the beginner stage is required. There is a fee associated with lessons for non-declared music majors. Instructor consent required.
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<tr>
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<tbody>
<tr>
<td>MUSIC103-3</td>
<td>103-3</td>
<td>Organ</td>
</tr>
<tr>
<td>Description</td>
<td>Weekly, 30-minute individual private instruction for undergraduate students of varying levels. Ability beyond the beginner stage is required. There is a fee associated with lessons for non-declared music majors. Instructor consent required.</td>
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</table>

| MUSIC103-4 | 103-4          | Harpsichord   |
| Description | Weekly, 30-minute individual private instruction for undergraduate students of varying levels. Ability beyond the beginner stage is required. There is a fee associated with lessons for non-declared music majors. Instructor consent required. |

| MUSIC104-1 | 104-1          | Violin        |
| Description | Weekly, 30-minute individual private instruction for undergraduate students of varying levels. Ability beyond the beginner stage is required. There is a fee associated with lessons for non-declared music majors. Instructor consent required. |

| MUSIC104-2 | 104-2          | Viola         |
| Description | Weekly, 30-minute individual private instruction for undergraduate students of varying levels. Ability beyond the beginner stage is required. There is a fee associated with lessons for non-declared music majors. Instructor consent required. |

| MUSIC104-3 | 104-3          | Cello         |
| Description | Weekly, 30-minute individual private instruction for undergraduate students of varying levels. Ability beyond the beginner stage is required. There is a fee associated with lessons for non-declared music majors. Instructor consent required. |

| MUSIC104-4 | 104-4          | Double Bass   |
| Description | Weekly, 30-minute individual private instruction for undergraduate students of varying levels. Ability beyond the beginner stage is required. There is a fee associated with lessons for non-declared music majors. Instructor consent required. |

| MUSIC104-5 | 104-5          | Classical Guitar |
| Description | Weekly, 30-minute individual private instruction for undergraduate students of varying levels. Ability beyond the beginner stage is required. There is a fee associated with lessons for non-declared music majors. Instructor consent required. |

<p>| MUSIC104-6 | 104-6          | Jazz Guitar   |
| Description | Weekly, 30-minute individual private instruction for undergraduate students of varying levels. Ability beyond the beginner stage is required. There is a fee associated with lessons for non-declared music majors. Instructor consent required. |</p>
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<tr>
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<tbody>
<tr>
<td>MUSIC</td>
<td>104-7</td>
<td>Harp</td>
</tr>
<tr>
<td><strong>Description</strong></td>
<td></td>
<td>Weekly, 30-minute individual private instruction for undergraduate students of varying levels. Ability beyond the beginner stage is required. There is a fee associated with lessons for non-declared music majors. Instructor consent required.</td>
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<tbody>
<tr>
<td>MUSIC</td>
<td>105-1</td>
<td>Flute</td>
</tr>
<tr>
<td><strong>Description</strong></td>
<td></td>
<td>Weekly, 30-minute individual private instruction for undergraduate students of varying levels. Ability beyond the beginner stage is required. There is a fee associated with lessons for non-declared music majors. Instructor consent required.</td>
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<tbody>
<tr>
<td>MUSIC</td>
<td>105-2</td>
<td>Oboe</td>
</tr>
<tr>
<td><strong>Description</strong></td>
<td></td>
<td>Weekly, 30-minute individual private instruction for undergraduate students of varying levels. Ability beyond the beginner stage is required. There is a fee associated with lessons for non-declared music majors. Instructor consent required.</td>
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<tbody>
<tr>
<td>MUSIC</td>
<td>105-3</td>
<td>Clarinet</td>
</tr>
<tr>
<td><strong>Description</strong></td>
<td></td>
<td>Weekly, 30-minute individual private instruction for undergraduate students of varying levels. Ability beyond the beginner stage is required. There is a fee associated with lessons for non-declared music majors. Instructor consent required.</td>
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<tbody>
<tr>
<td>MUSIC</td>
<td>105-4</td>
<td>Bassoon</td>
</tr>
<tr>
<td><strong>Description</strong></td>
<td></td>
<td>Weekly, 30-minute individual private instruction for undergraduate students of varying levels. Ability beyond the beginner stage is required. There is a fee associated with lessons for non-declared music majors. Instructor consent required.</td>
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<tbody>
<tr>
<td>MUSIC</td>
<td>105-5</td>
<td>Saxophone</td>
</tr>
<tr>
<td><strong>Description</strong></td>
<td></td>
<td>Weekly, 30-minute individual private instruction for undergraduate students of varying levels. Ability beyond the beginner stage is required. There is a fee associated with lessons for non-declared music majors. Instructor consent required.</td>
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<tbody>
<tr>
<td>MUSIC</td>
<td>105-6</td>
<td>Jazz Saxophone</td>
</tr>
<tr>
<td><strong>Description</strong></td>
<td></td>
<td>Weekly, 30-minute individual private instruction for undergraduate students of varying levels. Ability beyond the beginner stage is required. There is a fee associated with lessons for non-declared music majors. Instructor consent required.</td>
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<tbody>
<tr>
<td>MUSIC</td>
<td>106-1</td>
<td>Trumpet</td>
</tr>
<tr>
<td><strong>Description</strong></td>
<td></td>
<td>Weekly, 30-minute individual private instruction for undergraduate students of varying levels. Ability beyond the beginner stage is required. There is a fee associated with lessons for non-declared music majors. Instructor consent required.</td>
</tr>
</tbody>
</table>
MUSIC106-2 - French Horn
Subject: MUSIC
Catalog Number: 106-2
Title: French Horn
Description: Weekly, 30-minute individual private instruction for undergraduate students of varying levels. Ability beyond the beginner stage is required. There is a fee associated with lessons for non-declared music majors. Instructor consent required.

MUSIC106-3 - Trombone
Subject: MUSIC
Catalog Number: 106-3
Title: Trombone
Description: Weekly, 30-minute individual private instruction for undergraduate students of varying levels. Ability beyond the beginner stage is required. There is a fee associated with lessons for non-declared music majors. Instructor consent required.

MUSIC106-4 - Tuba
Subject: MUSIC
Catalog Number: 106-4
Title: Tuba
Description: Weekly, 30-minute individual private instruction for undergraduate students of varying levels. Ability beyond the beginner stage is required. There is a fee associated with lessons for non-declared music majors. Instructor consent required.

MUSIC107-1 - Percussion
Subject: MUSIC
Catalog Number: 107-1
Title: Percussion
Description: Weekly, 30-minute individual private instruction for undergraduate students of varying levels. Ability beyond the beginner stage is required. There is a fee associated with lessons for non-declared music majors. Instructor consent required.

MUSIC115 - Vocal Diction
Subject: MUSIC
Catalog Number: 115
Title: Vocal Diction
Description: Introduction to the International Phonetic Alphabet (IPA) with a focus on diction for singing in English, Italian, French and German. Students will be required to sing in class.

MUSIC116 - Alexander Technique for Musicians, Dancers, and Actors
Subject: MUSIC
Catalog Number: 116
Title: Alexander Technique for Musicians, Dancers, and Actors
Description: The Alexander Technique provides a structured method of self inquiry which has helped performing artists improve their skills for over 100 years. By uncovering and transforming previously unconscious movement patterns and mental habits, performers can significantly improve their skills by increasing freedom and ease of movement. All instrumentalists and singers with a strong interest and background in performance are welcome.
<table>
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<tr>
<th>Subject</th>
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<tbody>
<tr>
<td>MUSIC120 - Music: An Introduction</td>
<td>120</td>
<td>Music: An Introduction</td>
</tr>
<tr>
<td>Description</td>
<td>Study of the components of music (e.g., melody, rhythm) through comparative listening to styles from different places and times, ranging from current popular artists to classical, jazz, and world music. Discussion of the shared and unique aspects of these styles, their historical and cultural links, and how those shape our tastes.</td>
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<tr>
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<tbody>
<tr>
<td>MUSIC121 - Discovering Music</td>
<td>121</td>
<td>Discovering Music</td>
</tr>
<tr>
<td>Description</td>
<td>Discovering Music offers a survey of the Western musical tradition from the Middle Ages to the present. We begin by introducing the elements of music (pitch, rhythm, timbre, form), and then proceed historically. Along the way we listen to and examine eighty compositions representative of art music in the West in all its diversity. Students follow the music with enhanced listening diagrams coordinated with streaming audio, read materials about why and how to listen, and watch supplemental videos including members of the Boston Symphony Orchestra, Duke Symphony Orchestra and Duke Chorale.</td>
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<tbody>
<tr>
<td>MUSIC126 - Acoustics and Music</td>
<td>126</td>
<td>Acoustics and Music</td>
</tr>
<tr>
<td>Description</td>
<td>An introduction to the physics underlying the production, transmission, and reception of musical sounds. Topics covered include sound waves and room acoustics; analysis of pitch, timbre, and loudness; the chromatic scale and tuning systems; resonance and the physics of strings, winds, and brass instruments and the human voice; and the structure of the human ear. Students complete and present an original research project. No previous knowledge of physics assumed.</td>
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<tr>
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<tbody>
<tr>
<td>MUSIC130 - World Music: Aesthetic and Anthropological Approaches</td>
<td>130</td>
<td>World Music: Aesthetic and Anthropological Approaches</td>
</tr>
<tr>
<td>Description</td>
<td>Study of musical styles and practices in relation to issues of creativity, forms of power, and cultural survival; focus on the music and experiences of indigenous peoples, refugees, migrants, and immigrants.</td>
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<tbody>
<tr>
<td>MUSIC137 - Music, Social Life, and Scenes</td>
<td>137</td>
<td>Music, Social Life, and Scenes</td>
</tr>
<tr>
<td>Description</td>
<td>Study of musical styles and performance practices in relation to issues of identity and other aspects of social life; focus on the diverse local musical scenes and traditions and on learning through doing original fieldwork.</td>
<td></td>
</tr>
</tbody>
</table>

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<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>MUSIC140 - Introduction to Jazz</td>
<td>140</td>
<td>Introduction to Jazz</td>
</tr>
<tr>
<td>Description</td>
<td>Lecture version of Music 140D.</td>
<td></td>
</tr>
</tbody>
</table>

Duke University
MUSIC141 - The Hollywood Musical: Singing and Dancing the American Dream

**Subject** MUSIC  
**Catalog Number** 141  
**Title** The Hollywood Musical: Singing and Dancing the American Dream

**Description** Beyond its unapologetic praise of spectacularity and entertainment, what makes the Hollywood film musical a quintessential American genre? Since its origins, the Hollywood musical has been channeling various ideologies in its modes of performance and production; it has offered a space to address specific anxieties of the American society: modernity vs. nostalgia, representations of gender, ethnicity, class, and the low/high divide in arts. Emphasis will be given on its performative aspects, the relationship between choreography and song, the changing representations of the dancing body, musical styles, sexual objectification and the star persona.

MUSIC143 - History of Rock: Rhythm & Blues and Rock & Roll to Indie Rock and Hip-Hop

**Subject** MUSIC  
**Catalog Number** 143  
**Title** History of Rock: Rhythm & Blues and Rock & Roll to Indie Rock and Hip-Hop

**Description** The history of rock music from the 1950s to the present. Beginning with its roots in rhythm and blues, country and western, and commercial pop, examination of diverse musical styles, artists and bands, and the many historical, technological, and cultural factors that have contributed to the rise and popularity of rock music.

MUSIC144 - Meet the Beatles and the 1960s

**Subject** MUSIC  
**Catalog Number** 144  
**Title** Meet the Beatles and the 1960s

**Description** The music of the Beatles in the context of 1960s counterculture: rock and roll rebellion, Dylan and psychedelic drugs, recording studio techniques, Eastern religion and the anti-war movement.

MUSIC145 - Hip-Hop/Rap Music Appreciation

**Subject** MUSIC  
**Catalog Number** 145  
**Title** Hip-Hop/Rap Music Appreciation

**Description** This course explores the development of Hip-Hop and Rap music from an inner-city expression of music into a worldwide social and cultural movement. Rap, considered popular music at the beginning of the 21st century, has a huge influence on mainstream culture. Students will have a unique opportunity to develop and/or enhance their knowledge and comprehension of this popular and influential genre.
MUSIC146 - Motown and American Soul Music

**Subject**  
MUSIC  
**Catalog Number**  
146  
**Title**  
Motown and American Soul Music  

**Description**  
During the 1960's, in Detroit, Michigan, a landmark in music was established: The Motown Sound. This aural kaleidoscope of high quality, dynamic song creation was established through a confluence of talent and hard work by people whose names now line the halls of fame for popular music. Some of these luminaries include Berry Gordy, Diana Ross, Stevie Wonder, Marvin Gaye, and Holland-Dozier-Holland. This course will investigate the societal and musical factors that gave rise to such a distinctive aesthetic, also framing this phenomenon as a point of comparison to a range of commercial music styles, including Philly Soul, Southern Soul, RnB, and current musical trends.

MUSIC147 - Black Music and the Soul of America

**Subject**  
MUSIC  
**Catalog Number**  
147  
**Title**  
Black Music and the Soul of America  

**Description**  
This course traces the deep and pervasive impact African Americans have had on music in the United States. Musicians include Louis Armstrong, Bessie Smith, James Brown, Aretha Franklin, John Coltrane, Marian Anderson, Sam Cooke, Otis Wilson, Duke Ellington, Florence Price, William Grant Still, Alicia Keys, Kirk Franklin, and Megan Thee Stallion. The course demonstrates musical, cultural and political connections between these different streams of music and American society. Students will discover the myriad ways that the very soul of America has been conditioned by the practices of Black music.

MUSIC148 - Korean Popular Music (K-pop)

**Subject**  
MUSIC  
**Catalog Number**  
148  
**Title**  
Korean Popular Music (K-pop)  

**Description**  
This course investigates the history, production, reception, and circulation of Korean popular music (K-pop). The course is designed in three modules: the first module offers a critical overview of the history of Korean popular music from 1900 to the present; the second module focuses on the political economy of K-pop; the third module investigates various social issues concerning K-pop, including gender politics, cultural appropriation, visual and aural aesthetics, fandom culture, use of technology, etc. Students will engage with both scholarly articles and popular sources, as well as music videos and albums. Knowledge of the Korean language can be helpful but is not required.

MUSIC161 - Introduction to Music Theory

**Subject**  
MUSIC  
**Catalog Number**  
161  
**Title**  
Introduction to Music Theory  

**Description**  
This introductory course covers the fundamentals of music theory and music literacy through exploration of European classical repertoire, popular music idioms, written theory exercises, and the development of basic aural skills. Topics include clefs, key signatures, major and minor scales, time signatures, meter, intervals, triads, seventh chords, inversions, basic Roman numeral analysis, and form. Students also write short compositions that explore dynamics, phrasing, texture, dissonance treatment, harmonic function, formal function, and cadential syntax.
<table>
<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUSIC</td>
<td>161-2</td>
<td>Introduction to Music Theory Through Music Software and Digital Audio Workspaces</td>
</tr>
</tbody>
</table>

**Description**

This introductory course covers the fundamentals of music theory and music literacy through music software and digital audio workspaces like Ableton Live, Logic, Garage Band, and ProTools. Topics include major and minor scales, modes, keys, time signatures, meter, intervals, triads, seventh chords, inversions, basic application of Roman numeral harmonic analysis, and form. Students create short electronic compositions that employ the theoretical concepts explored in the class. Other topics include exploration of popular and classical idioms and the development of basic aural skills.

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<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>MUSIC</td>
<td>162S</td>
<td>Introduction to Composition: Explorations in Musical Time and Space</td>
</tr>
</tbody>
</table>

**Description**

Exploration, in seminar/workshop format, of sound and music, expressed through projects involving instruments, voices, and intermedia. Consideration of the current field will provide concrete examples, ranging widely across ‘kinds of music.’ Investigations will touch on music theory and acoustics, orchestration, music technology and analysis. Primary emphasis on composing: creative discovery of expressive possibilities and compositional value of craft. Intended for students who may have written songs or composed, and who would like to continue their explorations.

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<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>MUSIC</td>
<td>163L</td>
<td>Listening Lab</td>
</tr>
</tbody>
</table>

**Description**

How do we perceive the world around us by listening to sound and music? What can we learn about the world and each other when we tune our ears to particular types of sound, or particular musical traditions? This course offers students an immersive listening environment in which they will be exposed to musics from around the world. Students will practice close listening to connect how music and sound interact with race, gender, sexuality, politics, religion, history, and place. Students will practice writing to understand how language can be used to convey sound and music. No prior technical musical knowledge or experience is required.

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<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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<tbody>
<tr>
<td>MUSIC</td>
<td>165</td>
<td>Let's Dance! Live Art and Performance</td>
</tr>
</tbody>
</table>

**Description**

This introductory course offers an examination of the major movements in the history of concert and social dance, including ballet, tap, jazz, modern dance, musical theater, and particular cultural forms. Considerations of popular culture and reality competition dance programs; feminist foundations of modern dance; contemporary performance idioms that involve the presence of the body.

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<tr>
<th>Subject</th>
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<th>Title</th>
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<tbody>
<tr>
<td>MUSIC</td>
<td>172</td>
<td>Jazz Combo and improvisation II</td>
</tr>
</tbody>
</table>

**Description**

See Jazz Improvisation I. Prerequisite: Music 171 or consent of instructor.

<table>
<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>MUSIC</td>
<td>176</td>
<td>The Songwriter's Vocabulary</td>
</tr>
</tbody>
</table>

**Description**

Writing songs in various twentieth-century popular styles. Fundamentals of form, harmony, voice leading, text setting, and production. Prerequisite: Music 161 or consent of instructor.
MUSIC190 - Special Topics in Music
Subject: MUSIC
Catalog Number: 190
Title: Special Topics in Music
Description: Opportunities to engage with a specific issue in music.

MUSIC190FS - Focus Seminar
Subject: MUSIC
Catalog Number: 190FS
Title: Focus Seminar
Description: Topics vary each semester. Open only to students in the Focus Program.

MUSIC190S - Special Topics in Music
Subject: MUSIC
Catalog Number: 190S
Title: Special Topics in Music
Description: Opportunities to engage with a specific issue in music.

MUSIC199FS - Knowing Through Performance
Subject: MUSIC
Catalog Number: 199FS
Title: Knowing Through Performance
Description: Inquiry into the concept of ‘performance’ broadly construed; not only as it refers to ‘staged’ performances, but as social ritual and as self-representation, situated in cultural context. Writing experiments aimed at capturing the ephemerality of live performance, with attention to how meaning is enacted through movement, sound, lighting, rhythm, voice, emotion, and audience interaction. Regular writers' workshops and attendance of theater, dance, and musical performances. Students compose critical reviews and a research project on a performance genre, an artist's approach, or other related topic of their choosing.

MUSIC201-3 - Intermediate Guitar Class
Subject: MUSIC
Catalog Number: 201-3
Title: Intermediate Guitar Class
Description: This is the follow up to Intro Guitar Class and is mostly pop and folk music with some rock and classical songs added in. This is a challenging class that does require constant daily time practicing on your guitar. Anyone earning an A in Intro Guitar Class is encouraged to enroll. Building on the previous material we will continue working on learning more complicated accompanying patterns, songs with bar chords and intricate picking and more intermediate classical pieces and pop tunes.

MUSIC203-1 - Classical Piano
Subject: MUSIC
Catalog Number: 203-1
Title: Classical Piano
Description: Weekly, 60-minute individual private instruction for undergraduate students of varying levels. Ability beyond the beginner stage is required. There is a fee associated with lessons for non-declared music majors. Instructor consent required.

MUSIC203-2 - Jazz Piano
Subject: MUSIC
Catalog Number: 203-2
Title: Jazz Piano
Description: Weekly, 60-minute individual private instruction for undergraduate students of varying levels. Ability beyond the beginner stage is required. There is a fee associated with lessons for non-declared music majors. Instructor consent required.

MUSIC203-3 - Organ
Subject: MUSIC
Catalog Number: 203-3
Title: Organ
Description: Weekly, 60-minute individual private instruction for undergraduate students of varying levels. Ability beyond the beginner stage is required. There is a fee associated with lessons for non-declared music majors. Instructor consent required.
<table>
<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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<tbody>
<tr>
<td>MUSIC203-4</td>
<td>203-4</td>
<td>Harpsichord</td>
</tr>
<tr>
<td>MUSIC204-1</td>
<td>204-1</td>
<td>Violin</td>
</tr>
<tr>
<td>MUSIC204-2</td>
<td>204-2</td>
<td>Viola</td>
</tr>
<tr>
<td>MUSIC204-3</td>
<td>204-3</td>
<td>Cello</td>
</tr>
<tr>
<td>MUSIC204-4</td>
<td>204-4</td>
<td>Double Bass</td>
</tr>
<tr>
<td>MUSIC204-5</td>
<td>204-5</td>
<td>Classical Guitar</td>
</tr>
<tr>
<td>MUSIC204-6</td>
<td>204-6</td>
<td>Jazz Guitar</td>
</tr>
<tr>
<td>MUSIC204-7</td>
<td>204-7</td>
<td>Harp</td>
</tr>
</tbody>
</table>

**Description**

Weekly, 60-minute individual private instruction for undergraduate students of varying levels. Ability beyond the beginner stage is required. There is a fee associated with lessons for non-declared music majors. Instructor consent required.
<table>
<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>MUSIC</td>
<td>205-1</td>
<td>Flute</td>
</tr>
<tr>
<td>MUSIC</td>
<td>205-2</td>
<td>Oboe</td>
</tr>
<tr>
<td>MUSIC</td>
<td>205-3</td>
<td>Clarinet</td>
</tr>
<tr>
<td>MUSIC</td>
<td>205-4</td>
<td>Bassoon</td>
</tr>
<tr>
<td>MUSIC</td>
<td>205-5</td>
<td>Saxophone</td>
</tr>
<tr>
<td>MUSIC</td>
<td>205-6</td>
<td>Jazz Saxophone</td>
</tr>
<tr>
<td>MUSIC</td>
<td>206-1</td>
<td>Trumpet</td>
</tr>
<tr>
<td>MUSIC</td>
<td>206-2</td>
<td>French Horn</td>
</tr>
</tbody>
</table>

**Description**
Weekly, 60-minute individual private instruction for undergraduate students of varying levels. Ability beyond the beginner stage is required. There is a fee associated with lessons for non-declared music majors. Instructor consent required.
### MUSIC206-3 - Trombone

**Subject**  
MUSIC  

**Catalog Number**  
206-3  

**Title**  
Trombone  

**Description**  
Weekly, 60-minute individual private instruction for undergraduate students of varying levels. Ability beyond the beginner stage is required. There is a fee associated with lessons for non-declared music majors. Instructor consent required.

### MUSIC206-4 - Tuba

**Subject**  
MUSIC  

**Catalog Number**  
206-4  

**Title**  
Tuba  

**Description**  
Weekly, 60-minute individual private instruction for undergraduate students of varying levels. Ability beyond the beginner stage is required. There is a fee associated with lessons for non-declared music majors. Instructor consent required.

### MUSIC207-1 - Percussion

**Subject**  
MUSIC  

**Catalog Number**  
207-1  

**Title**  
Percussion  

**Description**  
Weekly, 60-minute individual private instruction for undergraduate students of varying levels. Ability beyond the beginner stage is required. There is a fee associated with lessons for non-declared music majors. Instructor consent required.

### MUSIC208 - Voice

**Subject**  
MUSIC  

**Catalog Number**  
208  

**Title**  
Voice  

**Description**  
Weekly, 60-minute individual private instruction for undergraduate students of varying levels. Ability beyond the beginner stage is required. There is a fee associated with lessons for non-declared music majors. Instructor consent required.

### MUSIC210-1 - Symphony Orchestra

**Subject**  
MUSIC  

**Catalog Number**  
210-1  

**Title**  
Symphony Orchestra  

**Description**  
Instructor consent required.

### MUSIC210-2 - Wind Symphony

**Subject**  
MUSIC  

**Catalog Number**  
210-2  

**Title**  
Wind Symphony  

**Description**  
Instructor consent required.

### MUSIC210-3 - Marching Band

**Subject**  
MUSIC  

**Catalog Number**  
210-3  

**Title**  
Marching Band  

**Description**  
Instructor consent required.

### MUSIC210-4 - Jazz Ensemble

**Subject**  
MUSIC  

**Catalog Number**  
210-4  

**Title**  
Jazz Ensemble  

**Description**  
Instructor consent required.

### MUSIC210-5 - Small Jazz Ensemble

**Subject**  
MUSIC  

**Catalog Number**  
210-5  

**Title**  
Small Jazz Ensemble  

**Description**  
Instructor consent required.

### MUSIC210-6 - Chinese Music Ensemble

**Subject**  
MUSIC  

**Catalog Number**  
210-6  

**Title**  
Chinese Music Ensemble  

**Description**  
Instructor consent required.
**MUSIC210-7 - Duke Symphony Orchestra and Duke Wind Symphony Joint Ensemble**

**Subject**
MUSIC

**Catalog Number**
210-7

**Title**
Duke Symphony Orchestra and Duke Wind Symphony Joint Ensemble

**Description**
The purpose of the joint Duke University Symphony Orchestra (DSO) and Duke University Wind Symphony (DUWS) Fall 2020 ensemble is to foster a community that continues to meet, inspire, and create through the COVID-19 pandemic. The ensemble is open to any Duke student by audition (for audition details please visit music.duke.edu). No audition is required for returning members for either ensemble. Instructor consent required.

**MUSIC211-1 - Collegium Musicum**

**Subject**
MUSIC

**Catalog Number**
211-1

**Title**
Collegium Musicum

**Description**
Instructor consent required.

**MUSIC211-2 - Chamber Music**

**Subject**
MUSIC

**Catalog Number**
211-2

**Title**
Chamber Music

**Description**
Instructor consent required.

**MUSIC211-3 - Piano Ensemble**

**Subject**
MUSIC

**Catalog Number**
211-3

**Title**
Piano Ensemble

**Description**
Chamber music dealing with collaborative piano skills (piano duos, vocal/instrumental accompanying, sight reading, transposition and orchestral reductions). Instructor consent required.

**MUSIC212-1 - Djembe Ensemble**

**Subject**
MUSIC

**Catalog Number**
212-1

**Title**
Djembe Ensemble

**Description**
Instructor consent required.

**MUSIC212-2 - Afro-Cuban Percussion**

**Subject**
MUSIC

**Catalog Number**
212-2

**Title**
Afro-Cuban Percussion

**Description**
Instructor consent required.

**MUSIC213-1 - Opera Theater**

**Subject**
MUSIC

**Catalog Number**
213-1

**Title**
Opera Theater

**Description**
Instructor consent required.

**MUSIC213-2 - Chapel Choir**

**Subject**
MUSIC

**Catalog Number**
213-2

**Title**
Chapel Choir

**Description**
Instructor consent required.
<table>
<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>MUSIC213-3</td>
<td>213-3</td>
<td>Chorale</td>
<td>Instructor consent required.</td>
</tr>
</tbody>
</table>

**MUSIC214 - The Singing Actor: Song Interpretation for Musical Theater**

<table>
<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
<th>Description</th>
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<tbody>
<tr>
<td>MUSIC</td>
<td>214</td>
<td></td>
<td>The Singing Actor is a research and workshop-based musical theater course designed to introduce students to the analytical and performative demands of acting a song. The course aims to give students a working knowledge of music theory methods, exercises, and essential aesthetics in vocal production and vocal wellness, as well as an in-depth study of script analysis, score analysis, and character development for the musical. Researching and physically preparing songs and scores from various musical genres is the primary focus of the course with the preparation of song pieces for songbooks and audition settings being a secondary focus.</td>
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</tbody>
</table>

**MUSIC215A - The Arts, Culture, and Performance of New York**

<table>
<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>MUSIC</td>
<td>215A</td>
<td></td>
<td>This course introduces its participants to New York through its rich artistic, cultural, and performance offerings—drawn from art, dance, film, music, literature, and theater. Visiting all five boroughs, they contemplate how the identities of New Yorkers—informed by the city and by ability, class, ethnicity, gender, race, and sexuality—are performed in the theater of everyday life: in parks, streets, subways, and especially the city’s diverse neighborhoods and restaurants.</td>
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</tbody>
</table>

**MUSIC216A - Internship in New York**

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<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
<th>Description</th>
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<tbody>
<tr>
<td>MUSIC</td>
<td>216A</td>
<td></td>
<td>Participants in this course are immersed in the professional work of New York’s arts, culture, and performance industries through apprenticeship to a sponsoring artist, institution, or organization. Participants work fifteen hours per week at their internship and meet arts professionals from within and beyond Duke’s alumni network. They also meet regularly with their supervising professor. In combination, this work experience, networking opportunity, and academic reflection help interns develop their professional capabilities, refine their interpersonal and workplace skills, and prepare for future work in creative industries.</td>
</tr>
</tbody>
</table>
MUSIC216AS - Duke in London: Arts
Subject: MUSIC
Catalog Number: 216AS
Title: Duke in London: Arts
Description:
This course surveys London as a site of dynamic cultural production, whose participation in the global marketplace of artistic commodities reveals the city's restless transnational, cosmopolitan character. Studying local institutions, students are introduced to the complex relationship among art, state, and the global cultural marketplace; studying a multiracial and multiethnic community, they become familiar with theories of globalization, neoliberalism, and cosmopolitanism, as well as migration and so-called national identity. Students also participate in excursions including dance, opera, and theatre productions and visits to museums and other sites of cultural importance.

MUSIC218 - Musical Theater Workshop: Performance
Subject: MUSIC
Catalog Number: 218
Title: Musical Theater Workshop: Performance
Description:
Students will develop the three primary skills of musical theater performance (acting, dancing, and singing) in this workshop. Students will also try their hand at choreography, direction, and dramaturgy as we collaboratively stage scenes and songs from musicals throughout the semester. We will analyze what makes musical theatre performance successful as we work to hone your own abilities and talents together. Each student will receive a mixture of individual and group coaching every week. Permission to enroll is granted by instructor consent following a successful audition into the mainstage production.

MUSIC219S - Production Management for Theater
Subject: MUSIC
Catalog Number: 219S
Title: Production Management for Theater
Description:
What does it mean to successfully manage an artistic endeavor? How does management affect whether or not a project is successful? How can artist managers be more sensitive and responsive to the needs of their fellow collaborators? This course explores theater from the perspective of the production manager. While our focus will be theater, we’ll also discuss how to apply skills such as scheduling, budgeting, writing contracts, and personnel negotiation across the performing and cinematic arts.

MUSIC220S - Writing the Musical Book
Subject: MUSIC
Catalog Number: 220S
Title: Writing the Musical Book
Description:
Study and create the dramatic text of musical theater. Course starts with grounding in the basics of text writing by studying outstanding examples of book writing, from Arthur Laurent's Gypsy to Brian Yorkey's Pulitzer-winning Next To Normal. Students write a series of short scenes (5-10 pages) to be read aloud and critiqued in class, with ultimate goal of completing an original or adapted book for a one-act musical (30-60 pages.)
MUSIC226S - Performing African Diaspora

Subject: MUSIC  
Catalog Number: 226S  
Title: Performing African Diaspora  

Description: The Black cultural contributions of globally popular performance genres such as salsa, capoeira and kizomba often remain unrecognized. The objectives of this class are: 1) to understand the historical, cultural and political forces that created the African Diaspora and its rich tapestry of dances. 2) to question our assumptions that knowledge is only produced through the mind; knowledge is also produced and transmitted through moving bodies. To meet these objectives, the course will be a combination of seminar and studio: in seminar we will engage readings in anthropology, dance and performances studies about specific dances which we will then learn in studio.

MUSIC230S - Arts Policy, Leadership, and Engagement

Subject: MUSIC  
Catalog Number: 230S  
Title: Arts Policy, Leadership, and Engagement  

Description: This community-engaged course provides an introduction to contemporary issues in US arts policy and cultural sector leadership across four broad themes: creative institutions; cultural equity and accessibility; creative placemaking/community development; and the creative economy. In addition to policy questions in these areas, we examine leadership practices in arts organizations and cultural institutions, with particular attention to the kinds of leadership the arts require in a post-2020 world. Students will work in teams on a semester-long collaborative project with an arts policy organization and experience the arts in practice through attendance at performances and exhibitions.

MUSIC231S - Introduction to Latino/a Studies in the Global South

Subject: MUSIC  
Catalog Number: 231S  
Title: Introduction to Latino/a Studies in the Global South  

Description: Intro to the interdisciplinary field of Latino/a Studies, and how it reconfigures the study of the United States and the Americas. Considers literature, history, sociology, economics, politics, culture and language in examining terms such as: Latino, Latinidad, Global South, transnational, globalization, and multiculturalism. Exploration of alignments and divergences of Latino/a Studies with African and African American Studies, Latin American and Caribbean Studies, and Critical US Studies. Classroom learning will connect with the community outside of Duke. Required intro course for students in the Latino/a Studies in the Global South certificate program.

MUSIC235S - Selena: Music, Media, and the Mexican American Experience

Subject: MUSIC  
Catalog Number: 235S  
Title: Selena: Music, Media, and the Mexican American Experience  

Description: How did singer Selena Quintanilla impact the world and why does she remain as such an important cultural fixture for Mexican-American communities? This class explores the life, music, and legacy of Selena Quintanilla. We will discuss how Selena used music to navigate a complex Mexican-American identity. Focusing on intersectional feminism, sexuality, iconicity, and fandom, we will learn about Selena’s music throughout the years and consider how these themes are interpreted and complicated across borders. Course materials engage readings from pop music studies, gender, sexuality, and feminist studies, Latinx studies and include a range of films, audio recordings, and podcasts.
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<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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<tbody>
<tr>
<td>MUSIC</td>
<td>235T-1</td>
<td>Voices in Music: Spanish</td>
</tr>
<tr>
<td>MUSIC</td>
<td>235T-2</td>
<td>Voices in Music: Korean</td>
</tr>
<tr>
<td>MUSIC</td>
<td>235T-3</td>
<td>Voices in Music: Italian</td>
</tr>
<tr>
<td>MUSIC</td>
<td>236</td>
<td>African Music: Sound, History, Culture, Politics</td>
</tr>
<tr>
<td>MUSIC</td>
<td>237</td>
<td>Latinx Music Cultures</td>
</tr>
<tr>
<td>MUSIC</td>
<td>238S</td>
<td>Sound, Music, and the Moving Image</td>
</tr>
</tbody>
</table>

**MUSIC235T-1 - Voices in Music: Spanish**

**Description**
Voices in Music explores how language and culture impact the production and perception of music in Spanish-speaking communities. Texts include compositions, lyrics, music videos, interviews, visual texts, and documentaries, allowing students to examine music from multiple perspectives in Spanish. Discussions will include ethnomusicology, representations of culture and identity, performance, and the music industry. Tutorials are taught entirely in Spanish. Prerequisite: 4 semesters-level of language study (SPANISH 204) or equivalent. Satisfactory/Unsatisfactory.

**MUSIC235T-2 - Voices in Music : Korean**

**Description**
Voices in Music explores how language and culture impact the production and reception of music in Korean-speaking communities. Texts include compositions, lyrics, music videos, interviews, visual texts, and documentaries, allowing students to examine music from multiple perspectives in Korean. Discussions will include ethnomusicology, representations of culture and identity, performance, and the music industry. Tutorials are taught in Korean. Recommended prerequisite: 4 semesters-level of language study (KOREAN 204) or equivalent.

**MUSIC235T-3 - Voices in Music: Italian**

**Description**
Voices in Music explores how language and culture impact the production and reception of music in Italian-speaking communities. Texts include compositions, lyrics, music videos, interviews, visual texts, and documentaries, allowing students to examine music from multiple perspectives in Italian. Discussions will include ethnomusicology, representations of culture and identity, performance, and the music industry. Tutorials are taught in Italian. Recommended prerequisite: 4 semesters-level of language study (ITAL 204) or equivalent.

**MUSIC236 - African Music: Sound, History, Culture, Politics**

**Description**
This class is about the sound, culture, politics and history of African music as heard in the world today. We will sample diverse styles and practices from around the continent, including live and recorded musics, 'popular' and 'traditional' styles, and sacred and secular practices. The class aims to teach you about the music 'itself', the African History of the International Music Industry, and about the social value of music, exploring how the patterns of circulation of African music could augment or diminish African problems, Africa's promise, and Africans' creative gifts to the world.

**MUSIC237 - Latinx Music Cultures**

**Description**
Focusing on the social and political contexts from which music emerges, this course traces the histories and contemporary adaptations of Latinx music and dance in Latin America, the Caribbean, and the United States. We will center Indigenous and Afro-Indigenous traditions such as wayno in the Andes and samba in Brazil as well as Afro-Latinx styles that have been recently popularized in the U.S. such as bachata and reggaeton. We will also focus on regional music and dance in Mexico, such as música nortena and son, and its transmission across borders. We will engage a variety of multi-media materials from across ethnomusicology, history, Latinx studies, and transnational feminism.

**MUSIC238S - Sound, Music, and the Moving Image**

**Description**
Introduction to film studies with emphasis on uses and functions of sound, film music, sound and other aural objects such as the voice, through a selected body of works. Topics include representations of sound, music and voice, the functions of pre-existing music and their relations with the moving image in cinema and television; gendered representations of music and voice in pop and rock music videos; Hollywood practices and non-Hollywood practices.
**MUSIC239S - Sound in Social Life**

**Subject**
MUSIC

**Catalog Number**
239S

**Title**
Sound in Social Life

**Description**
Considers sonic environments as socially cultivated and sound production (recording, processing, mixing) and listening as cultural practices, shaped by acoustic space. Includes study of music, recorded soundscapes (films, games, installations, field recordings), built and ecological environments (rainforests, cities, institutions), and the history and use of sound technology (sound production, reproduction, reception, acoustic materials).

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**MUSIC239SA - Sound in Social Life**

**Subject**
MUSIC

**Catalog Number**
239SA

**Title**
Sound in Social Life

**Description**
Focus on sound in NYC, to consider sonic environments as socially cultivated and listening as a cultural practice, shaped by acoustic space. Includes study of music, recorded soundscapes (films, games, installations), built and ecological environments (parks, subways, streets, institutions, clubs, neighborhoods), the politics of soundmaking, and the history and use of sound technology (sound production, reproduction, reception, acoustic materials). Considers noise ordinances in relation to public life, the representation of public life in sound, the shaping of city living practices by its acoustic architecture, and creative responses in sound as urban activist projects. Offered through the Duke in New York program.

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**MUSIC240S - Composers of Influence**

**Subject**
MUSIC

**Catalog Number**
240S

**Title**
Composers of Influence

**Description**
In the history of the arts, certain individuals have exerted an enormous influence on the trajectory of their art form. Specific composers during different style periods have been profoundly influential on their art and culture, transforming the ways music is made and perceived. This course examines the influence of Bach, Beethoven, Wagner and Stravinsky on their own time periods and subsequent generations of musicians and artists. Part of the 'Transformative Ideas' program.

---

**MUSIC241 - Studio Pop: Histories & Sounds, 1960s to 80s**

**Subject**
MUSIC

**Catalog Number**
241

**Title**
Studio Pop: Histories & Sounds, 1960s to 80s

**Description**
Pop-music styles as the work of studio production techniques, post-1960s. We explore four influential artists—The Beach Boys ('Pet Sounds' 1966, and later albums); Stevie Wonder ('Music of My Mind' 1971 to 'Songs in the Key of Life' 1976); Steely Dan (albums released 1972-79) and Prince (albums 1977 to 1987). Topics include: history of studio production, multi-track tape innovations, orchestrations, backing vocals, sonic balance, space; synthesizer technology; drum-machine grooves, Close reading of songs, producers, studio styles, press/fan reception. Analysis of music in acoustic, narrative, poetic or structural terms through close listening. Readings from critical literature.

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**MUSIC242S - Sound, Music, and Gender**

**Subject**
MUSIC

**Catalog Number**
242S

**Title**
Sound, Music, and Gender

**Description**
This seminar explores key topics in gender, sexuality, and feminist studies through musical case studies from contrasting cultural contexts. Through analyses of sonic expressive practices (e.g. drag, queer and trans voices, sex and rock, feminist listening) we consider 1) how genders sound and how sounds gender; 2) music’s capacity to transgress, (re)form, and transform—as well as its complicity in perpetuating oppression; 3) music as a resource for dreaming and desiring. No music background is necessary.

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**MUSIC243S - American Musicals**

**Subject**
MUSIC

**Catalog Number**
243S

**Title**
American Musicals

**Description**
What is it about musicals that made them a uniquely American theatrical form? In this course, we will investigate how musicals represent what it means to be American. Musical theatre history is American history, indebted to and reflective of critical histories of appropriation, capitalism, immigration, and popular entertainment. Musicals seduce us in song and dance; it is easy to ignore the substance beneath the sequins. We will study the texts and historical contexts of musicals over the past century, from Shuffle Along, and Oklahoma!, to A Chorus Line, and Hamilton. Musicals reveal shifting notions of what 'American' means as they stage ability, ethnicity, gender, race, and sexuality.
## MUSIC244S - Giants of Jazz: A Journey into the Lives and Music of the Masters of Jazz Music

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<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>MUSIC</td>
<td>244S</td>
<td>Giants of Jazz: A Journey into the Lives and Music of the Masters of Jazz Music</td>
</tr>
</tbody>
</table>

### Description
In the Giants of Jazz Seminar, students will delve deeply into the music and lives of the biggest names in Jazz. Miles Davis, John Coltrane, Charlie Parker, Duke Ellington, Art Blakey and Cannonball Adderly (to name a few) are among those who created various levels of the art form known as jazz, and this course allows students a unique opportunity to get down and dirty with the music and blueprint they left for the world to enjoy. This highly interactive course engages students with the Professor, and it is a fun and exciting way to get up close and personal with some of the greatest music and musicians of all time.

## MUSIC245S - Musical Shakespeare

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<th>Subject</th>
<th>Catalog Number</th>
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<tbody>
<tr>
<td>MUSIC</td>
<td>245S</td>
<td>Musical Shakespeare</td>
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</tbody>
</table>

### Description
William Shakespeare exerts a powerful influence, not only on literature and drama, but on the other arts as well. Composers from the Renaissance to present day, have created music expressly for the performance of his plays and sonnets. Our seminar will explore this repertoire by examining masterworks of music in relation to their Shakespearean antecedents.

## MUSIC255S - Music History I: Antiquity Through Renaissance

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<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>MUSIC</td>
<td>255S</td>
<td>Music History I: Antiquity Through Renaissance</td>
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</tbody>
</table>

### Description
The history of music in medieval and early Europe in its cultural and social context. Prerequisite: Music 261 or consent of instructor.

## MUSIC256S - Music History II: 1600 through Mozart

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<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>MUSIC</td>
<td>256S</td>
<td>Music History II: 1600 through Mozart</td>
</tr>
</tbody>
</table>

### Description
The history of music in Europe in its cultural and social context. Prerequisite: Music 261 or consent of instructor.

## MUSIC257 - Music History III: Beethoven through WWI

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<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>MUSIC</td>
<td>257</td>
<td>Music History III: Beethoven through WWI</td>
</tr>
</tbody>
</table>

### Description
The history of music in nineteenth-century through post-WWI Europe and the United States in its cultural and social context. Prerequisite: Music 261 or consent of instructor.

## MUSIC258 - Music History IV: Post-WWI through the Present

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<tr>
<th>Subject</th>
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<th>Title</th>
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<tbody>
<tr>
<td>MUSIC</td>
<td>258</td>
<td>Music History IV: Post-WWI through the Present</td>
</tr>
</tbody>
</table>

### Description
The history of music in twentieth- and twenty-first-century Europe and the United States in its cultural and social context. Prerequisite: Music 261 or consent of instructor.
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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Description</th>
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<tbody>
<tr>
<td>MUSIC259</td>
<td>Modern and Experimental Music</td>
<td>A survey of Debussy, Stravinsky, Bartók, Varèse, Ives, and other composers who transformed music in Europe and the United States before World War II, as well as prominent post-war figures such as Lutosławski, Messiaen, and Carter. Topics include the changing role of the composer in society, relationships to literary and visual modernism, the evolution of musical technology, and the composer’s dialogues with vernacular music and other traditions.</td>
</tr>
<tr>
<td>MUSIC261</td>
<td>Theory and Practice of Tonal Music I</td>
<td>Diatonic harmony; two-part species counterpoint; introduction to classical form and composition of small forms; analysis of popular music and study of popular idioms; and aural skills including singing, dictation, keyboard harmony, and score reading.</td>
</tr>
<tr>
<td>MUSIC264S</td>
<td>Social Entrepreneurship and the Arts</td>
<td>Will identify and explore the power of the arts to affect positive social change, and train in creative social entrepreneurship. Will learn the fundamentals of nonprofit management, develop personal leadership skills, and create work products that will set them on their path as entrepreneurs and leaders in social change through the arts. Project includes building a company based on their innovative idea for social change in the arts by creating vision and mission statements, company core values, strategic plans, logic models, evaluation plans, marketing and fundraising plans, and a pitch-deck.</td>
</tr>
<tr>
<td>MUSIC273S</td>
<td>Introduction to Electronic Music Composition</td>
<td>Introduction to composing electronic music using variety of software such as Logic, ProTools, Ableton, Audacity, Max/MSP, SuperCollider, etc. Concepts covered include recording/editing/mixing; plugin FX; MIDI; sampling; synthesis, etc. Readings and listening assignments explore history of electronic music. Course relevant to wide array of student musical interests, from experimental to EDM.</td>
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<tr>
<td>Subject</td>
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<td>MUSIC</td>
<td>274S</td>
<td>MUSIC274S - Computer Music</td>
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<td>Description: Computer music composition with an emphasis on digital synthesis, sampling, and related technologies. Study of recent computer music repertory. Consent of instructor required.</td>
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<tr>
<td>MUSIC</td>
<td>281S</td>
<td>MUSIC281S - Composition Seminar - Transcribing and Arranging Music for Chamber Ensembles</td>
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<td>Description: This course is geared toward performers and composers who play chamber music or ensemble music. You will learn how to transcribe your favorite pieces (any style!) for chamber groups such as string quartet, woodwind quintet, piano trio, piano quartet, and other instrumental combinations. While the course is project-based, we will also study transcriptions by other musicians from the 19th through 21st centuries. Prerequisites: 1. Ability to play an instrument and read music fluently (treble and bass clef). 2. Participation in a Duke chamber music group or vocal ensemble is optimal but not required. 3. MUSIC 261 is excellent preparation but not required if you fulfill requirements 1 &amp; 2. 4. Available to meet with collaborating musicians outside of class.</td>
</tr>
<tr>
<td>MUSIC</td>
<td>281T</td>
<td>MUSIC281T - Composition I</td>
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<tr>
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<td>Same as Music 281S, in tutorial format. Composing original music in smaller forms for voice, piano, and other instruments. Studies in compositional techniques. Prerequisites: Music 261 and 361 or consent of instructor. Not open to students who have taken Music 281S.</td>
</tr>
<tr>
<td>MUSIC</td>
<td>285S</td>
<td>MUSIC285S - Critical Pedagogy of Hip Hop</td>
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<td>Description: This course examines the role of critical pedagogy in developing learning environments that engage and empower youth. Emphasis is placed on the context of Hip Hop as a foundation for instructional decision-making and social justice advocacy/activism. Students will explore the historical and socio-cultural foundations of education initiatives, teaching and learning strategies, federal and state mandates and educational policy issues that contribute to marginalization. Innovations, interdisciplinary collaboration and community programs designed to strengthen schools and communities will be highlighted.</td>
</tr>
</tbody>
</table>
MUSIC288S - Music as Biology
Subject: MUSIC
Catalog Number: 288S
Title: Music as Biology
Description:
The course will explore the tone combinations that humans consider consonant or dissonant, the scales we use, and the emotions music elicits, all of which provide a rich dataset for exploring music and auditory aesthetics in neurobiological terms. Analyses of speech and music indicate that the chromatic scale (the set of tones used by humans to create music), consonance and dissonance, worldwide preferences for a few dozen scales from the billions that are possible, and the emotions elicited by music in different cultures stem from the relative similarity of musical tonalities and the characteristics of voiced (tonal) speech. Our brains have evidently evolved to associate these two domains.

MUSIC289 - Music and the Brain
Subject: MUSIC
Catalog Number: 289
Title: Music and the Brain
Description:
Musical perception and performance from artistic, subjective and neuroscientific perspectives. Presentations/didactic musical performances address how our brain detects and represents music, distinguishing music from other sounds, how we learn to perform and create music, the effects of music on brain structure and function, musical schema, and musical antecedents and analogues in non-humans. Dialog between course directors, a professional musician and neuroscientist, highlights the intersection between artistic and scientific perspectives on this fundamental and aesthetic form of human expression. Music and/or neuroscience background preferred, but not required.

MUSIC290 - Special Topics in Music
Subject: MUSIC
Catalog Number: 290
Title: Special Topics in Music
Description:
Opportunities to engage with a specific issue in music.

MUSIC290A - Duke-Administered Study Abroad: Advanced Special Topics in Music
Subject: MUSIC
Catalog Number: 290A
Title: Duke-Administered Study Abroad: Advanced Special Topics in Music
Description:
Topics differ by section.

MUSIC290S - Special Topics in Music
Subject: MUSIC
Catalog Number: 290S
Title: Special Topics in Music
Description:
Opportunities to engage with a specific issue in music.

MUSIC290S-1 - Special Topics in Music History
Subject: MUSIC
Catalog Number: 290S-1
Title: Special Topics in Music History
Description:
Topics vary.

MUSIC290S-2 - Special Topics in Music Theory
Subject: MUSIC
Catalog Number: 290S-2
Title: Special Topics in Music Theory
Description:
Topics vary. Prerequisite: Music 361 or consent of instructor.

MUSIC290S-3 - Special Topics in Ethnomusicology
Subject: MUSIC
Catalog Number: 290S-3
Title: Special Topics in Ethnomusicology
Description:
Topics to be announced addressing a range of musical traditions from around the world.
MUSIC 290S - Special Topics in Jazz
Subject: MUSIC
Catalog Number: 290S-4
Title: Special Topics in Jazz
Description: Topics vary. Also taught as African & African American Studies 141S. Prerequisite: Music 140 or consent of instructor.

MUSIC 295S - Arts Entrepreneurship
Subject: MUSIC
Catalog Number: 295S
Title: Arts Entrepreneurship
Description: Student teams work on specific arts-based entrepreneurial projects. Teams comprised of students from different backgrounds (arts, engineering, economics, computer science). Goals include creating business plan and launching ventures in areas of the arts. Structure an adaptation of Fuqua Program for Entrepreneurs. Ideal projects have real/positive impact on society. Students learn to situate artistic creativity within projects that meet societal need. Students from any background welcome to apply for enrollment. Must have interest in arts or working with artists in entrepreneurial context. Admission by permission of instructors.

MUSIC 296S - Music Entrepreneurship
Subject: MUSIC
Catalog Number: 296S
Title: Music Entrepreneurship
Description: Music Entrepreneurship addresses, first and foremost, how to get your art out into the world. This course also explores strategies musicians can use to cultivate an audience and then how to monetize their art and earn an income as a musician. Prerequisites for the course are the ability to perform music (any style, instrument, or voice) and an interest in learning how to get your music out into the world.

MUSIC 305S - Writing about Performance
Subject: MUSIC
Catalog Number: 305S
Title: Writing about Performance
Description: Inquiry into the concept of 'performance' broadly construed—not only as it refers to 'staged' concerts or plays, but also as social ritual and as self-presentation, appropriately situated in cultural context. Writing experiments aimed at capturing the ephemeral nature of live performance, with attention to how meaning is enacted through movement, sound, lighting, rhythm, voice, emotion, and audience interaction. Regular writer’s workshops and field trips to theater, dance, and musical performances. Students compose critical reviews and a research project on a performance genre, an artist’s approach, or other related topic of their choosing. Prerequisite: Writing 101.

MUSIC 310S - Non-Profit Cultural Institutions
Subject: MUSIC
Catalog Number: 310S
Title: Non-Profit Cultural Institutions
Description: Non-profit cultural institutions are an integral part of arts communities at all levels: national, regional, local. Through readings, projects and service-learning, students gain overview of non-profit cultural organization formation, management, operational structures, governance challenges, board member responsibilities and situational ethics. Explores historical and present functions and social structures in which nonprofit tax-exempt organizations operate. Investigates how nonprofit cultural institutions have increasingly become a vehicle for fostering creativity in the arts and humanities. Students partner with local non-profit arts/cultural organizations to work on specific projects.

MUSIC 318 - Instrumental Conducting
Subject: MUSIC
Catalog Number: 318
Title: Instrumental Conducting
Description: Development of techniques of conducting instrumental ensembles with emphasis on orchestral repertoire. Score-reading and analysis, principles of interpretation, and practical conducting experience. Prerequisite: Music 361 and consent of instructor. Instructor consent required.
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<tr>
<th>Subject</th>
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<tr>
<td>MUSIC319</td>
<td>319</td>
<td>Choral Conducting</td>
<td>Development of techniques of conducting vocal repertoire, ranging from church anthems to large-scale works. Score-reading and analysis, principles of interpretation, and practical conducting experience. Prerequisite: Music 361 or consent of instructor. Instructor consent required.</td>
</tr>
<tr>
<td>MUSIC321</td>
<td>321</td>
<td>Sample &amp; Remix: Contemporary Cultural Production Across Arts &amp; Media</td>
<td>Sampling &amp; remixing of previous works is a major mode of contemporary cultural production cutting across media and cultural practices. This course analyzes its genealogy, technological underpinnings, legal presuppositions and aesthetic consequences. Tensions between copy and copyright, between claims to originality and mechanical reproduction characterize this contemporary regime, now deployed globally. Its cultural implications will be distinguished from related modes of making art and meaning (imitation, citation, collage, montage...) and tracked through various objects: popular and avant-garde cinema; videogames, ready-mades and Pop Art; Hip-Hop and Electro; literature and DJ culture.</td>
</tr>
<tr>
<td>MUSIC326S</td>
<td>326S</td>
<td>The Art of Performance</td>
<td>Fundamental issues in musical performance, examined through performing, comparative listening, readings, and discussion. In-class performance required. Prerequisites: Ability to read music and proficiency in instrumental or vocal performance. Consent of instructor required.</td>
</tr>
<tr>
<td>MUSIC335</td>
<td>335</td>
<td>The History of Hip-Hop</td>
<td>What began as a localized activity designed to provide a safe haven for Black and Latino youth in New York City, has become a global brand that has had a documented impact on the cultural, political and economic realities of youth throughout the globe. This course will examine the organic social and cultural foundations of hip-hop, as well as the key aesthetic innovators/innovations, and the debates that have arisen over hip-hop's increased influence.</td>
</tr>
<tr>
<td>MUSIC336</td>
<td>336</td>
<td>The Black Performance Tradition: Michael Jackson and Prince</td>
<td>Examines the Black Performance context that produced Jackson's singular creative genius within the realms of music, movement and politics, including the influence of Black vernacular practices like signifying and sampling, the network of Black social spaces known as the Chitlin' Circuit, the impact of Black migration patterns to urban spaces in the Midwest, and Black performance traditions including Blackface minstrelsy.</td>
</tr>
<tr>
<td>MUSIC337S</td>
<td>337S</td>
<td>Introduction to Hip-Hop Production</td>
<td>Introduction to Hip-Hop Production examines the history, background, functionality, and techniques of hip-hop production. This class will examine the art of sampling, borrowing, context, and practices in hip-hop production, while studying the history of beat machines and digital audio workstations.</td>
</tr>
</tbody>
</table>
MUSIC340SA - Performing Italy
Subject: MUSIC  
Catalog Number: 340SA  
Title: Performing Italy

Description:
Studies the role of the performing arts in Italian cultural and national identity (1600-1900). Navigates the intersections between performance and political histories. Studies the crossroads of personal and collective identity, issues of gender relations, factors of agency and exclusion, and the instruments of power that make performance possible. Readings and listenings include works by Monteverdi, Vivaldi, Puccini, Verdi, and others. Thematic units featured: the myth of opera, opera and empire, affect and history, women's musical education, gender and the 'femme fatale,' nationalism and the stage, and the performing arts today. Taught in English through the Duke in Bologna program.

MUSIC342 - Music for Dancers

Subject: MUSIC  
Catalog Number: 342  
Title: Music for Dancers

Description:
Exploration of the elements of music, music structures, and their relationship to movement and dance. Practical emphasis on rhythmic fundamentals, rhythm notation, musicality, mindful listening, and how they apply to choreography/composition and dance class. In-class movement, rhythm, and listening exercises, both solo and in groups, along with written and creative assignments, using drums, voice, body percussion and digital audio. The goal of this course is to provide musical training for dance/movement artists. Requirements: no musical training required to take the class, however, students should be able to create/choreograph/improvise movement phrases.

MUSIC361 - Theory and Practice of Tonal Music II

Subject: MUSIC  
Catalog Number: 361  
Title: Theory and Practice of Tonal Music II

Description:
Chromatic harmony including modulation; sequences and figuration; continuing study of classical form and analysis of popular music; composition of larger forms; and aural skills including singing, dictation, keyboard harmony, and score reading.

MUSIC366S - Versailles and the Arts

Subject: MUSIC  
Catalog Number: 366S  
Title: Versailles and the Arts

Description:
Taught in French, this course examines the political, cultural, and artistic history of Versailles in the 17th and 18th centuries, emphasizing its role in the history of music. It analyzes the ways in which the Sun-King achieved the unification and centralization of the French nation through certain artistic politics which likewise set the scene for musical institutions. This seminar therefore seeks to investigate how these artists' creations articulated evolving ideas around the court, the monarchy, the State, and the private and public spheres, while exploring their resonances in present art and literature.
MUSIC367S - Soundscapes of Migration: Music and Migration in Paris from the Interwar Years to the Present

**Subject**  MUSIC  
**Catalog Number**  367S  
**Title**  Soundscapes of Migration: Music and Migration in Paris from the Interwar Years to the Present

**Description**
This class studies migration through the prism of music, focusing on Paris as a node of networks of musical migration. It analyzes how the metropolis has been a site of musical encounters, as well as a recipient, catalyst, and disseminator of migrating musical practices. It studies music as a transnational and diasporic cultural process. Although our musical journey will be structured chronologically, its frontiers will encompass the soundscapes of the capital's peripheries. The range of music considered will be varied: from the Eastern European classical repertoire and African American Jazz to contemporary Rap, through Algerian Rai and Arab-Andalusian popular music. Taught in French.

MUSIC371 - Artists in Healthcare: Collaborations and Complexities

**Subject**  MUSIC  
**Catalog Number**  371  
**Title**  Artists in Healthcare: Collaborations and Complexities

**Description**
The economically over-burdened US health care system and extended life expectancies for older adults offer a unique opportunity for working artists—not arts therapists—to intervene in the rapidly expanding field of integrative art and health. Rather than study health outcomes as indicators of 'success,' we centralize creative practice as our axis of inquiry. Course readings, interviews, and field visits to a Durham-based intervention highlight power imbalances and cultural sensitivities in hospitals, clinical care, assisted living, and nonprofit community care contexts. Culminates in student driven case studies of local arts work and workarounds.

MUSIC381T - Composition II

**Subject**  MUSIC  
**Catalog Number**  381T  
**Title**  Composition II

**Description**
Same as Music 381S, in tutorial format. Individual lessons in compositional techniques. See Music 151 or 151A. Prerequisites: Music 261, 361, and 281S or 281T OR consent of instructor. Not open to students who have taken Music 381S.

MUSIC390 - Advanced Special Topics in Music

**Subject**  MUSIC  
**Catalog Number**  390  
**Title**  Advanced Special Topics in Music

**Description**
Opportunities to engage with a specific issue in music.

MUSIC390-1 - Special Topics in Interpretation and Performance

**Subject**  MUSIC  
**Catalog Number**  390-1  
**Title**  Special Topics in Interpretation and Performance

**Description**
Interpretative analysis of instrumental (piano, strings, winds) and vocal repertoire from baroque to modern composers. Participants expected to perform. Instructor consent required.

MUSIC390S-1 - Advanced Special Topics in Music

**Subject**  MUSIC  
**Catalog Number**  390S-1  
**Title**  Advanced Special Topics in Music

**Description**
Opportunities to engage with a specific issue in music.
### MUSIC390T - Special Music Topics Tutorial

**Subject**
MUSIC  

**Catalog Number**
390T  

**Title**
Special Music Topics Tutorial  

**Description**
Small group instruction on focused music topics. Topics vary each semester.

### MUSIC391 - Independent Study

**Subject**
MUSIC  

**Catalog Number**
391  

**Title**
Independent Study  

**Description**
Individual directed study in a field of special interest on previously approved topic, under the supervision of a faculty member, resulting in an academic or artistic product. Consent of instructor and the director of undergraduate studies required. May be repeated for credit.

### MUSIC393 - Research Independent Study

**Subject**
MUSIC  

**Catalog Number**
393  

**Title**
Research Independent Study  

**Description**
Individual research and/or theoretical analysis in a field of special interest, under the supervision of a faculty member, resulting in a substantial paper that contains significant analysis and interpretation of a previously approved topic. Consent of instructor and director of undergraduate studies required.

### MUSIC398S - Meeting the World Through Chamber Music

**Subject**
MUSIC  

**Catalog Number**
398S  

**Title**
Meeting the World Through Chamber Music  

**Description**
Meeting the World Through Chamber Music is designed for advanced study, collaborative performance and interpretation of 250 years of music; historical context study; understanding of interpretive choices. Topics covered: overtones in blend and tuning; rehearsal techniques; presenting introductions for mature concert-goers; Interactive Performances for school-aged audiences. Performances in the community and a final culmination recital. Community engagement at Fayetteville Elementary School, Durham; potential travel to an American Conservatory of Music. Instructor consent required, and recommended prerequisite or co-requisites: Music 211-2 and Music 204.

### MUSIC401 - Advanced Study in Musical Performance

**Subject**
MUSIC  

**Catalog Number**
401  

**Title**
Advanced Study in Musical Performance  

**Description**
Open only to sophomores, juniors, and seniors possessing an exceptional technical and interpretative command of a musical medium. Requires either a half-length recital at the end of each semester of study or a full-length recital at the end of the second semester. In the latter case, a brief performance before a jury of music department faculty is required at the end of the first semester. May be repeated for credit. Prerequisites: previous registration in private instruction in applied music at Duke, audition, and consent of instructor. Instructor consent required.

### MUSIC401-1 - Advanced Study in Vocal Music Performance

**Subject**
MUSIC  

**Catalog Number**
401-1  

**Title**
Advanced Study in Vocal Music Performance  

**Description**
Open only to sophomores, juniors, and seniors possessing an exceptional technical and interpretative command of a musical medium. Requires either a half-length recital at the end of each semester of study or a full-length recital at the end of the second semester. In the latter case, a brief performance before a jury of music department faculty is required at the end of the first semester. May be repeated for credit. Prerequisites: previous registration in private instruction in applied voice at Duke, audition, consent of instructor, and completion of or concurrent enrollment in Music 115S. Instructor consent required.
<table>
<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUSIC</td>
<td>418</td>
<td>Advanced Study in Conducting</td>
<td>Advanced work in reading scores, analysis, principles of interpretation, and practical conducting experience. May be repeated for credit. Prerequisite: Music 318 or 319 or consent of instructor.</td>
</tr>
<tr>
<td>MUSIC</td>
<td>420S</td>
<td>Music and The Black Radical Imagination</td>
<td>This seminar introduces students to key texts on histories and theories of Black radicalism, and spotlights the role of the imagination and creativity within modern Black political struggles. Building on the foundational scholarship of Cedric Robinson, Robin D. G. Kelley, and others, students will investigate how the philosophical and ideological foundations of the Black Radical Tradition have been nurtured and transmitted across time and space as culture. Special emphasis will be placed on the study of sound, music, and performance as manifestations of the Black radical imagination, from the era of Atlantic slavery to the contemporary Black Lives Matter Movement.</td>
</tr>
<tr>
<td>MUSIC</td>
<td>425S</td>
<td>Auditory Neuroscience - From Sound to Music</td>
<td>An exploration of how sound is processed in brain, providing an introduction to stages of information processing from ears to auditory cortex and beyond. Methods of data acquisition (e.g., fMRI, electrophysiology, psychoacoustics) are introduced along with their advantages and pitfalls. Sound and auditory perception are discussed, starting with basic properties such as frequency, loudness, pitch, and timbre, progressing to human speech and music. A textbook, primary research papers and scholarly reviews are assigned. An interest in all forms of sound and music and completion of Neuroscience 201 or Neuroscience 212 are strongly recommended.</td>
</tr>
<tr>
<td>MUSIC</td>
<td>430</td>
<td>Music History and Politics in Contemporary Africa</td>
<td>The objective of the course is to analyze the social, political and cultural dynamics of post-independence African states through the musical archive. The course will analyze the role that music has played in the construction of national identities in post-colonial African states, but also in social, political and cultural dynamics of contemporary Africa. From High-life in Ghana to Congolese rumba, Afrobeat in Nigeria, reggae, Hip Hop and Rai, it will show how music has accompanied societal and political evolutions of African nations. The course will think of music as a landscape and analyze the musical circulation, as a space for the constitution of African societal modernities. In English.</td>
</tr>
<tr>
<td>MUSIC</td>
<td>461</td>
<td>Theory and Practice of Tonal Music III</td>
<td>Tonal music using advanced chromaticism; analysis of larger classical forms and popular idioms; composition of large-scale instrumental forms, song forms, and projects modeling 19th and 20th century tonality; and aural skills including singing, dictation, keyboard harmony, and score reading.</td>
</tr>
<tr>
<td>MUSIC</td>
<td>463S</td>
<td>Theory and Practice of Post-Tonal Music</td>
<td>Analytical studies and compositions in various forms, techniques, and styles, with an emphasis on twentieth-century music. Prerequisite: Music 461 or consent of instructor.</td>
</tr>
</tbody>
</table>

Duke University
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUSIC465S</td>
<td>MUSIC</td>
<td>465S</td>
<td>Counterpoint</td>
<td>Polyphonic practice of the late baroque: writing of two- and three-part compositions in a variety of genres (baroque dances, inventions, preludes, fugues). Prerequisite: Music 461 or consent of instructor.</td>
</tr>
<tr>
<td>MUSIC481T</td>
<td>MUSIC</td>
<td>481T</td>
<td>Advanced Composition</td>
<td>Individual weekly sessions for advanced students. May be repeated for credit. Prerequisites: Music 281S and 381S or consent of instructor.</td>
</tr>
<tr>
<td>MUSIC490S</td>
<td>MUSIC</td>
<td>490S</td>
<td>Advanced Topics in Music</td>
<td>Primarily for junior and senior music majors. Topics to be announced. Prerequisites: Music 255S, 256S, 257, and 461.</td>
</tr>
<tr>
<td>MUSIC491</td>
<td>MUSIC</td>
<td>491</td>
<td>Independent Study</td>
<td>Individual directed study in a field of special interest on a previously approved topic, under the supervision of a faculty member, resulting in an academic or artistic product. Consent of instructor and the director of undergraduate studies required. May be repeated for credit.</td>
</tr>
<tr>
<td>MUSIC89S</td>
<td>MUSIC</td>
<td>89S</td>
<td>First-Year Seminar</td>
<td>Topics vary each semester offered.</td>
</tr>
<tr>
<td>NAVALSCI101</td>
<td>NAVALSCI</td>
<td>101</td>
<td>Introduction to Naval Science</td>
<td>Introduction to the organization, missions, and branches of specialization within the United States Navy and Marine Corps. Customs, traditions, leadership, career opportunities, and Naval and Marine Corps operations.</td>
</tr>
<tr>
<td>NAVALSCI111</td>
<td>NAVALSCI</td>
<td>111</td>
<td>Seapower and Maritime Affairs</td>
<td>This course is a conceptual study of the history and strategy of sea faring nations. The course examines the political and military impact of events from the birth of sea power in the Mediterranean, to the expansion through the Atlantic Ocean, and the spread of sea power to North America. It examines the development of strategy on the seas, and the impact on global economic forces. This course uses examples of military engagements on the seas from the American Revolution to the Global War on Terrorism and Operation Iraqi Freedom.</td>
</tr>
<tr>
<td>NAVALSCI189L</td>
<td>NAVALSCI</td>
<td>189L</td>
<td>First Year Naval Leadership Laboratory</td>
<td>Practical application of military discipline, leadership and management. Also provides general military training. Mandatory for first year Naval ROTC program students.</td>
</tr>
</tbody>
</table>
NAVALSCI213S - Evolution of Warfare

**Subject**
NAVALSCI

**Catalog Number**
213S

**Title**
Evolution of Warfare

**Description**
Continuity and change in the history of warfare, with attention to the interrelationship of social, political, technological, and military factors.

NAVALSCI215S - Amphibious Warfare

**Subject**
NAVALSCI

**Catalog Number**
215S

**Title**
Amphibious Warfare

**Description**
Development of amphibious doctrine, with attention to its current applications.

NAVALSCI223 - Naval Leadership and Management

**Subject**
NAVALSCI

**Catalog Number**
223

**Title**
Naval Leadership and Management

**Description**
Examination of current and classical leadership and management theories, as well as organizational behavior in the context of military organization. Topics include managerial functions, performance appraisal, motivation theories, group dynamics, leadership theories and communication.

NAVALSCI231 - Concepts and Analyses of Naval Tactical Systems

**Subject**
NAVALSCI

**Catalog Number**
231

**Title**
Concepts and Analyses of Naval Tactical Systems

**Description**
The study of weapons systems used aboard naval vessels and aircraft. Detection systems and systems integration into current naval platforms and their offensive and defensive capabilities.

NAVALSCI289L - Second Year Leadership Laboratory

**Subject**
NAVALSCI

**Catalog Number**
289L

**Title**
Second Year Leadership Laboratory

**Description**
Practical application of military discipline, leadership and management. Also provides general military training. Mandatory for second year Naval ROTC program students.

NAVALSCI331 - Naval Ship Systems

**Subject**
NAVALSCI

**Catalog Number**
331

**Title**
Naval Ship Systems

**Description**
Quantitative study of basic naval ships’ systems. Focus on detailed ship design, hydrodynamic forces, stability, propulsion, electrical theory and distribution, hydraulic theory, and damage control. Includes basic theory/design of various ship propulsion systems and case studies on leadership/ethical issues in the engineering arena.

NAVALSCI353 - Navigation

**Subject**
NAVALSCI

**Catalog Number**
353

**Title**
Navigation

**Description**
Theory, principles, and procedures of ship navigation, movements, and employment. Dead reckoning, piloting, celestial and electronic principles of navigation. Corequisite: Naval Science 353L.

NAVALSCI353L - Navigation Laboratory

**Subject**
NAVALSCI

**Catalog Number**
353L

**Title**
Navigation Laboratory

**Description**
Practical application of the theories and principles of navigation as presented in the lecture series.
### NAVALSCI389L - Third Year Naval Leadership Laboratory

<table>
<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>NAVALSCI</td>
<td>389L</td>
<td>Third Year Naval Leadership Laboratory</td>
</tr>
</tbody>
</table>

**Description**
Practical application of military discipline, leadership and management. Also provides general military training. Mandatory for third year Naval ROTC program students.

### NAVALSCI423S - Leadership and Ethics

<table>
<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>NAVALSCI</td>
<td>423S</td>
<td>Leadership and Ethics</td>
</tr>
</tbody>
</table>

**Description**
Capstone Course that examines principles of leadership and ethical decision-making through study and interactive discussion of classical and contemporary course documents and case studies. Coursework includes Constitutional Law, Natural Law Theory, as well as works by Kant, Mill, and Aristotle, among others.

### NAVALSCI453 - Naval Operations

<table>
<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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<tbody>
<tr>
<td>NAVALSCI</td>
<td>453</td>
<td>Naval Operations</td>
</tr>
</tbody>
</table>

**Description**
Components of general naval operations, including concepts and application of tactical formations and dispositions, relative motion, maneuvering board and tactical plots, rules of the road, and naval communications. Prerequisite: Naval Science 353 or consent of instructor.

### NAVALSCI489L - Fourth Year Naval Leadership Laboratory

<table>
<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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<tbody>
<tr>
<td>NAVALSCI</td>
<td>489L</td>
<td>Fourth Year Naval Leadership Laboratory</td>
</tr>
</tbody>
</table>

**Description**
Advanced practical application of military discipline, leadership and management. Also provides general military training.

### NEUROBIO393 - Research Independent Study

<table>
<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>NEUROBIO</td>
<td>393</td>
<td>Research Independent Study</td>
</tr>
</tbody>
</table>

**Description**
Individual research and reading of the primary literature in a field of special interest, under the supervision of a faculty member, the major product of which is a substantive paper or written report containing significant analysis and interpretation of a previously approved topic. Consent of instructor required.

### NEUROSCI101D - Biological Bases of Behavior: Introduction and Survey

<table>
<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>NEUROSCI</td>
<td>101D</td>
<td>Biological Bases of Behavior: Introduction and Survey</td>
</tr>
</tbody>
</table>

**Description**
An introduction to the methods, models, and reasoning that have led to discoveries about brain-behavior relations, and a critical evaluation of the current theories that guide our thinking about the neurobiology, development and evolution of sensory and cognitive processes, sleep, pain, emotion, hunger, and thirst as well as maternal and sexual behavior patterns. Recommended background: AP Biology or strong Biology background. Psychology 101 recommended for Psychology majors.
NEUROSCI102 - Biological Bases of Behavior (Team-Based Learning)

Subject: NEUROSCI
Catalog Number: 102
Title: Biological Bases of Behavior (Team-Based Learning)

Description
Introduction to neuroscience that explores methods, models, and reasoning that led to discoveries about brain-behavior relations. Students learn and apply concepts in neuroanatomy, neurophysiology, synaptic transmission, the somatic sensorimotor system, vision, emotions, attention & consciousness, memory & learning, sexual differentiation & orientation, and psychopathology. In-class experiences organized around principles of team-based learning, with students collaborating in small teams for readiness assessments and team applications. Course fulfills gateway requirement for Neuroscience major. First years are welcome.

NEUROSCI103L - Computing and the Brain

Subject: NEUROSCI
Catalog Number: 103L
Title: Computing and the Brain

Description
Introductory programming based on problems in neuroscience. Provides foundational skills for using computers to collect and analyze neuroscience data. Study of how computational processes are implemented by information-processing entities: both brains and computers. Python programming to generate sensory stimuli and collect/analyze behavioral and neural data. Scientific and Software Engineering best practices for conducting and verifying neuroscience experiments. Not open to students who have taken Computer Science 101. Prerequisite: Neuroscience 101/Psychology 106 or Neuroscience 102/Psychology 107.

NEUROSCI104L - Interdisciplinary Introduction to Computer Science

Subject: NEUROSCI
Catalog Number: 104L
Title: Interdisciplinary Introduction to Computer Science

Description
Introduction to the practices and principles of computer science and programming and their impact on and potential to change the world motivated by problems drawn from natural science, social science, engineering, and humanities. Programming using Python, appropriate libraries, and APIs to process, analyze, and visualize data. Design, implementation, and analysis emphasizing abstraction, encapsulation, and problem decomposition. No previous programming experience required.

NEUROSCI116FS - Neuroscience and Human Language

Subject: NEUROSCI
Catalog Number: 116FS
Title: Neuroscience and Human Language

Description
Same as Linguist 216S; open only to students in the Focus Program. Prerequisite: Advanced placement credit in Biology.
### NEUROSCI121FS - Sleep in Society: History, Culture, and Medicine

**Subject**  
NEUROSCI

**Catalog Number**  
121FS

**Title**  
Sleep in Society: History, Culture, and Medicine

**Description**

Exploration of sleep as it intersects anthropology, history, psychology, neurology, sociology, linguistics, and public policy. Topics range from normal sleep and circadian rhythms to the evolution of sleep and sleep habits around the world. Social determinants of sleep in the United States are considered. Students discuss racism and public policies in sleep health, the costs of massive societal sleep deprivation, the history and cultural narratives of dream interpretation, and principles of clinical sleep medicine. Open only to students in the Focus Program.

### NEUROSCI150 - Research Practicum

**Subject**  
NEUROSCI

**Catalog Number**  
150

**Title**  
Research Practicum

**Description**

Introduction to faculty-directed research, often preparing the student for independent study. Preliminary research activities include readings, regular research discussions, and, for some, data collection and analysis, as a means to explore the potential for the more formally planned and intensive Research Independent Study and the greater level of commitment required; does not obligate student or faculty to subsequent Research Independent Study. Instructor consent required. Satisfactory/unsatisfactory grading only.

### NEUROSCI153FS - Drugs and the Law

**Subject**  
NEUROSCI

**Catalog Number**  
153FS

**Title**  
Drugs and the Law

**Description**

Exploration of the relationship between addictive drugs and the law. Examine mechanisms by which drugs of abuse affect the brain and decision-making on the individual level, and consequences of those effects on the societal level, then examine how society responds to these behaviors in terms of attitudes and laws. Compare perspectives of the criminal justice system with that of drug users. Class consists of lectures, discussions, guest speakers, and media presentations and a project examining cross-generational views on drug use, abuse, and laws. Open only to students in the Focus Program. Instructor consent required.

### NEUROSCI190S - Special Topics in Neuroscience

**Subject**  
NEUROSCI

**Catalog Number**  
190S

**Title**  
Special Topics in Neuroscience

**Description**

Topics vary by semester.
NEUROSCI191FS - Intersections of the Sexual Brain
Subject: NEUROSCI  
Catalog Number: 191FS  
Title: Intersections of the Sexual Brain  
Description: Understanding how the human brain and environment interconnect evolved dramatically with recent advances in neuroscience research methods. Students analyze such interconnections and the impact on societal theories of human sexuality. Students assess influential factors such as ethnicity/race, culture, and religion, all diversely represented in contemporary America. Students read and discuss scientific and popular articles with historical context and explore the consequences of scientific observations on the personal, societal and political levels. Students develop written and oral communication skills and work collaboratively with fellow peers. Open only to Focus Program students.

NEUROSCI201 - Fundamentals of Neuroscience
Subject: NEUROSCI  
Catalog Number: 201  
Title: Fundamentals of Neuroscience  
Description: Course covers broad and rapidly evolving field of neuroscience encompassing questions about how humans and other animals experience their world. Learners explore the organization of neural systems that sense our environment, plan and execute complex movements, encode and retrieve memories, and experience a wide range of emotions. Learners examine brain development and how changes in structure and function underlie impacts of neurological and psychiatric disorders. Not recommended for first-year students. Prerequisite: Biology 20, 201L, 203L and Chemistry 20, 21,101DL, or 110DL or concurrent enrollment in Biology 201L, 202L, or 203L and concurrent enrollment in Chemistry 101DL or 110DL.

NEUROSCI202 - Medical Neuroscience: Foundations for the Neurological Sciences
Subject: NEUROSCI  
Catalog Number: 202  
Title: Medical Neuroscience: Foundations for the Neurological Sciences  
Description: Examines the functional organization and neurophysiology of the human central nervous system, with a neurobiological framework for understanding human behavior. Students learn the anatomy and function of neural systems in the brain and spinal cord that mediate sensation, motivate bodily action, and integrate sensorimotor signals with memory, emotion, and related cognitive faculties. Provides the foundation for neurological sciences, including understanding the impairments of sensation, action, and cognition that accompany injury, disease, or dysfunction in the human central nervous system. Prior completion of Neuroscience 101/Psychology 106 or Neuroscience 102/Psychology 107 strongly encouraged.

NEUROSCI211 - Brain and Behavior: Translating Neuroscience
Subject: NEUROSCI  
Catalog Number: 211  
Title: Brain and Behavior: Translating Neuroscience  
Description: This course will focus on how brain mechanisms enable behavior. We will examine the neural basis of homeostatic control, voluntary actions, motivation, emotion, and decision making. We will use systems analysis to elucidate how volition, intentionality, and purpose can be emergent properties of neuronal interactions. We will also explore how different neurological and psychiatric disorders can result from specific defects in hierarchical neural networks. Prerequisite (one of the following): Psychology 106/Neuroscience 101, Psychology 107/Neuroscience 102, Psychology 275/Neuroscience 201, or Psychology 193FS/Neurology 193FS/Neuroscience 193FS.
NEUROSCI217 - Introduction to Cognitive Neuroscience

**Subject**: NEUROSCI  
**Catalog Number**: 217  
**Title**: Introduction to Cognitive Neuroscience

**Description**  
The biological bases of higher brain function, including perception, attention, memory, language, emotion, executive functions and consciousness. Emphasis on human brain function at the macroscopic network-level, and the current theories and controversies in this rapidly growing field. Course is not recommended for first-years. Prerequisite (one of the following): Neuroscience 101 or 102/Psychology 106 or 107, or Psychology 102, or Psychology 275/Neuroscience 201/Biology 224, or Neurobiology 195FS/Neuroscience 195FS, or Neurobiology 193FS/Psychology 193FS/Neuroscience 193FS, or permission of instructor.

NEUROSCI217D - Introduction to Cognitive Neuroscience

**Subject**: NEUROSCI  
**Catalog Number**: 217D  
**Title**: Introduction to Cognitive Neuroscience

**Description**  
The biological bases of higher brain function, including perception, attention, memory, language, emotion, executive functions and consciousness. Emphasis on human brain function at the macroscopic network-level, and the current theories and controversies in this rapidly growing field. Course is not recommended for freshmen. Prerequisite: Neuroscience 101/Psychology 106 or Neuroscience 102/Psychology 107 or Psychology 102 or Neuroscience 201/Psychology 275/Biology 224 or Neurobiology 195FS/Neuroscience 195FS.

NEUROSCI223 - Cellular and Molecular Neurobiology

**Subject**: NEUROSCI  
**Catalog Number**: 223  
**Title**: Cellular and Molecular Neurobiology

**Description**  
This course will cover the molecular and cellular components underlying nervous system function. Topics include the regulation of the neuronal cytoskeleton, process outgrowth and axon guidance, transport mechanisms, the generation and propagation of the action potential, components of the presynaptic and postsynaptic terminals, growth factors in development and regeneration, neuronal stem cells, and sensory signal transduction. Lectures by the instructor and expert guests, with regular readings of current and/or historical primary literature. Recommended prerequisite: Biology 20, 21, 201L or 203L or equivalent, and Neuroscience 101/Psychology 106 or Neuroscience 102/Psychology 107.

NEUROSCI233 - Exploring Science and Religion

**Subject**: NEUROSCI  
**Catalog Number**: 233  
**Title**: Exploring Science and Religion

**Description**  
This Transformative Ideas course, geared to sophomore STEM majors, introduces the most pressing questions about science and religion. Core topics will include faith and reason; the origins of the universe; the existence of fine-tuning; evolution, randomness and design; the neuroscience of free will; the science of the soul; and science and morality. Other possible topics may include: recent theories of consciousness in psychology; the relationship between God and time; God and the epistemology of mathematics; religion and advances in AI; the neuroscience of religious experience; the possibility of miracles; and historical episodes in the development of science vis-à-vis religion.
NEUROSCI237 - Religion and Science
Subject: NEUROSCI  
Catalog Number: 237  
Title: Religion and Science  
Description: The diverse interactions of religion and science from the Renaissance to the present. The profound transformation of premodern science by seventeenth-century revolutions and nineteenth-century discoveries; in turn, the transformation of society, including religion, by modern science. Some consideration of physics and astronomy, but major focus on the impact of Darwinian anti-teleology and modern biology, especially animal studies, on 'natural theology' and traditional arguments from design. Thinkers to be considered include Francis Bacon, Montaigne, Spinoza, Thomas Huxley, Albert Einstein, and E. O. Wilson. Topics include evolution, human consciousness, human identity, and the human-animal boundary.

NEUROSCI237S - Religion and Science
Subject: NEUROSCI  
Catalog Number: 237S  
Title: Religion and Science  
Description: The diverse interactions of religion and science from the Renaissance to the present. The profound transformation of premodern science by seventeenth-century revolutions and nineteenth-century discoveries; in turn, the transformation of society, including religion, by modern science. Some consideration of physics and astronomy, but major focus on the impact of Darwinian anti-teleology and modern biology, especially animal studies, on 'natural theology' and traditional arguments from design. Thinkers to be considered include Francis Bacon, Montaigne, Spinoza, Thomas Huxley, Albert Einstein, and E. O. Wilson. Topics include evolution, human consciousness, human identity, and the human-animal boundary.

NEUROSCI241 - Flaubert's Brain: Neurohumanities
Subject: NEUROSCI  
Catalog Number: 241  
Title: Flaubert's Brain: Neurohumanities  
Description: Consideration of 'realist' fiction of Gustave Flaubert from social and cognitive neuroscience perspective. Investigation of implications of Flaubert's illustration of cognitive, affective, and somatic experiences of his characters, and his own experience, e.g. lapses of consciousness, convulsions, heightened emotions. Use of digital resources to chart emerging discourses and patterns in documentation of neuropathology, while attempting to define unique properties of fiction as literary 'technology', e.g. by consideration of realist mimesis as analogous to mapping and other technologies documenting brain function/dysfunction. A preceptorial may be available for French majors/minors.

NEUROSCI250 - Brains, Everywhere
Subject: NEUROSCI  
Catalog Number: 250  
Title: Brains, Everywhere  
Description: Over the last three decades we have witnessed the speedy rise of the 'neurosciences,' an historical event characterized by some 'neurocultures' and 'neuro-subjects.' In this course we will track this history and ask what change in meaning might 'neuro' effect in the disciplines that were previously 'neuro'-free. If there is a neuro-turn in the humanities and social sciences, what is it that's 'turning'? We will consider the centrality of brain research in these discussions to ask questions about the meaning of 'personhood/subjectivity,' 'human/post human,' 'mind/body,' 'self/ego,' and 'emotion/affect.'

NEUROSCI250S - Brains, Everywhere
Subject: NEUROSCI  
Catalog Number: 250S  
Title: Brains, Everywhere  
Description: Over the last three decades we have the witnessed the speedy rise of the 'neurosciences,' an historical event characterized by some as a 'neuro-revolution' that has given rise to a 'neuro-society,' 'neurocultures,' and 'neuro-subjects.' In this seminar we will track this history and ask what change in meaning might 'neuro' effect in the disciplines that were previously 'neuro'-free. If there is a neuro-turn in the humanities and social sciences, what is it that's 'turning'? We will consider the centrality of brain research in these discussions to ask questions about the meaning of 'personhood/subjectivity,' 'human/post human,' 'mind/body,' 'self/ego,' and 'emotion/affect.'

NEUROSCI252 - Philosophy and Neuroscience
Subject: NEUROSCI  
Catalog Number: 252  
Title: Philosophy and Neuroscience  
Description: Explores relevance of recent findings in neuroscience (and cognitive neuroscience) to traditional philosophical areas of inquiry. Also addresses philosophical issues regarding practice of neuroscience and relation to other disciplines/sciences. Possible topics include: epistemology of neuroscience data, relation between neuroscience/psychology, neurolinguistics, neuroethics, neural representations, neuroscience & consciousness.
### NEUROSCI258 - Decision Neuroscience

**Subject** | **Catalog Number** | **Title**  
------- | ------------------- | ---------  
NEUROSCI | 258                | Decision Neuroscience  

**Description**
How new research in neuroscience, cognitive psychology, and behavioral economics shapes our understanding of decision making. Topics include functional organization of key brain systems, approaches to measuring and interpreting neuroscience data, methods for measuring decision-making behavior, economic and cognitive modeling, and impact of neuroscience on real-world decision-making. Emerging topics will include applications in policy, marketing, and finance. Prior coursework in neuroscience or decision sciences is strongly recommended.

### NEUROSCI260 - Human Cognitive Evolution

**Subject** | **Catalog Number** | **Title**  
------- | ------------------- | ---------  
NEUROSCI | 260                | Human Cognitive Evolution  

**Description**
Survey of methods/theories used in the study of human cognitive evolution; development of cognition in children; brain damaged patients; cognitive abilities of great apes; paleoanthropology of early and modern humans and evidence for mental abilities and culture; cross-cultural and sex differences in human cognition; genetics and the evolution of cognition. Recommended prerequisite: Evolutionary Anthropology 101 or Psychology 102.

### NEUROSCI267 - Neuroethics

**Subject** | **Catalog Number** | **Title**  
------- | ------------------- | ---------  
NEUROSCI | 267                | Neuroethics  

**Description**
Focus on emerging ethical controversies concurrent with advances in neuroscience. Background material covered: concepts and methods in neuroscience; theories of ethics and morality from philosophy, law, and other fields. Ethical topics covered: biological bases of morality; emotions and decision making; neuroeconomics and neuromarketing; pathologies of mind and behavior; volition and legal culpability. Course format: combined lectures, discussion, interactive activities, with case studies and real-world examples (e.g., neuroimaging as legal evidence). Prior coursework in neuroscience and/or ethical inquiry recommended.

### NEUROSCI268 - Mechanisms of Animal Behavior

**Subject** | **Catalog Number** | **Title**  
------- | ------------------- | ---------  
NEUROSCI | 268                | Mechanisms of Animal Behavior  

**Description**
Survey of causal factors underlying the expression of animal behavior, organized around common problems organisms need to solve, such as finding food, avoiding predation, determining when and with whom to reproduce, communicating with other organisms, and extracting information from the environment. These factors are examined from an integrative perspective that includes neurobiology, endocrinology, sensory physiology, genetics, developmental biology, and functional morphology. Prerequisite: Biology 202L, 202LA, or 203L.

### NEUROSCI268D - Mechanisms of Animal Behavior

**Subject** | **Catalog Number** | **Title**  
------- | ------------------- | ---------  
NEUROSCI | 268D               | Mechanisms of Animal Behavior  

**Description**
Survey of causal factors underlying the expression of animal behavior, organized around common problems organisms need to solve, such as finding food, avoiding predation, determining when and with whom to reproduce, communicating with other organisms, and extracting information from the environment. These factors are examined from an integrative perspective that includes neurobiology, endocrinology, sensory physiology, genetics, developmental biology, and functional morphology. Prerequisite: Biology 202L, 202LA, or 203L.

### NEUROSCI274S - Aristotle and Neuroscience

**Subject** | **Catalog Number** | **Title**  
------- | ------------------- | ---------  
NEUROSCI | 274S               | Aristotle and Neuroscience  

**Description**
Explores the relevance of Aristotle’s thought, especially his treatise ‘On the Soul,’ to understanding the research projects and foundations of cognitive psychology and neuroscience and the relationship between them. Brings Aristotle into dialogue with modern scholarship. Topics include: the use of hylomorphism and functionalism; the nature of perception, representation (including knowledge and belief), memory, emotion, and pain; desire, intentionality, and the relationship of perception to action; consciousness; folk psychology, inference, and explanatory reduction; the self; and moral psychology. Prior knowledge of Aristotelian philosophy or neuroscience is not required.
NEUROSCI277 - Looking Inside the Disordered Brain

Subject: NEUROSCI  
Catalog Number: 277  
Title: Looking Inside the Disordered Brain

Description:
What brain circuits give rise to the dazzling diversity of human behavior, and how do even subtle disturbances within these circuits lead to abnormal behavior or psychopathology? This course provides students with a working knowledge of the brain circuits that create order in our social, emotional and cognitive worlds, and how disorder within these circuits leads to a broad range of psychopathology including depression, anxiety, phobias, PTSD, OCD, addiction, autism, schizophrenia, psychopathy and violence. Prerequisite: Psychology 106/Neuroscience 101 or Psychology 107/Neuroscience 102.

NEUROSCI278 - Sex/Gender - Nature/Nurture: Intersections of Biology and Society

Subject: NEUROSCI  
Catalog Number: 278  
Title: Sex/Gender - Nature/Nurture: Intersections of Biology and Society

Description:
Debates about sexuality, sex, and gender hinge on radically different ideas about relative effects of biological forces vs. social forces, or nature vs. nurture. Course changes terms of arguments about sexuality and gender and nature/nurture. Explores how nature/nurture emerged as scientific and popular debate. Evaluates new developments in science and cultural fields that are now reconsidering how biology and environments interact. Showcases debates about how sex and sexuality are formed through interplay of genetic information, hormones, material bodies, and social environments.

NEUROSCI282 - Neuroscience of Movement and Athletic Performance

Subject: NEUROSCI  
Catalog Number: 282  
Title: Neuroscience of Movement and Athletic Performance

Description:
Addresses neurobiology of movement, sports and other forms of physical performance at a variety of levels, from biochemical and physiological to cognitive and behavioral. Starting with neurophysiology of muscle development and movement and progressing through use of imagery and cognitive training, we will discuss the variety of neurobiological processes involved in athletic performance, as well as methods used to study these processes. Explores neuromuscular diseases, injuries and dysfunctions as well as use of exercise and movement as therapy for neuromuscular and non-neuromuscular disorders. Prerequisite: Neuroscience 101/Psychology 106 or Neuroscience 102/Psychology 107.

NEUROSCI288S - Music as Biology

Subject: NEUROSCI  
Catalog Number: 288S  
Title: Music as Biology

Description:
The course will explore the tone combinations that humans consider consonant or dissonant, the scales we use, and the emotions music elicits, all of which provide a rich dataset for exploring music and auditory aesthetics in neurobiological terms. Analyses of speech and music indicate that the chromatic scale (the set of tones used by humans to create music), consonance and dissonance, worldwide preferences for a few dozen scales from the billions that are possible, and the emotions elicited by music in different cultures stem from the relative similarity of musical tonalities and the characteristics of voiced (tonal) speech. Our brains have evidently evolved to associate these two domains.
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<tr>
<td>NEUROSCI</td>
<td>289</td>
<td>Music and the Brain</td>
<td>Musical perception and performance from artistic, subjective and neuroscientific perspectives. Presentations/didactic musical performances address how our brain detects and represents music, distinguishing music from other sounds, how we learn to perform and create music, the effects of music on brain structure and function, musical schema, and musical antecedents and analogues in non-humans. Dialog between course directors, a professional musician and neuroscientist, highlights the intersection between artistic and scientific perspectives on this fundamental and aesthetic form of human expression. Music and/or neuroscience background preferred, but not required.</td>
</tr>
<tr>
<td>NEUROSCI</td>
<td>290</td>
<td>Special Topics in Neuroscience</td>
<td>Topics vary by semester.</td>
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<tr>
<td>NEUROSCI</td>
<td>290-1</td>
<td>Topics in Literature and Neuroscience</td>
<td>Focus on the intersection of literature, culture and neuroscience. Topics vary. Taught in English with French preceptorial available.</td>
</tr>
<tr>
<td>NEUROSCI</td>
<td>290A</td>
<td>Duke Administered Study Abroad: Special Topics in Neuroscience</td>
<td>Topics vary by semester.</td>
</tr>
<tr>
<td>NEUROSCI</td>
<td>290S</td>
<td>Special Topics in Neuroscience</td>
<td>Topics vary by semester.</td>
</tr>
<tr>
<td>NEUROSCI</td>
<td>301L</td>
<td>Bioelectricity (AC or GE)</td>
<td>The electrophysiology of excitable cells from a quantitative perspective. Topics include the ionic basis of action potentials, the Hodgkin-Huxley model, impulse propagation, source-field relationships, and an introduction to functional electrical stimulation. Prerequisite: Biomedical Engineering 244L and 260L and Mathematics 353 and (Biomedical Engineering 253L or Electrical and Computer Engineering 110L).</td>
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<tr>
<td>Subject</td>
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<tr>
<td>NEUROSCI</td>
<td>333S</td>
<td>Neuroscience and Nutrition</td>
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</table>

**Description**

Interdisciplinary course examining neurobiological mechanisms and nutrition. Students learn how nutrients and eating behaviors promote brain health and wellness. Students will differentiate foods grown on smaller farms versus those produced for grocery stores. They will study nutrition labels, fad diets, and public resources for nutrition information. Applied learning includes cooking healthy meals and engagement in the Durham community. Co-taught by faculty in Psychology & Neuroscience and Community and Family Medicine using team-based learning. Prerequisite: Neuroscience 101/Psychology 106 or Neuroscience 102/Psychology 107.

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<tr>
<td>NEUROSCI</td>
<td>350</td>
<td>Pharmacology: Drug Actions and Reactions</td>
</tr>
</tbody>
</table>

**Description**

Mechanisms of drug action, concepts of drug toxicity, resistance, tolerance, and drug interactions. Examples of how drugs affect the autonomic and central nervous systems, the cardiovascular and endocrine systems, and how drugs treat infection and cancer. This course is designed for both science and nonscience majors, but preference will be given to junior biology majors concentrating in pharmacology. Recommended prerequisite: introductory biology (Biology 201L, 203L, or equivalent) and chemistry (Chemistry 101DL or 110DL).

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<tr>
<td>NEUROSCI</td>
<td>352S</td>
<td>Social and Affective Neuroscience</td>
</tr>
</tbody>
</table>

**Description**

Understanding how individual, interpersonal, and intergroup behaviors are processed in the brain. Topics include neuroscience of self- and group identity, self-regulation, social and affective communication, stereotyping, pro- and anti-social behavior, power motivation, group cooperation and competition, and cultural differences in emotion processing. Prerequisite: Psychology 106/Neuroscience 101 or Neuroscience 102/Psychology 107.

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<tr>
<td>NEUROSCI</td>
<td>353S</td>
<td>Neuroplasticity and Disease: Molecules, Cells, and Circuits</td>
</tr>
</tbody>
</table>

**Description**

Explore the cellular and molecular mechanisms in diverse neurological disorders, with an emphasis on understanding how disruptions of neural circuits drive behavioral and cognitive dysfunction. Students critically evaluate primary literature on topics including Alzheimer's disease, Parkinson's disease, ALS, autism spectrum disorders, intellectual disabilities, and traumatic brain injuries. Classes utilize a combination of lectures, invited guest speakers, and team-based learning exercises to create a highly interactive learning environment. Prerequisite/Corequisite: Neuroscience 201/Psychology 275/Biology 224 or Neuroscience 202 or Neuroscience 223/Biology 223.
NEUROSCI355S - Visual Perception and the Brain

Subject: NEUROSCI  
Catalog Number: 355S  
Title: Visual Perception and the Brain

Description: Course explores how what we see is generated by the visual system. Students learn how the visual system links stimulus patterns with reproductive success without ever recovering real-world properties and without invoking feature detection, image representation in the brain, and probabilistic inference. Course considers in broader terms the relationship between the objective world and subjective human experience. Course delivered in flipped format with all lectures assigned as videos and class time devoted entirely to discussion of papers, problems and different perspectives on how the visual brain operates.

NEUROSCI356S - Educational Neuroscience

Subject: NEUROSCI  
Catalog Number: 356S  
Title: Educational Neuroscience

Description: Introduction to an emerging field of educational neuroscience. Discussion on how understanding brain development and cognitive development can benefit practices in education. Readings are primary journal articles drawn from fields of cognitive neuroscience and education. Prior coursework in developmental psychology, education, or neuroscience recommended. Prerequisite: Psychology 102 or Psychology 106/Neuroscience 101 or Psychology 107/Neuroscience 102.

NEUROSCI360 - Drugs, Brain, and Behavior

Subject: NEUROSCI  
Catalog Number: 360  
Title: Drugs, Brain, and Behavior

Description: Mechanisms by which psychoactive drugs act. Changes that occur with chronic use of drugs; drug abuse and dependence. Social and legal implications of psychoactive drugs. Designed for both science and nonscience majors. Emphasis on the reasoning, research designs, and methods for understanding drug effects. Prerequisite: introductory biology (Biology 25L) and chemistry (Chemistry 11L, 12L).

NEUROSCI362S - Psychedelics and Other Illegal Psychoactive Drugs as Medicines

Subject: NEUROSCI  
Catalog Number: 362S  
Title: Psychedelics and Other Illegal Psychoactive Drugs as Medicines

Description: Neuroscience and potential clinical use of Cannabis, Ecstasy (MDMA) and psychedelic substances (e.g., psilocybin). Learn what these drugs do in the brain and how they do it. Course covers basic science evidence about potential physiological benefits, current trends in pharmaceutical development, and clinical trial evidence supporting applications of these formerly stigmatized drugs. Outside speakers address the FDA process, therapeutic use of psychoactive drugs, and the legislative process. Prior completion of Neuroscience 101/Psychology 106 or Neuroscience 102/Psychology 107 strongly encouraged.
NEUROSCI363 - Behavior and Neurochemistry

Subject: NEUROSCI
Catalog Number: 363
Title: Behavior and Neurochemistry

Description:
The role of brain chemicals (neurotransmitters, peptides, and hormones) in behavior. Hypotheses addressing the neurobiology of mental disorders and how they can be treated by pharmacological intervention. Emphasis on the development and critical evaluation of pharmacological models of brain function using mathematical and/or deductive/inductive models of reasoning and experimentation. Recommended prerequisite: Psychology 106 or 107/Neuroscience 101 or 102.

NEUROSCI366S - Behavioral Neuroendocrinology

Subject: NEUROSCI
Catalog Number: 366S
Title: Behavioral Neuroendocrinology

Description:
The neurobiological mechanisms of hormone-brain-behavior interaction through an examination of empirical research and textbook readings. Topics include neuroendocrine systems, hormone cell signaling and physiology, neurodevelopment and sexual differentiation, sex differences in social behaviors across species (parenting and mating), stress response systems, hormone-related mood disorders; with consideration of ethical issues. Research paper required. Strong emphasis on neurobiology. Prerequisite: Psychology 106/Neuroscience 101 or Psychology 107/Neuroscience 102. Recommended prerequisite: background knowledge gained from additional courses in neuroscience, psychology, biology, or evolutionary anthropology.

NEUROSCI373 - Behavioral Neuroimmunology: Brain and Behavior in Health and Disease

Subject: NEUROSCI
Catalog Number: 373
Title: Behavioral Neuroimmunology: Brain and Behavior in Health and Disease

Description:
An exploration of the interactions among the nervous, immune, and endocrine systems, and their consequences for neural function and behavior, using examples from both the human and animal literatures. Topics include the role of the immune system in cognition and emotions, neuroendocrine-immune interactions during stress, and the effects of stress on health and disease. The potential role of infections in the etiology of psychopathology (autism, schizophrenia) and neurodegenerative conditions (Parkinson’s, Alzheimer’s) will also be discussed. Recommended prerequisite: one of the following: Psychology 106/Neuroscience 101, Psychology 275/Biology 224/Neuroscience 201, Biology 101L, or equivalent.

NEUROSCI376 - Contemporary Neuroscience Methods

Subject: NEUROSCI
Catalog Number: 376
Title: Contemporary Neuroscience Methods

Description:
Explore the wide spectrum of methods commonly used in the field of neuroscience, ranging from molecular/genetic to electrophysiology and whole-brain imaging. Multiple units of this team-based learning course will include interaction with a scientist currently practicing the technique. Prerequisite: Neuroscience 101/Psychology 106 or Neuroscience 102/Psychology 107.
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<tr>
<td>NEUROSCI</td>
<td>378L</td>
<td>Perception and the Brain</td>
<td>Explores capacities and limitations of human sensory systems. How the sense organs detect objects and events and what brains then do with that information. Concentrates primarily on the visual system, with some forays into other sensory modalities. Prerequisites: Psychology 102 or 106/107/Neuroscience 101/102. Prior course in statistics is strongly recommended.</td>
</tr>
<tr>
<td>NEUROSCI</td>
<td>379L</td>
<td>Comparative Neuroanatomy</td>
<td>For advanced undergraduate students in the brain-related sciences who want to acquire an in-depth understanding of vertebrate neuroanatomy. Course focused on the primate central nervous system, with aspects of brain organization in rodents and other vertebrates presented throughout the semester. Reading assignments include book chapters, videos, and selected research articles. Grades are based on exams and periodic quizzes that test understanding of material in lectures and reading assignments. Prerequisite: Neuroscience 101/Neuroscience 102/Psychology 101.</td>
</tr>
<tr>
<td>NEUROSCI</td>
<td>380L</td>
<td>Functional Anatomy of the Human Brain</td>
<td>Functional anatomy of the human brain and spinal cord with team-based learning approaches and laboratory-based discovery. Hands-on examination of human specimens with guided explorations of external and internal brain structures and dissections to facilitate discovery. Extensive use of interactive digital media to explore CNS anatomy and the organization of the major neural systems underlying sensory, motor and cognitive function. Analysis of actual clinical cases representing a variety of neurological disorders. Consideration of brain evolution and comparative neuroanatomy. Prior completion of Neuroscience 101/102 or 201 or Evolutionary Anthropology 101 highly recommended.</td>
</tr>
<tr>
<td>NEUROSCI</td>
<td>381LA</td>
<td>Sensory Physiology and Behavior of Marine Animals</td>
<td>Sensory physiological principles with emphasis on visual and chemical cues. Laboratories will use behavior to measure physiological processes. Taught in Beaufort at Duke Marine Lab. Prerequisite: AP Biology or introductory biology or consent of instructor and Chemistry 101DL.</td>
</tr>
</tbody>
</table>
NEUROSCI382L - Functional Neuroimaging

Subject: NEUROSCI
Catalog Number: 382L
Title: Functional Neuroimaging

Description:
Overview of use of functional magnetic resonance imaging (fMRI) in the investigation of human sensory, motor, and cognitive function. Topics will include fMRI to study human brain systems involved with movement, sensation, perception, and memory. Students will design and execute a neuroimaging experiment. Prior course in Statistics is strongly recommended. Consent of instructor required.

NEUROSCI383L - Brain Waves and Cognition

Subject: NEUROSCI
Catalog Number: 383L
Title: Brain Waves and Cognition

Description:
Combined lecture/lab course on the event-related potential (ERP) method and its use in cognitive neuroscience. ERPs, which are electrical brain waves triggered by sensory and cognitive events, provide a powerful means to noninvasively study the timing and sequence of the neural activity underlying cognitive processes in humans. The course covers how ERPs are generated, recorded, and analyzed, and how they are used to study cognitive processes. Students gain substantial hands-on experience in the context of performing a group cognitive neuroscience experiment. Recommended: previous courses in neuroscience/psychology, proficiency with computers, sophomore or higher status.

NEUROSCI385L - Integrative Neuroscience Laboratory

Subject: NEUROSCI
Catalog Number: 385L
Title: Integrative Neuroscience Laboratory

Description:
Gain skills necessary to conduct neuroscience research and integrate findings from multiple levels of analysis (molecular, cellular and behavioral). Team-based learning format and collaboration with neuroscience lab to generate, analyze, and communicate novel scientific findings. Experimentation will occur in a model organism and may include PCR, live cell imaging and/or behavioral conditioning experiments.

NEUROSCI388L - Experiments in Animal Models of Human Neurodegenerative Disease

Subject: NEUROSCI
Catalog Number: 388L
Title: Experiments in Animal Models of Human Neurodegenerative Disease

Description:
This course will bring students into a basic research setting to directly contribute to our understanding of the molecular and cellular underpinnings of neurodegenerative disease. Classic experimental approaches in the lab (fruit fly genetics, molecular techniques, dissection, immunocytochemistry, microscopy) will be paired with short lectures, literature-based discussions, and data presentations. Students should, through firsthand experience, gain an appreciation for 1) the life cycle of basic research, 2) the utility, challenges, and caveats of various approaches to understanding disease, and 3) the elegance and relevance of gene and cell function across organisms. Recommended prerequisite: Biology 201L or 203L.
NEUROSCI388LS - Experiments in Animal Models of Human Neurodegenerative Disease

Description
This course will bring students into a basic research setting to directly contribute to our understanding of the molecular and cellular underpinnings of neurodegenerative disease. Classic experimental approaches in the lab (fruit fly genetics, molecular techniques, dissection, immunocytochemistry, microscopy) will be paired with short lectures, literature-based discussions, and data presentations. Students should, through firsthand experience, gain an appreciation for 1) the life cycle of basic research, 2) the utility, challenges, and caveats of various approaches to understanding disease, and 3) the elegance and relevance of gene and cell function across organisms. Recommended prerequisite: Biology 201L or 203L.

NEUROSCI390 - Special Topics in Neuroscience

Description
Topics vary by semester.

NEUROSCI390S - Special Topics in Neuroscience

Description
Topics vary by semester. Instructor consent required to assure sufficient background knowledge.

NEUROSCI391 - Neuroscience Independent Scholarship 1: Advanced Topics

Description
Readings, discussion, and synthesis of knowledge in a domain of special interest, under the supervision of a Neuroscience faculty member, through weekly meetings. Students produce a substantive, deliverable product by the end of the term that could be a written paper, a multimedia project, a website, an exhibition or performance, or some other original scholarly work that results from multiple iterations of draft, review, incorporation of feedback, and re-synthesis. Intended for students interested in exploring in depth specific topics not covered or only introduced in regularly available Neuroscience courses. Consent from the director of undergraduate studies is required.
NEUROSCI392 - Neuroscience Independent Scholarship 2: Advanced Topics

Subject: NEUROSCI  
Catalog Number: 392  
Title: Neuroscience Independent Scholarship 2: Advanced Topics

Description: Second course, to follow Neuroscience 391, on readings, weekly discussion, and synthesis of knowledge in a domain of special interest, under the supervision of a Neuroscience faculty member. Students produce a substantive, deliverable product that could be a written paper, multimedia project, website, exhibition or performance, or some other original scholarly work that results from multiple iterations of draft, review, incorporation of feedback, and re-synthesis. Intended for students interested in exploring in depth specific topics not covered or only introduced in regularly available Neuroscience courses. Consent of the director of undergraduate studies required. Prerequisite: Neuroscience 391.

NEUROSCI413 - Language and Aging

Subject: NEUROSCI  
Catalog Number: 413  
Title: Language and Aging

Description: This course will examine language acquisition, maintenance and loss across the life cycle. Research will include experiments and data collection with healthy subjects and in pathology (including different aphasias and dementias). Special foci include cognitive neurolinguistic approaches to understanding acquisition and maintenance of languages (first, second, third, etc.) across different age groups, bi- and multilingualism in aging, hypotheses about cognitive reserve, use of imaging in understanding languages in the healthy and pathological brain, and developing new protocols for future research.

NEUROSCI421S - Biology of Nervous System Diseases

Subject: NEUROSCI  
Catalog Number: 421S  
Title: Biology of Nervous System Diseases

Description: Primary literature investigating the underlying molecular and cellular mechanisms of nervous system disorders such as neurodegenerative diseases (Alzheimer's, Parkinson's, Huntington's), mental illness, and epilepsy. Prerequisite: Neuroscience 201 or 223 or Biology 220 or consent of instructor.

NEUROSCI425S - Auditory Neuroscience - From Sound to Music

Subject: NEUROSCI  
Catalog Number: 425S  
Title: Auditory Neuroscience - From Sound to Music

Description: An exploration of how sound is processed in brain, providing an introduction to stages of information processing from ears to auditory cortex and beyond. Methods of data acquisition (e.g., fMRI, electrophysiology, psychoacoustics) are introduced along with their advantages and pitfalls. Sound and auditory perception are discussed, starting with basic properties such as frequency, loudness, pitch, and timbre, progressing to human speech and music. A textbook, primary research papers and scholarly reviews are assigned. An interest in all forms of sound and music and completion of Neuroscience 201 or Neuroscience 212 are strongly recommended.
NEUROSCI427S - Current Topics in Sensory Biology

Subject: NEUROSCI  
Catalog Number: 427S  
Title: Current Topics in Sensory Biology  
Description: Exploration of recent and classic studies in sensory biology. Actual topics are chosen by students at the start of the semester. Usually includes vision, hearing, smell, taste, pheromones, electroreception, magnetoreception, bioluminescence, touch, time, and music. Recommended prerequisite: Biology 201L, or 201L and 202L, or 203L or the equivalent, and one course in Neuroscience, or consent of instructor.

NEUROSCI438AS - Neuroscience and Multilingualism

Subject: NEUROSCI  
Catalog Number: 438AS  
Title: Neuroscience and Multilingualism  
Description: In-depth analysis of PET, fMRI, MEG, EEG/ERP studies of multilingualism and their implications for linguistic theory. A close examination of the neuroanatomical and neurophysiological aspects of imaging studies and the importance of neurofunctional explanations play a central role in building new theoretical paradigms of acquisition, maintenance and loss of languages. Offered through Duke in Russia program. Instructor consent required.

NEUROSCI439S - Neuroscience and Multilingualism

Subject: NEUROSCI  
Catalog Number: 439S  
Title: Neuroscience and Multilingualism  
Description: In-depth analysis of PET, fMRI, MEG, EEG/ERP studies of multilingualism and their implications for linguistic theory. A close examination of the neuroanatomical and neurophysiological aspects of imaging studies and the importance of neurofunctional explanations play a central role in building new theoretical paradigms of acquisition, maintenance and loss of languages.

NEUROSCI444S - Neuroscience Service Learning: Brain Connections

Subject: NEUROSCI  
Catalog Number: 444S  
Title: Neuroscience Service Learning: Brain Connections  
Description: Learn major scientific discoveries and technological advances in psychology, biology, and neurology that shaped contemporary neuroscience and society. Discuss early and recent works ranging from popular media to scientific journals online and in-class. Improve written communication through self-reflection and weekly feedback from instructor and peers. Develop and assess neuroscience demonstrations in team environment for engaging local communities. Prerequisites: strong competency in foundational knowledge of neuroscience - successful completion of Neuroscience 101 and TWO of the following core courses: Neuroscience 201, 211, 212 or 223 (concurrent enrollment in 2nd core course acceptable).
NEUROSCI450 - Second Language Acquisition and Research

Subject: NEUROSCI
Catalog Number: 450
Title: Second Language Acquisition and Research

Description:
Addresses historical and current perspectives on second language acquisition. SLA is the study of processes that contribute to learning a language other than the first language. The course will focus on linguistic, cognitive, and sociocultural processes that contribute to the acquisition of the L2. Research methodologies, neuroimaging, and data interpretation will be emphasized. Recommended prerequisite (for Neuroscience majors): Neuroscience 101 or 102.

NEUROSCI451S - Autobiographical Memory

Subject: NEUROSCI
Catalog Number: 451S
Title: Autobiographical Memory

Description:
A review and critical analysis of the literature, theory, and empirical study of autobiographical memory within cognitive psychology and neuroscience. Levels of analysis from the cultural, individual, neural systems, and neurobiological are integrated. Topics include accuracy, functions including planning for future actions, and effects of neural damage. Emphasis on the reasoning, research designs, and methods used in examining autobiographical memory. Research projects use primary and secondary materials, empirical observations, or reanalysis of existing data.

NEUROSCI461S - Neurobiology of Learning and Memory

Subject: NEUROSCI
Catalog Number: 461S
Title: Neurobiology of Learning and Memory

Description:
An active, team-based learning seminar addressing the neurobiological mechanisms of learning and memory. Focusing on the cellular basis of information encoding and retrieval, this course enables you to evaluate contemporary findings, design experiments and synthesize and communicate conclusions. Prerequisite: Psychology 257, 275, 276 or Biology 223/Neuroscience 223 or permission of instructor.

NEUROSCI469S - Cognitive Control and the Prefrontal Cortex

Subject: NEUROSCI
Catalog Number: 469S
Title: Cognitive Control and the Prefrontal Cortex

Description:
Review and critical analysis of current and historical perspectives on functional neuroanatomy of the prefrontal cortex. Discussion is informed by anatomical, neuropsychological, neurological, neuroimaging, animal models, and computational approaches. Open to juniors and seniors majoring in Psychology or Neuroscience, and to graduate students. Instructor consent required.
NEUROSCI470S - Cognitive Neuroscience of Memory

Subject: NEUROSCI  
Catalog Number: 470S  
Title: Cognitive Neuroscience of Memory

Description
Research on the neural correlates of memory in humans. Neuropsychological studies with brain-damaged patients and functional neuroimaging studies with healthy individuals. Cognitive neuroscience models of memory, including episodic memory, working memory, semantic memory, priming, and procedural memory. Prerequisite: Psychology 102 or Psychology 106/Neuroscience 101 or Psychology 107/Neuroscience 102.

NEUROSCI478S - Motivation, Action, Choice: Neural and Behavioral Mechanisms

Subject: NEUROSCI  
Catalog Number: 478S  
Title: Motivation, Action, Choice: Neural and Behavioral Mechanisms

Description
Behavioral analysis and neural mechanisms underlying goal-directed and voluntary actions, how they are driven by needs and desires of the organism and controlled by cognitive processes that provide a rich representation of self and world. Discussion of models of behavioral and cognitive control and their neural mechanisms and implications of such models for psychiatric disorders, consciousness, free will, and responsibility. Participation in class discussion and short weekly writing assignments required. Prerequisites: Exploring the Mind courses or Prerequisite: Neuroscience 101/Psychology 106 or Neuroscience 102/Psychology 107 and at least one other psychology or neuroscience class.

NEUROSCI490S - Special Topics in Neuroscience

Subject: NEUROSCI  
Catalog Number: 490S  
Title: Special Topics in Neuroscience

Description
Topics vary by semester.

NEUROSCI493 - Research Independent Study 1

Subject: NEUROSCI  
Catalog Number: 493  
Title: Research Independent Study 1

Description
First term of Research Independent Study in a subfield of neuroscience of special interest to a student, under the supervision of a faculty member. Concludes with submission of a substantive written report containing background, methods, and significant analysis and interpretation of data. Meets general requirement of a curriculum Research (R) course. Open to students after completion of two NEUROSCI courses; pre-approval of project by supervising faculty and Director of Undergraduate Studies in Neuroscience required. May be repeated with new faculty mentor or continued in NEUROSCI 494.
NEUROSCI494 - Research Independent Study 2

Subject: NEUROSCI
Catalog Number: 494
Title: Research Independent Study 2

Description:
Second term of Research Independent Study in a subfield of neuroscience of special interest to a student, under the supervision of a faculty member. Concludes with submission of a substantive written report containing background, methods, and significant analysis and interpretation of data. Meets general requirement of a curriculum Research (R) course. Open to students continuing same project as for NEUROSCI 493; pre-approval of project by supervising faculty and Director of Undergraduate Studies in Neuroscience required. May be repeated with new faculty mentor or continued in NEUROSCI 495.

NEUROSCI495 - Research Independent Study 3

Subject: NEUROSCI
Catalog Number: 495
Title: Research Independent Study 3

Description:
Third term of Research Independent Study in a subfield of neuroscience of special interest to a student, under the supervision of a faculty member. Concludes with submission of a substantive written report containing background, methods, and significant analysis and interpretation of data. Meets general requirement of a curriculum Research (R) course. Open to students continuing same project as for Neuroscience 493-494; pre-approval of project by supervising faculty and Director of Undergraduate Studies in Neuroscience required. May be repeated with new faculty mentor or continued in Neuroscience 496.

NEUROSCI496 - Research Independent Study 4

Subject: NEUROSCI
Catalog Number: 496
Title: Research Independent Study 4

Description:
Fourth term of Research Independent Study in a subfield of neuroscience of special interest to a student, under the supervision of a faculty member. Concludes with submission of a substantive written report containing background, methods, and significant analysis and interpretation of data. Meets general requirement of a curriculum Research (R) course. Open to students continuing same project as for Neuroscience 493-495; pre-approval of project by supervising faculty and Director of Undergraduate Studies in Neuroscience required.

NEUROSCI499 - Current Research in Neuroscience

Subject: NEUROSCI
Catalog Number: 499
Title: Current Research in Neuroscience

Description:
A formal component of the Graduation with Distinction in Neuroscience plan that includes review of directed reading and research in both theoretical and experimental neuroscience. Emphasis on the development of the ability to critically evaluate empirical research and to construct mathematical or deductive/inductive models. Final project includes preparation of a formal research proposal and a review of the role of ethics in science. Enrollment in an independent study and consent of instructor required. Along with research and thesis, required for Graduation with Distinction in Neuroscience.

NEUROSCI89S - First-Year Seminar Special Topics

Subject: NEUROSCI
Catalog Number: 89S
Title: First-Year Seminar Special Topics

Description:
Topics vary each semester offered.

PATHOL293 - Research Independent Study

Subject: PATHOL
Catalog Number: 293
Title: Research Independent Study

Description:
Individual research and reading of the primary literature in a field of special interest, under the supervision of a faculty member, the major product of which is a substantive written report or oral presentation containing significant analysis and interpretation of a previously approved topic. Consent of instructor required.
PERSIAN101 - Elementary Persian

Subject: PERSIAN  
Catalog Number: 101  
Title: Elementary Persian  
Description: Introduction to spoken and literary Persian: understanding, speaking, reading, and writing. Language laboratory drill.

PERSIAN102 - Elementary Persian

Subject: PERSIAN  
Catalog Number: 102  
Title: Elementary Persian  
Description: Continuation of Persian 101.

PERSIAN203 - Intermediate Persian

Subject: PERSIAN  
Catalog Number: 203  
Title: Intermediate Persian  
Description: A continuation of Elementary Persian II; to help students enhance their proficiency in Persian language skills; emphasis on oral fluency, written expression, reading comprehension and developing cultural awareness. Prerequisite: Elementary Persian I or instructor's approval based on the placement test score.

PERSIAN204 - Intermediate Persian

Subject: PERSIAN  
Catalog Number: 204  
Title: Intermediate Persian  
Description: A continuation of Intermediate Persian I; to help students further improve their intermediate proficiency in Persian language skill; emphasis on oral fluency, written expression, reading comprehension and developing cultural awareness. Prerequisite: Persian 203 (Intermediate Persian I) or instructor's approval based on the placement test score.

PERSIAN306 - Advanced Persian

Subject: PERSIAN  
Catalog Number: 306  
Title: Advanced Persian  
Description: Continuation of Persian 305. Reading, speaking and presentations about cultural, social, political and historical issues. Honing grammatical usage at the discourse level. Recommended prerequisite: Persian 305 or equivalent.

PERSIAN391 - Independent Study

Subject: PERSIAN  
Catalog Number: 391  
Title: Independent Study  
Description: Individual study of language for conducting research involving sources written or spoken in the language. Students have to submit a proposal describing the purported research, types of sources to be analyzed, and kinds of language knowledge or skills they need to be equipped with. Consent of instructor and director of undergraduate studies required.

PHARM293 - Research Independent Study in Science Education

Subject: PHARM  
Catalog Number: 293  
Title: Research Independent Study in Science Education  
Description: Individual research in a field of science education (with reference to pharmacology) at the precollege level, under the supervision of a faculty member, resulting in a substantive paper or written report containing significant analysis and interpretation of study results. Open to (juniors and seniors) with consent of supervising instructor.

PHARM294 - Research Independent Study in Science Education

Subject: PHARM  
Catalog Number: 294  
Title: Research Independent Study in Science Education  
Description: Continuation of Pharmacology 293. Open to juniors and seniors with consent of supervising instructor. Prerequisite: Biology 25L; Chemistry 21L or 23L; Pharmacology 293. Consent of instructor required.
### PHARM350 - Pharmacology: Drug Actions and Reactions

**Subject**: PHARM  
**Catalog Number**: 350  
**Title**: Pharmacology: Drug Actions and Reactions  

**Description**
Mechanisms of drug action, concepts of drug toxicity, resistance, tolerance, and drug interactions. Examples of how drugs affect the autonomic and central nervous systems, the cardiovascular and endocrine systems, and how drugs treat infection and cancer. This course is designed for both science and nonscience majors, but preference will be given to junior biology majors concentrating in pharmacology. Recommended prerequisite: introductory biology (Biology 201L, 203L, or equivalent) and chemistry (Chemistry 101DL or 110DL).

### PHARM360 - Drugs, Brain, and Behavior

**Subject**: PHARM  
**Catalog Number**: 360  
**Title**: Drugs, Brain, and Behavior  

**Description**
Mechanisms by which psychoactive drugs act. Changes that occur with chronic use of drugs; drug abuse and dependence. Social and legal implications of psychoactive drugs. Designed for both science and nonscience majors. Emphasis on the reasoning, research designs, and methods for understanding drug effects. Prerequisite: introductory biology (Biology 25L) and chemistry (Chemistry 11L, 12L).

### PHARM370 - Pharmacogenomics and Personalized Medicine

**Subject**: PHARM  
**Catalog Number**: 370  
**Title**: Pharmacogenomics and Personalized Medicine  

**Description**
Course discusses personalized drug development for several diseases and examines how genetic variations in enzymes, receptors, and transporters involved in pharmacokinetics and pharmacodynamics affect drug response. Students are introduced to modern molecular techniques (DNA & RNA sequencing, gene expression-DNA microarrays, proteomics, and metabolomics) used in the development of personalized medicine. Class participation includes presentation and discussion of current journal articles highlighting advances in pharmacogenomics and personalized medicine. Open to juniors and seniors. Highly recommended: Biology 201L or 201LA.

### PHARM393 - Research Independent Study

**Subject**: PHARM  
**Catalog Number**: 393  
**Title**: Research Independent Study  

**Description**
Individual research in a pharmacology-related area under the supervision of a faculty member, resulting in a substantive paper or written report containing significant analysis and interpretation of the study results. Open to first-year students and sophomores with consent of supervising instructor.

### PHARM394 - Research Independent Study

**Subject**: PHARM  
**Catalog Number**: 394  
**Title**: Research Independent Study  

**Description**
Individual research in a pharmacology-related area under the supervision of a faculty member, resulting in a substantive paper or written report containing significant analysis and interpretation of the study results. Open to first-year students and sophomores with consent of supervising instructor.

### PHARM493 - Research Independent Study

**Subject**: PHARM  
**Catalog Number**: 493  
**Title**: Research Independent Study  

**Description**
Individual research in a pharmacology-related area under the supervision of a faculty member, resulting in a substantive paper or written report containing significant analysis and interpretation of the study results. Open to juniors and seniors with consent of supervising instructor.
### PHARM494 - Research Independent Study

<table>
<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHARM</td>
<td>494</td>
<td>Research Independent Study</td>
</tr>
</tbody>
</table>

**Description**
Individual research in a pharmacology-related area under the supervision of a faculty member, resulting in a substantive paper or written report containing significant analysis and interpretation of the study results. Open to juniors and seniors with consent of supervising instructor.

### PHARM495 - Research Independent Study

<table>
<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>PHARM</td>
<td>495</td>
<td>Research Independent Study</td>
</tr>
</tbody>
</table>

**Description**
Individual research in a pharmacology-related area under the supervision of a faculty member, resulting in a substantive paper or written report containing significant analysis and interpretation of the study results. Open to juniors and seniors who have already taken Pharmacology 493 and 494, with consent of supervising instructor.

### PHIL101 - Introduction to Philosophy

<table>
<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHIL</td>
<td>101</td>
<td>Introduction to Philosophy</td>
</tr>
</tbody>
</table>

**Description**
Examination of problems in philosophy; emphasis on metaphysics and theory of knowledge. Open only to first years and sophomores.

### PHIL103S - Introduction to Philosophy

<table>
<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHIL</td>
<td>103S</td>
<td>Introduction to Philosophy</td>
</tr>
</tbody>
</table>

**Description**
Philosophy 101 conducted as a seminar. Open only to first years and sophomores.

### PHIL104S - Introduction to Philosophy

<table>
<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>PHIL</td>
<td>104S</td>
<td>Introduction to Philosophy</td>
</tr>
</tbody>
</table>

**Description**
Philosophy 102 conducted as a seminar.

### PHIL109 - Philosophy Through Computer Science

<table>
<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHIL</td>
<td>109</td>
<td>Philosophy Through Computer Science</td>
</tr>
</tbody>
</table>

**Description**
In this class we will explore several classic philosophical issues by learning how to program in Python. This is made possible by the close affinity that is shared between a number of computational concepts and their philosophical counterparts. For example, the concept of recursion can help us think about the existence of God by way of infinity. Completing this class will give you rudimentary Python programming skills and the ability to critically engage several philosophical issues. The ideal student will have an interest in both disciplines but have no prior knowledge of either.
# Duke University

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<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHIL110</td>
<td>110</td>
<td><strong>Information, Society &amp; Culture: Bass Connections Gateway</strong></td>
<td></td>
</tr>
</tbody>
</table>

**Description**
Information, Society, and Culture across disciplines. How all aspects of information theory and practice, including computational and mathematical and those from social sciences and the humanities are transforming research, reframing intellectual questions in research and its application, and having an impact on interactions within societies, cultures, ideologies, economics, politics. Modules presented by faculty from all areas and schools, contrasting and comparative perspectives in research-driven modules focused on interdisciplinary project questions and ideas. Lecture/section activities. Course Gateway for the Bass Connections theme in Information, Society and Culture.

| PHIL120 | 120 | **The Challenges of Living an Ethical Life** |

**Description**
Familiar but fundamental ethical questions: What is a good, worthy or just life? How is it to be lived, toward what ends? Readings include dramas and philosophical analyses, parables and auto-biographies, polemics and meditations, novels and political commentaries. Introductory course for the Ethics & Society Certificate.

| PHIL123FS | 123FS | **Freedom and Responsibility** |

**Description**
Conflicting visions of freedom and responsibility that characterize the modern world; the possibility of leading ethical lives in the face of conflicting demands that a complex vision of the good engenders. Readings include Luther, Hobbes, Locke, Rousseau, Marx, Kant, and Jack London. Course aims to be an intense introduction to Western philosophical ideas of freedom and responsibility. Open only to students in the Focus Program. Department consent required.

| PHIL124FS | 124FS | **Freedom and Moral Obligation** |

**Description**
Are moral obligations limitations on our freedom, or are they, as some philosophers have insisted, the fullest expression of freedom? To understand the disagreement, we'll look at moral obligations, particularly social and political obligations. How do collective moral obligations, like climate change or reparations for slavery, obligate us individually—or do they? Is freedom of speech morally required? Finally, we will consider Kant's Groundwork of the Metaphysics of Morals, in which Kant argued that we are only free when our actions are dictated entirely by morality.

| PHIL150 | 150 | **Logic** |

**Description**
The conditions of effective thinking and clear communication. Examination of the basic principles of deductive reasoning.

| PHIL155 | 155 | **Reason and Argument** |

**Description**
How to analyze, evaluate, and construct arguments of various kinds on a wide range of topics. Web-based lectures, exercises, and quizzes. Class meetings for discussion of short weekly writing with peer assessment.
PHIL163D - Ethics for Robertson Scholars

Subject: PHIL
Catalog Number: 163D
Title: Ethics for Robertson Scholars

Description:
Robertson Scholars First-Year colloquium; Introduction to ethical reasoning & argument. Asks questions/examines concepts & arguments related to the nature of moral reasoning. Examines contemporary ethical issues to gain understanding of the kinds of reasons/arguments used to establish or support ethical claims. Restricted to Robertson scholars. Class meets half the semester at Duke, half at UNC, with weekly discussion sections on both campuses.

PHIL190FS - Focus Program Seminar: Topics in Philosophy

Subject: PHIL
Catalog Number: 190FS
Title: Focus Program Seminar: Topics in Philosophy

Description:
Topics vary each semester offered. Open only to students in the Focus program. Consent of Instructor required.

PHIL194FS - Beyond Disagreement and Cozy Consensus

Subject: PHIL
Catalog Number: 194FS
Title: Beyond Disagreement and Cozy Consensus

Description:
Part of the 'Ethics, Leadership & Global Citizenship' Focus cluster. Introduction to tools and concepts in ethics, critical reasoning, politics, and psychology. Emphasis on identifying and framing the right questions about justice, democracy, identity, etc.; then criticizing or justifying answers to such questions. Readings range from classics in the history of Western thought, to country and western music, and Kanye West. Open only to students in the Focus program. Instructor consent required.

PHIL201 - History of Modern Philosophy

Subject: PHIL
Catalog Number: 201
Title: History of Modern Philosophy

Description:
Seventeenth and eighteenth century attempts to address philosophical problems concerning knowledge and the nature of reality in Descartes, Spinoza, Malebranche, Leibniz, Locke, Berkeley, Hume, and Kant.

PHIL202 - Aesthetics: The Philosophy of Art

Subject: PHIL
Catalog Number: 202
Title: Aesthetics: The Philosophy of Art

Description:
The concept of beauty, the work of art, the function of art, art and society, the analysis of a work of art, criticism in the arts.

PHIL203 - History of Ancient Philosophy

Subject: PHIL
Catalog Number: 203
Title: History of Ancient Philosophy

Description:
The pre-Socratics, Socrates, Plato, Aristotle, and post-Aristotelian systems. Not open to students who have taken Classical Studies 93 or Philosophy 93.
<table>
<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHIL</td>
<td>204S</td>
<td>The Modern Canon: Listening to Neglected Voices</td>
<td>Study of philosophy canon formation, analysis of exclusion of women and non-Europeans from philosophy's modern canon, methods of researching neglected historical figures.</td>
</tr>
<tr>
<td>PHIL</td>
<td>205</td>
<td>World Philosophy</td>
<td>Course introduces students to several great philosophical traditions worthy of respect in their own right and important for understanding our contemporary world. Surveys, compares, contrasts philosophical thought from classical Greco-Roman world (Plato and Seneca), Middle Eastern and Africa traditions (including African American traditions), India (Hinduism, Buddhism, Jainism), and China (Confucianism and Daoism). These traditions, embodied in the modern world, try to answer questions like: Why are we here? Are we fated to live as we do? What is a good human life? Is there God or gods? Is there afterlife? How can we know what is true good? What is a person? How ought humans relate to nature?</td>
</tr>
<tr>
<td>PHIL</td>
<td>206</td>
<td>Philosophy of Law</td>
<td>Natural law theory, legal positivism, legal realism, the relation of law and morality.</td>
</tr>
<tr>
<td>PHIL</td>
<td>207</td>
<td>Political and Social Philosophy</td>
<td>Basic ethical concepts involved in political organization and in a variety of periods, such as equality, human dignity and rights, source of political obligation, political education. Discussion of contemporary problems. Examination of contemporary viewpoints such as liberalism and feminism.</td>
</tr>
<tr>
<td>PHIL</td>
<td>209</td>
<td>Philosophy of Language</td>
<td>A philosophical analysis of problems arising in the study of language and symbolism. Topics include: theories of language, the nature of signs and symbols, theories of meaning, types of discourse (scientific, mathematical, poetic), definition, ambiguity, metaphor.</td>
</tr>
<tr>
<td>PHIL</td>
<td>210</td>
<td>Knowledge and Certainty</td>
<td>Problems in the theory of knowledge: conditions of knowledge, skepticism, perception, memory, induction, knowledge of other minds, and knowledge of necessary truths.</td>
</tr>
<tr>
<td>PHIL</td>
<td>211</td>
<td>Appearance and Reality</td>
<td>Problems in metaphysics: theories of existence, substance, universals, identity, space, time, causality, determinism and action, and the relation of mind and body.</td>
</tr>
<tr>
<td>PHIL</td>
<td>212</td>
<td>Philosophy of Mind</td>
<td>Such topics as mind and body, the nature of thought, perception, consciousness, personal identity, and other minds. The relevance of cognitive psychology, neuroscience, and computer science to the philosophy of mind.</td>
</tr>
<tr>
<td>Subject</td>
<td>Catalog Number</td>
<td>Title</td>
<td>Description</td>
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<tr>
<td>PHIL</td>
<td>213</td>
<td>Exploring Science and Religion</td>
<td>This Transformative Ideas course, geared to sophomore STEM majors, introduces the most pressing questions about science and religion. Core topics will include faith and reason; the origins of the universe; the existence of fine-tuning; evolution, randomness and design; the neuroscience of free will; the science of the soul; and science and morality. Other possible topics may include: recent theories of consciousness in psychology; the relationship between God and time; God and the epistemology of mathematics; religion and advances in AI; the neuroscience of religious experience; the possibility of miracles; and historical episodes in the development of science vis-à-vis religion.</td>
</tr>
<tr>
<td>PHIL</td>
<td>213S</td>
<td>Paradoxes of Rational Choice</td>
<td>In this course, we will delve into the philosophical foundations of rational choice theory and confront a broad range of decision theoretic puzzles and paradoxes. Along the way, we’ll evaluate several of the most prominent philosophical theories of rational decision making and their relationships to topics in epistemology, causal inference and statistics.</td>
</tr>
<tr>
<td>PHIL</td>
<td>214</td>
<td>The Good Life: Religion, Philosophy, and Life’s Ultimate Concerns</td>
<td>What does it look like for a human life to go well? What leads to human flourishing or ‘happiness’ or ‘success’? What is freedom? Love? Justice? What is the basis for ethics? What is our relationship to the natural world? What is the significance of death? How do our beliefs (or lack thereof) about God or the gods shape how we view the world? We will examine how philosophical or religious traditions around the globe have answered life’s biggest questions. Traditions may include Confucianism, Islam, Christianity, Stoicism, Judaism, Buddhism, Hinduism, scientific naturalism, expressive individualism, and utilitarianism. Part of the Transformative Ideas Sophomore Program.</td>
</tr>
<tr>
<td>PHIL</td>
<td>215</td>
<td>Applied and Environmental Ethics</td>
<td>A critical examination of ethical dimensions of several contemporary individual and political normative problems, including abortion, affirmative action, national and international economic redistribution, and the environmental impact of economic changes and political decisions.</td>
</tr>
<tr>
<td>PHIL</td>
<td>216</td>
<td>Problems in Ethical Theory</td>
<td>The nature of morality, amorality, utilitarianism, and deontology. Both historical and contemporary readings.</td>
</tr>
<tr>
<td>PHIL</td>
<td>217</td>
<td>Introduction to Ethical Theory</td>
<td>Historically informed introduction to ethical theories in the Western tradition. Major historical figures (Aristotle, Kant, Mill) are read as well as some contemporary defenders of views inspired by these thinkers. This course is intended to provide a foundation for further study of ethics in philosophy.</td>
</tr>
</tbody>
</table>
### PHIL218 - Medical Ethics

**Subject**  
PHIL

**Catalog Number**  
218

**Title**  
Medical Ethics

**Description**  
Examination of ethical issues in the practice of medicine. Course examines the concepts of well-being, autonomy, health, and disease; the ethics of informed consent; problems of capacity assessment; ethics of making decisions for incompetent patients; ethical issues of advance directives; the ethics of legalizing assisted suicide and euthanasia. Course also looks at ethical dimensions of decision-making for particular vulnerable groups: elderly dementia patients, permanently unconscious patients, impaired newborns, people with various disabilities. The focus is on clinical medicine, but the course serves also as a foundation for further study in bioethics.

### PHIL219D - The Challenges of Living an Ethical Life

**Subject**  
PHIL

**Catalog Number**  
219D

**Title**  
The Challenges of Living an Ethical Life

**Description**  
Familiar but fundamental ethical questions: What is a good, worthy or just life? How is it to be lived, toward what ends? Readings include dramas and philosophical analyses, parables and autobiographies, polemics and meditations, novels and political commentaries. Introductory course for the Certificate Program in the Study of Ethics.

### PHIL220 - Philosophical Perspectives on Disability

**Subject**  
PHIL

**Catalog Number**  
220

**Title**  
Philosophical Perspectives on Disability

**Description**  
Considers core questions about the nature of disability and what this entails for policy. Review of medical and social models of disability, and current philosophical attempts to improve on these models. Careful consideration of the relationship between disability and well-being, including questions about how much weight to give to different kinds of testimony about the quality of life of disabled people. Relates all of this to various topics in practical ethics.

### PHIL221S - Philosophy and Literature

**Subject**  
PHIL

**Catalog Number**  
221S

**Title**  
Philosophy and Literature

**Description**  

### PHIL222 - Gender and Philosophy

**Subject**  
PHIL

**Catalog Number**  
222

**Title**  
Gender and Philosophy

**Description**  
Issues in political and moral philosophy in their bearing on feminist concerns, including political equality and rights, preferential treatment, feminist and nonfeminist critiques of pornography, and the morality of abortion.

### PHIL222S - Gender and Philosophy

**Subject**  
PHIL

**Catalog Number**  
222S

**Title**  
Gender and Philosophy

**Description**  
Seminar version of Philosophy 222.
<table>
<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHIL226</td>
<td>226</td>
<td>Philosophy of Sport</td>
</tr>
<tr>
<td>Description</td>
<td></td>
<td>Play, sport, and game in western culture: sport and leisure, sport vs. athletics, discipline of the body, spectatorship, the amateur and the professional. Course deals with ethical context and implications of competition and the urge to win, with sport as rule-governed behavior. Also examines significance of infractions of the rules, associated penalties, and ethical issues like cheating, performance-enhancing substances in sport, concept of the 'team' and ideals of individual performance.</td>
</tr>
<tr>
<td>PHIL230</td>
<td>230</td>
<td>Virtue Theory</td>
</tr>
<tr>
<td>Description</td>
<td></td>
<td>Investigation of the virtues and their significance in morality. Readings drawn from both historical and contemporary sources. Some consideration of select individual virtues, such as courage, kindness, and honesty.</td>
</tr>
<tr>
<td>Description</td>
<td></td>
<td>Review of recent theories of mind in cognitive science as they pertain to the nature of belief in God, religious practices, and moral attitudes. Arguments in ethics and philosophy of religion as they apply to Judaism, Christianity, and Islam. Offered only in the Duke in Istanbul semester study abroad programs. Consent of instructor required.</td>
</tr>
<tr>
<td>PHIL236A</td>
<td>236A</td>
<td>The Birth of Reason in Ancient Greece</td>
</tr>
<tr>
<td>Description</td>
<td></td>
<td>A study of the Classical Greeks' pronounced emphasis on the rational aspect of human nature, which enabled them to lay the foundations for subsequent intellectual developments in western thought. The Athenian Empire as a case study for an investigation of the five major ancient ethical systems. Taught only in the Duke Greece Summer Study Abroad program.</td>
</tr>
<tr>
<td>PHIL237A</td>
<td>237A</td>
<td>Political Philosophy of Globalization</td>
</tr>
<tr>
<td>Description</td>
<td></td>
<td>Examination of the claim made for and against the expansion of free exchange on economic, political, and cultural institutions and conditions, from the perspectives of competing ethical theories and political philosophies. Taught only in the Duke in Geneva Summer Study Abroad program.</td>
</tr>
<tr>
<td>PHIL242</td>
<td>242</td>
<td>Problems in Philosophy of Science</td>
</tr>
<tr>
<td>Description</td>
<td></td>
<td>The principal philosophical problems of scientific practice. Explanation, confirmation, instrumentalist and realist conceptions of scientific theory. Laws and indeterminism in modern science.</td>
</tr>
<tr>
<td>Course Code</td>
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<td>Subject</td>
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<tr>
<td>PHIL242S</td>
<td>Problems in Philosophy of Science</td>
<td>PHIL</td>
</tr>
<tr>
<td>PHIL246</td>
<td>Prisoner's Dilemma and Distributive Justice</td>
<td>PHIL</td>
</tr>
<tr>
<td>PHIL250</td>
<td>Symbolic Logic</td>
<td>PHIL</td>
</tr>
<tr>
<td>PHIL252</td>
<td>Philosophy and Neuroscience</td>
<td>PHIL</td>
</tr>
<tr>
<td>PHIL262</td>
<td>Human Rights in Theory and Practice</td>
<td>PHIL</td>
</tr>
<tr>
<td>PHIL263</td>
<td>Chinese Philosophy</td>
<td>PHIL</td>
</tr>
</tbody>
</table>
**PHIL270 - Business Ethics: The Debate Over Corporate Social Responsibility**

**Subject** | **Catalog Number** | **Title**  
--- | --- | ---  
PHIL | 270 | Business Ethics: The Debate Over Corporate Social Responsibility  

**Description**  

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**PHIL280S - Science and Society**

**Subject** | **Catalog Number** | **Title**  
--- | --- | ---  
PHIL | 280S | Science and Society  

**Description**  
Science and technology are inseparable from the people that engage in them and are influenced by them. In this course we will ask questions such as: what is science? How do scientists go about doing it? Where does science get its authority? What are the responsibilities of scientists to the public? What are the ethical, legal, and political considerations that should accompany scientific development? We will read classic and contemporary texts concerning these issues, and students will develop their critical and philosophical abilities in order to assess and contribute to these debates. Reserved for Sophomores Only.

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**PHIL281 - Global Bioethics**

**Subject** | **Catalog Number** | **Title**  
--- | --- | ---  
PHIL | 281 | Global Bioethics  

**Description**  
Examines various problems of international ethics, discussing them in the context of general ethical theory and then in the specific context of various controversies concerning the conduct of clinical trials in developing countries. Problems include moral universalism and relativism; poverty relief and international aid; international health disparities; human rights; and exploitation.

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**PHIL282 - Science, Ethics, & Democracy**

**Subject** | **Catalog Number** | **Title**  
--- | --- | ---  
PHIL | 282 | Science, Ethics, & Democracy  

**Description**  
Examines relationships between scientific knowledge, ethics, & formation of public policies in a democratic society. Science influences public policy & public policy shapes scientific enterprise. How can citizens reliably identify genuine scientific expertise? If scientific expertise conflicts with religious views of some citizens, can public policy rely on scientific expertise without violating principles of religious toleration? What are ethical rules of public deliberation—must citizens appeal only to reasons accessible from secular viewpoints? To what extent should science goals be shaped by scientific community versus democratic processes?

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**PHIL283S - Philosophy of Death & Dying**

**Subject** | **Catalog Number** | **Title**  
--- | --- | ---  
PHIL | 283S | Philosophy of Death & Dying  

**Description**  
Philosophy of Death & Dying. This course will explore philosophical questions about the nature of death and end-of-life ethics. First we will consider metaphysical questions about the nature of death and dying. Next we will examine the psychological attitudes we have toward death and dying, and whether these attitudes are rational responses to our mortality. Finally, we will consider a range of ethical questions at the end of life, including virtues in the face of dying, whether suicide is permissible, and how to ‘die well.’ A primary aim of the course will be to encourage students to reflect on mortality and ethical dilemmas involved at the end of life.

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**PHIL285S - Existentialism**

**Subject** | **Catalog Number** | **Title**  
--- | --- | ---  
PHIL | 285S | Existentialism  

**Description**  
Existentialism in philosophy and literature. Key themes will be existence, ethics, meaning of life, freedom, death, and writing. Texts may include writings by Kierkegaard, Nietzsche, Dostoevsky, Tolstoy, Heidegger, Sartre, Camus, Beauvoir, Fanon, Murdoch and others.
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<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>PHIL</td>
<td>286</td>
<td>Marx, Nietzsche, Freud</td>
</tr>
</tbody>
</table>

**Description**

A critical examination and assessment of the thought of Marx, Nietzsche, and Freud: revolutionary theory and practice; nihilism and the challenge of overcoming it; the hidden foundations of the self and of culture.

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<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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<tbody>
<tr>
<td>PHIL</td>
<td>290</td>
<td>Special Topics in Philosophy</td>
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</tbody>
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<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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<tbody>
<tr>
<td>PHIL</td>
<td>290S</td>
<td>Seminars in Philosophy</td>
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<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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<tbody>
<tr>
<td>PHIL</td>
<td>291</td>
<td>Independent Study</td>
</tr>
</tbody>
</table>

**Description**

Individual reading in a field of special interest, under the supervision of a faculty member, resulting in a substantive paper or written report containing significant analysis and interpretation of a previously approved topic. Open only to highly qualified students in the junior and senior year with consent of instructor and director of undergraduate studies.

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<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>PHIL</td>
<td>293</td>
<td>Research Independent Study</td>
</tr>
</tbody>
</table>

**Description**

Individual research in a field of special interest under the supervision of a faculty member, the central goal of which is a substantive paper or written report containing a significant analysis and interpretation of a previously approved topic. Open only to highly qualified students in the junior and senior year with consent of instructor and director of undergraduate studies.

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<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>PHIL</td>
<td>302</td>
<td>How to Live and How to Die: Death, Dying, and the Afterlife from Confucius to Cryonics</td>
</tr>
</tbody>
</table>

**Description**

Death is one of the only completely universal human experiences, yet we resist talking about it in our everyday lives. In this course, we will investigate some of the biggest questions and issues surrounding death. We will first examine the different ways that philosophical and religious traditions have conceived of death and problems that these conceptions may raise. In the second half of our course we will focus on how death affects our actions and choices in life. How does the prospect of impermanence shape the way we live? Are there causes that are worth dying for? How should we prepare for death? Should we use new technologies to extend our lives and 'cheat' death?
PHIL312S - Adam Smith and the System of Natural Liberty

**Subject**  
PHIL  

**Catalog Number**  
312S  

**Title**  
Adam Smith and the System of Natural Liberty  

**Description**  
A seminar focused on the writings of Adam Smith, including close readings of The Wealth of Nations and The Theory of Moral Sentiments, and selections from Mandeville, Hutcheson, Hume, Quesnay, Turgot, and Bentham. Focus on eighteenth-century views on the nature of society and the origins of prosperity, the luxury debate, and links between natural philosophy (including medical thought), and moral philosophy. Recommended prerequisite: Economics 311.

PHIL314 - Philosophy of Biology

**Subject**  
PHIL  

**Catalog Number**  
314  

**Title**  
Philosophy of Biology  

**Description**  
An introduction to conceptual and methodological issues raised in contemporary biology, including reductionism, the meaning of chance, laws in biology, the units of natural selection, teleology, and the structure of evolutionary theory. Recommended prerequisite: AP biology or introductory biology.

PHIL317 - Aristotle

**Subject**  
PHIL  

**Catalog Number**  
317  

**Title**  
Aristotle  

**Description**  
Survey of principal topics in Aristotelian philosophy. Areas of study include metaphysics, epistemology, philosophy of science, philosophy of language, ethics, and political philosophy.

PHIL331 - Kant

**Subject**  
PHIL  

**Catalog Number**  
331  

**Title**  
Kant  

**Description**  

PHIL331T - Voices in Philosophy: German

**Subject**  
PHIL  

**Catalog Number**  
331T  

**Title**  
Voices in Philosophy: German  

**Description**  
Discussion-based course trains students with advanced intermediate proficiency in German to read and analyze core philosophical texts in German, typically in conjunction with a lecture course offered in philosophy. Classes include close readings of original texts, discussions of interpretation and application in variety of other forms (including film, documentary, multimedia) and real-life situations. Students examine how language/culture impact our understanding of core philosophical texts through attention to issues such as translation, vernacular, and word choice. Tutorials meet weekly for 75 minutes. Recommended prerequisite: German 204 or equivalent.

PHIL335 - Moral Psychology

**Subject**  
PHIL  

**Catalog Number**  
335  

**Title**  
Moral Psychology  

**Description**  
Considers core questions about the proper role of empirical psychology in developing and/or confirming or disconfirming moral theories. Review of contemporary debates about the nature of moral motivation, the role of emotion in moral judgment, the nature of virtues and whether they exist, the nature of agency and moral responsibility, the nature and importance of happiness, and the role of intuitions in developing moral theories. Prerequisite: previous course in moral theory.
### PHIL345 - The Philosophy and Methodology of Economics

**Subject:** PHIL  
**Catalog Number:** 345  
**Title:** The Philosophy and Methodology of Economics

**Description**  
Introduction to conceptual and methodological issues raised in modern economics. Topics may include choice, rationality and irrationality, realism, models, the relationship between microeconomics and macroeconomics, prediction and explanation, value judgments and policymaking, and causality. Case studies of applications to economic problems. Prerequisites: One course in economics or consent of instructor.

### PHIL350 - Logic and Its Applications

**Subject:** PHIL  
**Catalog Number:** 350  
**Title:** Logic and Its Applications

**Description**  
Topics in proof theory, model theory, and recursion theory; applications to computer science, formal linguistics, mathematics, and philosophy. Usually taught jointly by faculty members from the departments of computer science, mathematics, and philosophy. Prerequisite: a course in logic or consent of instructor.

### PHIL353 - Neuroethics

**Subject:** PHIL  
**Catalog Number:** 353  
**Title:** Neuroethics

**Description**  
Focus on emerging ethical controversies concurrent with advances in neuroscience. Background material covered: concepts and methods in neuroscience; theories of ethics and morality from philosophy, law, and other fields. Ethical topics covered: biological bases of morality; emotions and decision making; neuroeconomics and neuromarketing; pathologies of mind and behavior; volition and legal culpability. Course format: combined lectures, discussion, interactive activities, with case studies and real-world examples (e.g., neuroimaging as legal evidence). Prior coursework in neuroscience and/or ethical inquiry recommended.

### PHIL355S - Visual Perception and the Brain

**Subject:** PHIL  
**Catalog Number:** 355S  
**Title:** Visual Perception and the Brain

**Description**  
Course explores how what we see is generated by the visual system. Students learn how the visual system links stimulus patterns with reproductive success without ever recovering real-world properties and without invoking feature detection, image representation in the brain, and probabilistic inference. Course considers in broader terms the relationship between the objective world and subjective human experience. Course delivered in flipped format with all lectures assigned as videos and class time devoted entirely to discussion of papers, problems and different perspectives on how the visual brain operates.

### PHIL380S - The Scientific Revolution

**Subject:** PHIL  
**Catalog Number:** 380S  
**Title:** The Scientific Revolution

**Description**  
Study emergence of modern physical sciences as leading means for understanding the natural world; read primary documents from Copernicus, Kepler, Galileo, Descartes, Boyle, Hooke and Newton; learn how past science shaped the modern world; learn how history of science enables understanding of 21st-century science.

### PHIL384AS - Classical and Contemporary Political Theory

**Subject:** PHIL  
**Catalog Number:** 384AS  
**Title:** Classical and Contemporary Political Theory

**Description**  
Examines crucial debates in classical and contemporary political thought, especially question of individual freedom, from end of English Civil War to present day. Equips students with theoretical expertise to make persuasive arguments of their own. Not open to students who have taken Philosophy 207, Political Science 223, or Political Science 224. If you take this course you cannot get credit for Philosophy 207, Political Science 223, or Political Science 224. Open only to students in the Duke in Oxford program. Consent of instructor required.
PHIL385AS - Science, Ethics, and Society
Subject: PHIL  
Catalog Number: 385AS  
Title: Science, Ethics, and Society  
Description: Major recent public debates involving science, ethics, and policy in Britain and the United States. Exploration of issues ranging from stem cell research and global warming to health care policy and the teaching of evolution, as differently framed in the two countries. Examination of scientific, philosophical, and theological dimensions of such controversies, and how their manifestations in the public realm illuminate the relationships between scientists and laypersons, academic and popular culture, and public attitudes toward government and regulation. Open only to students in the Duke in Oxford program. Instructor consent required.

PHIL390A - Duke-Administered Study Abroad: Advanced Special Topics in Philosophy
Subject: PHIL  
Catalog Number: 390A  
Title: Duke-Administered Study Abroad: Advanced Special Topics in Philosophy  
Description: Topics differ by section.

PHIL411 - Philosophy of Time & Space
Subject: PHIL  
Catalog Number: 411  
Title: Philosophy of Time & Space  
Description: Topics include: the possibility of time travel, the direction of time, comparisons between space and time, special relativity, and existence of the past and future.

PHIL447 - Philosophical and Conceptual Problems of Entrepreneurship
Subject: PHIL  
Catalog Number: 447  
Title: Philosophical and Conceptual Problems of Entrepreneurship  
Description: Investigation of the nature of entrepreneurship; its psychological foundations, relation to science and technology, implications for economics, and ramifications for morality and ethics.

PHIL460S - Weil, Beauvoir, Murdoch: Three Women Philosophers in Mid-Twentieth Century Europe
Subject: PHIL  
Catalog Number: 460S  
Title: Weil, Beauvoir, Murdoch: Three Women Philosophers in Mid-Twentieth Century Europe  
Description: Simone Weil (1909-44), Simone de Beauvoir (1908-86), and Iris Murdoch (1919-99) are towering figures in the history of European philosophy. Yet they have all, in different ways, become somewhat marginal to the philosophical mainstream. All three wrote on ethics. Weil wrote on labor, society, affliction, and grace. Beauvoir wrote novels, memoirs, and The Second Sex, a groundbreaking feminist analysis of women's situation. Inspired by Weil, Murdoch wrote about attention and the good and became one of the UKs leading novelists. The course will introduce students to their writing across genres, and situate their work about their respective national traditions.

PHIL463S - Eastern & Western Conceptions of Human Nature, Ethics, & Politics
Subject: PHIL  
Catalog Number: 463S  
Title: Eastern & Western Conceptions of Human Nature, Ethics, & Politics  
Description: Course deals with differences of value by understanding a variety of traditions. Explores conceptions of human nature and how these connect with views about the good human life, duties, responsibilities, rights, and proper forms of political governance. International team leads discussions from comparative and cross-cultural perspectives. Critically examines Western sources, Chinese/Korean sources, Hindu, Buddhist, and Jain sources- analyzing how these ideas shape contemporary Western/East Asian/South Asian culture. All in context of contemporary scientific sources on human nature from psychology, anthropology, and primatology.
PHIL465S - Politics, Philosophy, and Economics Capstone

Subject: PHIL
Catalog Number: 465S
Title: Politics, Philosophy, and Economics Capstone

Description:
Capstone course open only to students in the Politics, Philosophy, and Economics program. Integrates and synthesizes the analytical framework and factual studies provided in other PPE courses. Consent of instructor required.

PHIL490S - Seminars in Philosophy

Subject: PHIL
Catalog Number: 490S
Title: Seminars in Philosophy

PHIL495S - Distinction Seminar Program

Subject: PHIL
Catalog Number: 495S
Title: Distinction Seminar Program

Description:
Original research project culminating in a 40-60 page thesis. Covers philosophy-specific research techniques as well as fundamentals of academic bibliographic research. Students share their research and receive/provide feedback. Instructor Consent Required.

PHIL89S - First-Year Seminar

Subject: PHIL
Catalog Number: 89S
Title: First-Year Seminar

Description:
Topics vary each semester offered.

PHYSEDU101 - Cardio Conditioning

Subject: PHYSEDU
Catalog Number: 101
Title: Cardio Conditioning

Description:
Utilizes a variety of exercise modalities (walking, running, cycling, elliptical) and formats (intervals, circuits) to improve cardiovascular fitness.

PHYSEDU102 - Triathlon Training

Subject: PHYSEDU
Catalog Number: 102
Title: Triathlon Training

Description:
Course to include running, biking, and swimming techniques and training; Students will increase their cardiorespiratory capacity and learn training and race day strategies such as proper form, transitions and nutrition. Students should be a proficient swimmer and supply their own swimming and running gear. Bike not required.

PHYSEDU104 - Fusion Fitness

Subject: PHYSEDU
Catalog Number: 104
Title: Fusion Fitness

Description:
Formerly called Circuit Training. Combines strength and cardiovascular training using a variety of equipment and settings (weight room, studio, outdoors) to provide an efficient and challenging program to develop strength, endurance, flexibility and coordination.

PHYSEDU105 - Pilates Level 1

Subject: PHYSEDU
Catalog Number: 105
Title: Pilates Level 1

Description:
This course is for students with no prior experience in Pilates. Emphasis is on improving strength and flexibility through performance of exercises from the beginning and intermediate Pilates series with proper form. Props such as rings, balls, and bands are used to increase intensity and balance. Students will learn about specific muscles involved in each exercise as well as the history and principles of Pilates. Each class will include a core integration, review of exercises, presentation of new material, and a cool down including flexibility.
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<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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<tbody>
<tr>
<td>PHYSEDU106</td>
<td>106</td>
<td>Pilates Level 2</td>
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<tr>
<td>Description</td>
<td></td>
<td>This course is for students who completed Pilates Level 1 or have one year experience and proficiency in beginning series Pilates exercises. Students will improve strength and flexibility throughout the body. The course reviews beginning and intermediate exercises before progressing to advanced series and uses rings, balls, bands, and weights. Barre classes will occasionally be added to increase intensity in lower body exercises. Students will review specific muscles involved in each exercise and history and principles of Pilates. Each class will include a core integration, review of exercises, presentation of new material, and a cool down including flexibility.</td>
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<th>Title</th>
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<tbody>
<tr>
<td>PHYSEDU108</td>
<td>108</td>
<td>Group Fitness Certification</td>
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<tr>
<td>Description</td>
<td></td>
<td>Covers the knowledge and skills needed to design and conduct group fitness programs and to take the group fitness certification test, making participants eligible to apply for a group fitness instructor position. Topics to include anatomy, exercise program design, choreography, special populations, and legal and professional responsibilities.</td>
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<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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<tbody>
<tr>
<td>PHYSEDU109</td>
<td>109</td>
<td>Cardio-Kickboxing</td>
</tr>
<tr>
<td>Description</td>
<td></td>
<td>A noncontact activity designed to teach self-defense techniques while building the muscular and cardiovascular systems.</td>
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<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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<tbody>
<tr>
<td>PHYSEDU110</td>
<td>110</td>
<td>Intermediate Cardio-Kickboxing</td>
</tr>
<tr>
<td>Description</td>
<td></td>
<td>A workout that combines cardiovascular conditioning and body toning while learning more advanced boxing and kickboxing skills for self-defense tactics. Recommended prerequisite: Physical Education 109 or Physical Education 160 or previous kickboxing experience.</td>
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<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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<tbody>
<tr>
<td>PHYSEDU111</td>
<td>111</td>
<td>Walking for Wellbeing</td>
</tr>
<tr>
<td>Description</td>
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<td>Designed for students with little exercise experience, or those desiring to add a gentle form of exercise to their routine. Focus will be on walking for health and lifetime fitness. Includes a variety of campus walks designed to improve physical, mental, and emotional well-being will be introduced. Students will learn proper walking posture and gait as well as appropriate warm and cool down activities. Brief discussions on topics such as components of physical fitness, nutrition, benefits of walking, motivation, physiological adaptations and well as strength, flexibility, and recovery modalities to improve the walking experience.</td>
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<tr>
<td>PHYSEDU112</td>
<td>112</td>
<td>Running</td>
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<tr>
<td>Description</td>
<td></td>
<td>This course will focus on gaining cardiovascular fitness through running. Students of all levels are welcome and will be allowed to progress at their own level. Students will be exposed to proper running and training techniques, gait analysis, core, and upper body strength modalities to improve running economy, flexibility, recovery, nutrition, and knowledge of proper heart rate training zones. The class will alternate through track sets, short and long tempo runs, hill repeats, and recovery runs. Students will also gain an understanding of how running can enhance one's overall fitness program.</td>
</tr>
</tbody>
</table>
PHYSEDU113 - Weight Training

Subject       Catalog Number   Title
PHYSEDU        113             Weight Training

Description
Develop and implement an individualized weight training program. Learn program design parameters for different goals (bulking, toning, strength, power), proper form for a variety of exercises and equipment, periodization, and safety.

PHYSEDU115 - Fitness for First Years

Subject       Catalog Number   Title
PHYSEDU        115             Fitness for First Years

Description
This course emphasizes both cardiovascular conditioning and strength training. Get to know fellow first-year students and learn how to design, implement, and progress a personalized fitness program using a variety of exercise formats and equipment. Open only to first-year students.

PHYSEDU116 - Weight Training for Women

Subject       Catalog Number   Title
PHYSEDU        116             Weight Training for Women

Description
Appropriate for individuals with no experience through regular weight trainers. Emphasizes learning a variety of exercises, proper form, and designing an individualized program. Equipment/exercises covered include machines, free weights, cables, TRX, kettlebells, plyometrics, functional, circuit, and core training. Related topics include weight room safety and etiquette, workout design strategies, pre/post workout nutrition, flexibility/mobility, periodization, and basic muscle anatomy and physiology. Initially workouts will be provided; later students will implement an individualized program. One class per week will include a brief discussion on relevant topics and techniques.

PHYSEDU117 - Fusion Fitness for Women

Formerly called Fitness for Women. Combines strength and cardiovascular training using a variety of equipment and settings (weight room, studio, outdoors) to provide an efficient and challenging program to develop strength, endurance, flexibility and coordination.

PHYSEDU118 - Personal Trainer Certification

Subject       Catalog Number   Title
PHYSEDU        118             Personal Trainer Certification

Description
Introduces the knowledge and physical skills needed to prepare for the ACE Personal Training Certification exam and become an effective personal trainer (sitting for the PT Certification exam is optional). Topics include fitness assessment and exercise program design for different exercise goals, as well as business and organizational practices for conducting personal training sessions.

PHYSEDU121 - Basketball for Women

Subject       Catalog Number   Title
PHYSEDU        121             Basketball for Women

Description
This course will develop individual and team basketball skills through drills, small side play, and full court games. Offensive topics include shooting, passing, rebounding, fast break, cutting, screening, and perimeter and post moves. Defensive topics will include defensive stance, defending on and off the ball, defending the screen, post, and inbounding, and defensive transition.
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<tr>
<th>Subject</th>
<th>Catalog Number</th>
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<tr>
<td>PHYSEDU</td>
<td>122</td>
<td>Basketball</td>
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<tr>
<td>Subject</td>
<td>Catalog Number</td>
<td>Title</td>
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<tr>
<td>PHYSEDU</td>
<td>124</td>
<td>Fencing</td>
</tr>
<tr>
<td>Description</td>
<td></td>
<td>Foils, epee, and saber.</td>
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<tr>
<td>Subject</td>
<td>Catalog Number</td>
<td>Title</td>
</tr>
<tr>
<td>PHYSEDU</td>
<td>125</td>
<td>Soccer</td>
</tr>
<tr>
<td>Description</td>
<td></td>
<td>Basic soccer skills.</td>
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<tr>
<td>Subject</td>
<td>Catalog Number</td>
<td>Title</td>
</tr>
<tr>
<td>PHYSEDU</td>
<td>126</td>
<td>Volleyball</td>
</tr>
<tr>
<td>Description</td>
<td></td>
<td>Increase volleyball knowledge and skill through rules presentation, skill practice, and tournament play. Topics include passing, serving, setting, hitting, offense, defense, and outdoor play.</td>
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<tr>
<td>Subject</td>
<td>Catalog Number</td>
<td>Title</td>
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<tr>
<td>PHYSEDU</td>
<td>131</td>
<td>Golf Level 1</td>
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<tr>
<td>Description</td>
<td></td>
<td>This course is designed for beginner students who have little to no experience in golf skills. Emphasizes learning the fundamentals, practicing different parts of the game, how to play a hole, understanding the rule book, and the spirit of the game. Topics include purpose, grip, posture, alignment, and ball position for different clubs; terminology; swing fundamentals; and technique for putting, chipping, pitching and full swing skills. Semester will start on and around the putting green, then lead into full swing with all different equipment. Video analysis of student's swing will be done during semester.</td>
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<tr>
<td>Subject</td>
<td>Catalog Number</td>
<td>Title</td>
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<tr>
<td>PHYSEDU</td>
<td>132</td>
<td>Golf Level 2</td>
</tr>
<tr>
<td>Description</td>
<td></td>
<td>This course is for students with intermediate skills who have practiced and played golf for several months to years. Emphasis on practice techniques to target strengths and weaknesses along with understanding the rules of the game. Topics and skills will cover the full swing with all clubs from short irons thru metal clubs, including putting, chipping, pitching and sand play. Learn to understand your swing thru video analysis and practice techniques.</td>
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<tr>
<td>Subject</td>
<td>Catalog Number</td>
<td>Title</td>
</tr>
<tr>
<td>PHYSEDU</td>
<td>133</td>
<td>Golf Level 3</td>
</tr>
<tr>
<td>Description</td>
<td></td>
<td>This class is for students that have played several years with advanced golf skills in all parts of the game, including some competitive rounds, and have an established handicap under 18. Emphasizes refining practice techniques and using video analysis to better understand your swing. Topics include review of equipment from driver to putter, working on all areas of game from short game to full swing, targeting specific areas of game to improve score, improve impact and direction of all shots by understanding distance control and spin, and how to use and look up rules in USGA rule book.</td>
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<tr>
<td>Subject</td>
<td>Catalog Number</td>
<td>Title</td>
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<tr>
<td>PHYSEDU</td>
<td>135</td>
<td>Level 1 Swimming</td>
</tr>
<tr>
<td>Description</td>
<td></td>
<td>Intended for students with no formal swimming experience who need to learn the foundation of swimming skills. Will focus on free style, backstroke, putting their face in the water, gaining self confidence in the water, water safety.</td>
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<tr>
<td>Subject</td>
<td>Catalog Number</td>
<td>Title</td>
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<tr>
<td>PHYSEDU</td>
<td>136</td>
<td>Level 2 Swimming</td>
</tr>
<tr>
<td>PHYSEDU</td>
<td>137</td>
<td>Level 3 Swimming</td>
</tr>
<tr>
<td>PHYSEDU</td>
<td>143</td>
<td>Tennis Level 1</td>
</tr>
<tr>
<td>PHYSEDU</td>
<td>144</td>
<td>Tennis Level 2</td>
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<tr>
<td>PHYSEDU</td>
<td>145</td>
<td>Advanced Tennis</td>
</tr>
<tr>
<td>PHYSEDU</td>
<td>146</td>
<td>Pickleball Level 1</td>
</tr>
</tbody>
</table>
PHYSEDU147 - Pickleball Level 2

**Subject**  PHYSEDU
**Catalog Number**  147
**Title**  Pickleball Level 2

**Description**
This course is for students who have previous Pickleball experience, or a USA Pickleball rating of 3.0-4.0+. The focus is on progressing the knowledge and skills required to play competitive Pickleball. Topics covered include understanding rules, further developing all shots/strokes, greater understanding of technical and tactical elements, and use of strategy. Skill-based drills and games will be used throughout the semester to progress students to playing full regulation doubles and singles games.

PHYSEDU150 - Social Dancing

**Subject**  PHYSEDU
**Catalog Number**  150
**Title**  Social Dancing

**Description**
Develop the necessary skills to perform traditional ballroom dances such as the Fox Trot, Waltz, Rumba, Tango, Swing, and Cha-Cha along with an introduction to dance forms from a variety of cultures. By engaging in social dances, students will learn how to be successful followers, as well as successful leaders, increase confidence levels, and build upon social skills. Students will also practice patience, and perseverance throughout the semester, as well as how to adjust and adapt quickly to different situations. Most importantly, students will take with them the knowledge and skill of lifetime fitness through social dance.

PHYSEDU152 - Latin Dance

**Subject**  PHYSEDU
**Catalog Number**  152
**Title**  Latin Dance

**Description**
Merengue, Salsa, Bachata, Cha-Cha, Rumba and others. Students are encouraged to register for the waitlist as the instructor will take students off the waitlist to create an even number of leads and follows.

PHYSEDU159 - Self Defense for Women

**Subject**  PHYSEDU
**Catalog Number**  159
**Title**  Self Defense for Women

**Description**
Learn practical and realistic skills for self-protection and defense for women.

PHYSEDU160 - Mixed Martial Arts Training

**Subject**  PHYSEDU
**Catalog Number**  160
**Title**  Mixed Martial Arts Training

**Description**
A high energy workout designed to develop physical fitness while learning realistic self-defense, kick boxing, and ground fighting techniques, to provide the student with a wide self-defense system.

PHYSEDU161 - Aikido

**Subject**  PHYSEDU
**Catalog Number**  161
**Title**  Aikido

**Description**
Focuses on cooperation rather than competition. Partner practice maximizes the fluidity of delivering the attack, handling an attack, and skills for staying safe.

PHYSEDU162 - Intermediate Aikido

**Subject**  PHYSEDU
**Catalog Number**  162
**Title**  Intermediate Aikido

**Description**
More advanced training for Aikido techniques and more fun. If you've seen movies where the actor rolls across the car you've seen an Aikido roll. Recommended prerequisite: one semester of martial arts and rolling skills.

PHYSEDU163 - Tae Kwon Do/Karate

**Subject**  PHYSEDU
**Catalog Number**  163
**Title**  Tae Kwon Do/Karate

**Description**
Emphasis on teaching excellence, personal attention, and tradition. Covers variety of self-defense technique and fundamentals, which include basic blocks, punches, kicks, joint manipulations, falling techniques, sparring skills (World Taekwondo Federation system), flexibility, and conditioning. Etiquette, history, and philosophy of Tae Kwon Do are also taught during class.
<table>
<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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<tbody>
<tr>
<td>PHYSEDU</td>
<td>165</td>
<td>Tai Chi</td>
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<tr>
<td>Description</td>
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<tr>
<td>This course is for students with minimal to no prior experience in Tai Chi. Tai Chi is an ancient Chinese martial art developed over many centuries for strengthening physical and mental health as well as martial arts training. Classes start with traditional warmups, a series of breathing exercises, then transitions into form training. Every week new movements of the form will be taught. Movements of the form previously taught will be reviewed and refined. By the end of the semester the entire Chen Essential Tai Chi Short Form will be learned and refined.</td>
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<th>Subject</th>
<th>Catalog Number</th>
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<tbody>
<tr>
<td>PHYSEDU</td>
<td>166</td>
<td>Intermediate Tai Chi</td>
</tr>
<tr>
<td>Description</td>
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<tr>
<td>Internal martial art develops belly muscles with breathing as the key to moving power and energy. Instructor continues to show applications of Tai Chi through study of Chen long form. Push hands partner practice.</td>
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<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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<tbody>
<tr>
<td>PHYSEDU</td>
<td>167</td>
<td>Aikido: Japanese Sword and Staff</td>
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<tr>
<td>Description</td>
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<tr>
<td>This course is for students with little to no experience in Aikido. Aikido sword and staff forms were developed to protect oneself from multiple attackers and involve whole body movements for maximum safety and power. By using traditional Aikido weapons, we develop coordination, flexibility, and strength in joints, muscles &amp; tendons. Aikido weapons are used in solo and partner practices in a non-competitive manner. Emphasis is on increasing self-awareness of the mind/body connection, helping us to improve our own physical and emotional balance. Classes are broken into three parts: warmups, solo and partner practices. The founder of Aikido said, 'the Art of peace begins with you.'</td>
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<th>Subject</th>
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<tbody>
<tr>
<td>PHYSEDU</td>
<td>170</td>
<td>Yoga Level 1</td>
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<td>Description</td>
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<tr>
<td>This beginner course is for students with limited or no prior yoga experience. This course introduces the student to foundational yoga philosophy as well as the physical and mindful aspects of yoga. Topics covered will include breathing techniques, postures, alignment, anatomy, meditation, mindfulness, the eight limbs of yoga, various styles of yoga, lifelong benefits of yoga and strategies for maintaining a yoga practice. Each class will introduce a yoga-related topic followed by a series of poses that build on previous lessons. Relaxation and meditation techniques will be practiced in every class.</td>
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<tbody>
<tr>
<td>PHYSEDU</td>
<td>171</td>
<td>Yoga Level 2</td>
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<td>Description</td>
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<tr>
<td>Yoga Level 2 is a progression of Yoga Level 1. Students in this course should have completed Yoga Level 1 or have at least one year of yoga experience. This course focuses on expanding and deepening the student's understanding of yoga philosophy as well as the physical and mindful aspects of yoga. Topics covered will include discussions regarding various yoga texts and current research, breathing techniques, mindfulness and meditation, anatomy, sequencing, bandhas, chakras and inversions. Each class will introduce a yoga-related topic followed by a series of poses that build on previous lessons.</td>
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<th>Subject</th>
<th>Catalog Number</th>
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<tbody>
<tr>
<td>PHYSEDU</td>
<td>172</td>
<td>Massage Therapy</td>
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<td>Description</td>
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<tr>
<td>Emphasis on techniques and philosophies of massage therapy which enhance the connection of body, mind, and spirit. Benefits and healing potential. Techniques which can be integrated into a healthier lifestyle.</td>
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</tbody>
</table>
PHYSEDU173 - Yoga for First Years

Subject: PHYSEDU  
Catalog Number: 173  
Title: Yoga for First Years

Description
An introduction to hatha yoga and yoga philosophy with a focus on balance, strength and flexibility of mind, body, and breath. Open to first year students only to provide opportunities for class bonding and to encourage balance and mindfulness during the adjustment to Duke life.

PHYSEDU174 - Yoga for Athletes

Subject: PHYSEDU  
Catalog Number: 174  
Title: Yoga for Athletes

Description
This class is for active students with moderate to no previous yoga experience. Students will gain flexibility, balance, and strength to improve form, prevent injuries, and enhance participation in other activities and sports. Class will include mindfulness meditation, core integration and strengthening, balance work, and a series of poses and progressions built upon weekly. Props such as blocks, bands, and discs are introduced. Focus on breath control posture is emphasized through each class. Relaxation and recovery techniques will also be covered at the end of each class.

PHYSEDU180 - Outdoor Recreation

Subject: PHYSEDU  
Catalog Number: 180  
Title: Outdoor Recreation

Description
Provides an introduction to basic skills and concepts in a variety of outdoor adventure pursuits. Covers trip planning, menu preparation, cooking, orienteering, navigation, first aid and safety, with emphasis on ‘learning by doing’. Focus is on the fundamentals of backcountry camping, with an introduction to climbing, mountain biking, and kayaking. Includes a 1-2 night trip.

PHYSEDU181 - Rock Climbing

Subject: PHYSEDU  
Catalog Number: 181  
Title: Rock Climbing

Description
Designed for students with minimal or no experience in rock climbing. Includes top rope climbing technique, fitness, rappelling, anchor systems, and other topics.

PHYSEDU183 - Kayaking

Subject: PHYSEDU  
Catalog Number: 183  
Title: Kayaking

Description
Prepares students to kayak intermediate rivers with focus on safety, enjoyment, and skill. Topics include equipment, boat control, advanced paddle techniques and boat maneuvers, river classification, trip planning, and fitness. Includes 1-2 night class trip.

PHYSEDU184 - SCUBA Diving

Subject: PHYSEDU  
Catalog Number: 184  
Title: SCUBA Diving

Description
Covers knowledge and skills for open water SCUBA dives, including equipment, skills, history, physiology, and safety protocols. Learn to assemble, disassemble, check and use all equipment; and practice safety skills, buddy rescue, snorkeling, free diving, and work up to SCUBA diving in the dive well. After successful completion of course, student is eligible for a SCUBA certification dive, but this dive is not included in the class schedule or fee.
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<th>Subject</th>
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<th>Description</th>
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<tbody>
<tr>
<td>PHYSEDU</td>
<td>186</td>
<td><strong>PHYSEDU186 - Stand Up Paddleboard Fitness</strong></td>
<td>This course will introduce students to various aspects of Stand Up Paddleboarding (SUP) including: paddling technique, strokes, turns, water safety, SUP yoga, SUP fitness and SUP bootcamp. Using the SUP, students will have a chance to improve core strength and stability, improve cardiorespiratory fitness level, increase muscular strength and endurance and improve flexibility.</td>
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<tr>
<td>PHYSEDU</td>
<td>189</td>
<td><strong>PHYSEDU189 - Campus Recreation</strong></td>
<td>Offers an introduction to activities, programs and services that are commonly offered through recreation programs in a collegiate setting. Students will learn about and participate in activities associated with aquatics, fitness, intramurals, outdoor adventures, special events and sport clubs.</td>
</tr>
<tr>
<td>PHYSEDU</td>
<td>190</td>
<td><strong>PHYSEDU190 - Care and Prevention of Athletic Injuries</strong></td>
<td>Basic instruction in prevention, recognition, care, and rehabilitation of athletic-related injuries.</td>
</tr>
<tr>
<td>PHYSEDU</td>
<td>192</td>
<td><strong>PHYSEDU192 - Independent Study</strong></td>
<td>Individual non-research directed study in a field of special interest on a previously approved topic, under the supervision of a faculty member, resulting in an academic product.</td>
</tr>
<tr>
<td>PHYSEDU</td>
<td>204</td>
<td><strong>PHYSEDU204 - Women's Health</strong></td>
<td>Introduces students to a variety of women’s health issues, as well as mental, physical, emotional, social, and environmental factors affecting college-aged women. A practical, hands-on approach will emphasize information, resources, and skills to help students achieve and maintain a healthy lifestyle. Topics include exercise, nutrition, stress and resilience, sleep, substance use, sexual health, mental health, chronic disease, and behavior change models.</td>
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<td>Subject</td>
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<tr>
<td>PHYSEDU</td>
<td>205</td>
<td>Health Effects of Exercise</td>
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<td></td>
<td></td>
<td><strong>Description</strong></td>
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<tr>
<td></td>
<td></td>
<td>Examines the physical and mental health</td>
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<td>benefits and risks of exercise, including</td>
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<td>prevention and treatment effects for</td>
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<td></td>
<td></td>
<td>cardiovascular disease, diabetes, cancer,</td>
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<td>depression, anxiety, dementia and</td>
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<td>improvements in cognitive function. Course</td>
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<td></td>
<td>includes a service-learning component</td>
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<td>where students work in the community a</td>
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<td>minimum of 20 hours across the semester to</td>
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<td>promote physical activity.</td>
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<th>Subject</th>
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<tbody>
<tr>
<td>PHYSEDU</td>
<td>206</td>
<td>Exercise Physiology</td>
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<tr>
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<td></td>
<td><strong>Description</strong></td>
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<tr>
<td></td>
<td></td>
<td>Reviews physiological adaptations</td>
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<td></td>
<td></td>
<td>(cardiorespiratory, musculoskeletal,</td>
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<td></td>
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<td>nervous, endocrine) that occur with</td>
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<td>exercise training leading to improved</td>
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<td>health and performance. Examines practical</td>
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<td></td>
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<td>applications such as workout design,</td>
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<td>nutrition, fitness testing, and body</td>
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<td>composition management.</td>
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<tbody>
<tr>
<td>PHYSEDU</td>
<td>207</td>
<td>Exercise and Mental Health</td>
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<tr>
<td></td>
<td></td>
<td><strong>Description</strong></td>
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<tr>
<td></td>
<td></td>
<td>Examines the neural and psychological</td>
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<td></td>
<td>correlates of exercise that influence</td>
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<td>mental and cognitive health. Explores</td>
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<td>exercise guidelines and theories of</td>
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<td>exercise behaviors. Topics include</td>
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<td>exercise and depression, anxiety, stress,</td>
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<td></td>
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<td>self-esteem, body image, circadian</td>
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<td></td>
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<td>rhythms, learning, dementia, and</td>
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<td></td>
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<td>mental states and performance.</td>
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<th>Title</th>
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<tbody>
<tr>
<td>PHYSEDU</td>
<td>208</td>
<td>Hot Topics in Health and Wellness</td>
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<tr>
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<td></td>
<td><strong>Description</strong></td>
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<tr>
<td></td>
<td></td>
<td>This course will provide an overview of</td>
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<td></td>
<td></td>
<td>the major dimensions of health and</td>
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<td></td>
<td></td>
<td>wellness, with specific current issues to</td>
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<td></td>
<td></td>
<td>be explored within each component.</td>
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<td>Emphasis will be on information, resources,</td>
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<td>and skills to help students achieve and</td>
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<td></td>
<td></td>
<td>maintain a healthy lifestyle, as well as an</td>
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<td></td>
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<td>understanding of the broader health issues</td>
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<td></td>
<td></td>
<td>facing society. Taught online.</td>
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<tbody>
<tr>
<td>PHYSEDU</td>
<td>212</td>
<td>Sports Media</td>
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<tr>
<td></td>
<td></td>
<td><strong>Description</strong></td>
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<tr>
<td></td>
<td></td>
<td>Examine the production and consumption of</td>
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<td></td>
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<td>information through various media forms</td>
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<td></td>
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<td>and the impact it has on influencing and</td>
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<td></td>
<td>shaping the sports industry. Topics include</td>
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<td>content development and delivery through</td>
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<td>television, radio, newspaper, and the</td>
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<td></td>
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<td>internet, image shaping through the media,</td>
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<td>regulatory issues, intellectual property</td>
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<tr>
<td></td>
<td></td>
<td>and content, market coverage and current</td>
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<td></td>
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<td>hot topics.</td>
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<tbody>
<tr>
<td>PHYSEDU</td>
<td>220</td>
<td>History and Issues of Sports</td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>Description</strong></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Sports from ancient to modern times with</td>
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<td></td>
<td>an emphasis on sports in America. Not open</td>
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<td>to students who have taken this course as</td>
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<td></td>
<td>Health, Physical Education, and Recreation</td>
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<th>Title</th>
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<tbody>
<tr>
<td>PHYSEDU</td>
<td>221</td>
<td>Administration in Sports Management</td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>Description</strong></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Philosophy, financial structure,</td>
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<td></td>
<td>administrative structure, fund-raising,</td>
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<td>NCAA legislation, personnel decisions,</td>
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<td></td>
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<td>and scheduling events.</td>
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<tr>
<td>PHYSEDU</td>
<td>222</td>
<td>Sports Marketing</td>
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<tr>
<td></td>
<td></td>
<td><strong>Description</strong></td>
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<tr>
<td></td>
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<td>The multi-faceted elements associated with</td>
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<td>marketing within the sports industry.</td>
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<tr>
<td>Subject</td>
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<tr>
<td>PHYSEDU</td>
<td>223</td>
<td>Sport Ethics</td>
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<td>PHYSEDU</td>
<td>224</td>
<td>Sport Finance</td>
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<td>PHYSEDU</td>
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<td>Sports Leadership Development</td>
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<tr>
<td>PHYSEDU</td>
<td>240</td>
<td>Theory and Practice of Coaching</td>
</tr>
<tr>
<td>PHYSEDU</td>
<td>241</td>
<td>Psychology of Sport and Performance</td>
</tr>
<tr>
<td>Subject</td>
<td>Catalog Number</td>
<td>Title</td>
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<tr>
<td>PHYSEDU</td>
<td>89S</td>
<td>First-Year Seminar</td>
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**Description**
Topics vary each semester offered.

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<tbody>
<tr>
<td>PHYSICS</td>
<td>111</td>
<td>Introduction to Selected Topics in Modern Physics</td>
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</table>

**Description**
Introduction to selected topics in Modern Physics explores some major sub-disciplines of modern physics and their (potential) applications in industry/research. Students learn why society invests so much in physics and what it gets in return, from the origins of electronic devices and novel materials tackling the energy crisis to the large-scale structure of our universe. Students will build up an understanding that modern technologies are developed based on physics, i.e., application of laser in medical treatment, magnetic levitation, etc. This course serves as an introductory course to give them a taste of modern physics and to inspire their interest in physics. Students will work both independently and in small groups to solve problems, prepare and present outreach-style essays in a peer-reviewed approach.

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<tbody>
<tr>
<td>PHYSICS</td>
<td>131</td>
<td>Introductory Lecture on Big Questions in Physics</td>
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</tbody>
</table>

**Description**
Introduction to six big questions representing frontiers of twenty-first-century physics, such as what are the ultimate laws of nature, how does complex structure arise, and how can physics benefit society. Classes will involve presentations by researchers and by students, discussions of journal articles, and tours of physics labs involved with related research. Recommended prerequisite: precalculus and at least one quantitative science course at the high school level, such as chemistry or physics.

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<tbody>
<tr>
<td>PHYSICS</td>
<td>131-1</td>
<td>Introductory Lecture on Big Questions in Physics</td>
</tr>
</tbody>
</table>

**Description**
Introduction to six big questions representing frontiers of twenty-first-century physics, such as what are the ultimate laws of nature, how does complex structure arise, and how can physics benefit society. Classes will involve presentations by researchers and by students, discussions of journal articles, and tours of physics labs involved with related research. Recommended prerequisite: precalculus and at least one quantitative science course at the high school level, such as chemistry or physics.
### PHYSICS133 - The Physics of Sports

**Subject** | **Catalog Number** | **Title**
--- | --- | ---
PHYSICS | 133 | The Physics of Sports

**Description**
Examines the physics behind a wide variety of sports, including football, baseball, hockey, soccer, track and field, swimming, and many others. Illuminates how scientific concepts such as force, momentum and energy provide a deeper understanding and appreciation of common sports plays seen or made on the field.

### PHYSICS134 - Introduction to Astronomy

**Subject** | **Catalog Number** | **Title**
--- | --- | ---
PHYSICS | 134 | Introduction to Astronomy

**Description**
How observation and scientific insights can be used to discover properties of the universe. Topics include an appreciation of the night sky, properties of light and matter, the solar system, how stars evolve and die, the Milky Way and other galaxies, the evolution of the universe from a hot Big Bang, exotic objects like black holes, and the possibility for extraterrestrial life. Prerequisite: high-school-level knowledge of algebra and geometry.

### PHYSICS136 - Acoustics and Music

**Subject** | **Catalog Number** | **Title**
--- | --- | ---
PHYSICS | 136 | Acoustics and Music

**Description**
An introduction to the physics underlying the production, transmission, and reception of musical sounds. Topics covered include sound waves and room acoustics; analysis of pitch, timbre, and loudness; the chromatic scale and tuning systems; resonance and the physics of strings, winds, and brass instruments and the human voice; and the structure of the human ear. Students complete and present an original research project. No previous knowledge of physics assumed.

### PHYSICS137S - Energy in the 21st Century and Beyond

**Subject** | **Catalog Number** | **Title**
--- | --- | ---
PHYSICS | 137S | Energy in the 21st Century and Beyond

**Description**
Concepts of energy from a scientific perspective for understanding problems of energy conversion, storage, and transmission in modern society. Topics include fundamental concepts (kinetic and potential energy, heat, basic thermodynamics, mass-energy equivalence), established power generation methods and their environmental impacts, emerging and proposed technologies (solar, wind, tidal, advanced fusion concepts). Final team project. Sophomores, juniors, and seniors from non-science majors are particularly encouraged to attend; no previous knowledge of physics is assumed.

### PHYSICS139S - Physics and Society: Nuclear Energy

**Subject** | **Catalog Number** | **Title**
--- | --- | ---
PHYSICS | 139S | Physics and Society: Nuclear Energy

**Description**
Core topics include: science and technology of mass-scale generation of electrical power; history, science and technology of nuclear fission reactors; methods for comparing the cost of different energy generating technologies (from mining raw materials, to constructing power plants, to disposal of byproduct and environmental cleanup, to decommission of power plants); and political and international security issues associated with nuclear fission power reactor technology. This course is highly recommended for juniors and seniors with non-science majors. Not open to students having credit for Physics 137S.

### PHYSICS141D - General Physics I (DIS)

**Subject** | **Catalog Number** | **Title**
--- | --- | ---
PHYSICS | 141D | General Physics I (DIS)

**Description**
Recitation component for Physics 141L.
PHYSICS141L - General Physics I

Subject: PHYSICS  
Catalog Number: 141L  
Title: General Physics I

Description
First part of a two-semester calculus-based course suitable for students in the life sciences. Core topics: kinematics, dynamics, systems of particles, conservation laws, statics, fluids, oscillations, waves. Physics 141 either has either a lecture component supplemented by lab and discussion sections, or one integrated team-based learning arrangement. Physics majors should enroll in Physics 161D/164L, 162D/165L in their first year. Not recommended for students with credit for Physics 151L, 152L, 161D. Recommended prerequisite: college calculus (Mathematics 21, Mathematics 105 and 106, or Mathematics 111). Mathematics 122 also recommended (may be taken concurrently).

PHYSICS141L9 - General Physics I (Lab)

Subject: PHYSICS  
Catalog Number: 141L9  
Title: General Physics I (Lab)

Description
Lab component for Physics 141L.

PHYSICS141LA - General Physics I

Subject: PHYSICS  
Catalog Number: 141LA  
Title: General Physics I

Description
First part of a two-semester calculus-based course for students in health or life sciences. Core topics: kinematics, dynamics, systems of particles, conservation laws, statics, fluids, oscillations, waves. Other possible topics: sound, diffusion, thermodynamics, selected applications. For credit, enrollment in Physics 141LA lecture, lab and discussion sections required. Physics majors should enroll in Physics 161D/164L, 162D/165L in their first year. Not recommended for students with credit for Physics 151L, 152L, 161D. Recommended prerequisite: one year of college calculus such as Mathematics 105L, 106L, 21. Mathematics 122 recommended. Open only to students in the Duke Marine Lab. Taught in Beaufort at Duke Marine Lab.

PHYSICS142L - General Physics II

Subject: PHYSICS  
Catalog Number: 142L  
Title: General Physics II

Description
The second semester of a calculus-based course for students in health or life sciences. Core topics: electric fields, circuits, magnetic fields, Faraday’s law, Maxwell’s equations, electromagnetic waves, properties of light, geometric optics, wave optics. Additional possible topics: optical instrumentation, quantum physics, selected applications. Students must enroll in a lecture (Physics 142L), a lab (Physics 142L9), and a discussion section (Physics 142L9D) to receive credit. Closed to students having credit for Physics 152L, 153L or 162D. Prerequisites: Physics 141L, 151L, or 161D.

PHYSICS142L9 - General Physics II (LAB)

Subject: PHYSICS  
Catalog Number: 142L9  
Title: General Physics II (LAB)

Description
Lab component for Physics 142L.

PHYSICS142L9D - General Physics II (Discussion)

Subject: PHYSICS  
Catalog Number: 142L9D  
Title: General Physics II (Discussion)

Description
Discussion components for Physics 142L.
PHYSICS142LA - General Physics II

Subject: PHYSICS
Catalog Number: 142LA
Title: General Physics II

Description:
The second semester of a calculus-based course for students in health or life sciences. Core topics: electric fields, circuits, magnetic fields, Faraday's law, Maxwell's equations, electromagnetic waves, properties of light, geometric optics, wave optics. Additional possible topics: optical instrumentation, quantum physics, selected applications. Students must enroll in Physics 142LA lecture, lab and discussion sections to receive credit. Closed to students having credit for Physics 152L, 153L or 162D. Prerequisite: Physics 141L, 141LA, 151L, or 161D. Open only to students in the Duke Marine Lab. Taught in Beaufort at Duke Marine Lab.

PHYSICS151L - Introductory Mechanics

Subject: PHYSICS
Catalog Number: 151L
Title: Introductory Mechanics

Description:
The fundamentals of classic physics. Topics include: vectors, units, Newton's Laws, static equilibrium, motion in one and two dimensions, rotation, conservation of momentum, work and energy, gravity, simple and chaotic oscillations. Numerical methods used to solve problems in a workstation environment. Intended principally for non-physics majors in the physical sciences and engineering. Students planning a major in physics should enroll instead in Physics 141L, 141LA, 151L, or 161D. Prerequisite: Mathematics 21, 122, or equivalent; Mathematics 122 may be taken concurrently with Physics 151L.

PHYSICS151L9 - Introductory Mechanics

Subject: PHYSICS
Catalog Number: 151L9
Title: Introductory Mechanics

Description:
Laboratory component of Physics 151L.

PHYSICS151L9D - Introductory Mechanics (Discussion Component)

Subject: PHYSICS
Catalog Number: 151L9D
Title: Introductory Mechanics (Discussion Component)

Description:
Recitation component for Physics 151L Lecture.

PHYSICS152L - Introductory Electricity, Magnetism, and Optics

Subject: PHYSICS
Catalog Number: 152L
Title: Introductory Electricity, Magnetism, and Optics

Description:
Intended principally for students in engineering and the physical sciences. Topics include: electric charge, electric fields, Gauss’s Law, potential, capacitance, electrical current, resistance, circuit concepts, magnetic fields, magnetic and electric forces, Ampere’s Law, magnetic induction, Faraday’s Law, inductance, Maxwell’s Equations, electromagnetic waves, elementary geometric optics, wave interference, and diffraction. Prerequisites: Physics 151L and Mathematics 122 or equivalents.

PHYSICS152L9 - Introductory Electricity, Magnetism, and Optics (Lab Component)

Subject: PHYSICS
Catalog Number: 152L9
Title: Introductory Electricity, Magnetism, and Optics (Lab Component)

Description:
Laboratory component of Physics 152L.
<table>
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<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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<tbody>
<tr>
<td>PHYSICS</td>
<td>152L9D</td>
<td>Introductory Electricity, Magnetism, and Optics (Discussion Component)</td>
</tr>
</tbody>
</table>

**Description**
Discussion Component of Physics 152L.

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<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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<tbody>
<tr>
<td>PHYSICS</td>
<td>153L</td>
<td>Applications of Physics: A Modern Perspective</td>
</tr>
</tbody>
</table>

**Description**
Intended principally for students in engineering and the physical sciences as a continuation of Physics 152L. Topics include: mechanics from a microscopic perspective, the atomic nature of matter, energy, energy quantization, entropy, the kinetic theory of gases, the efficiency of engines, electromagnetic radiation, the photon nature of light, physical optics and interference, waves and particles, applications of wave mechanics. For credit, enrollment in Physics 153L, lab and discussion (Physics 153L9, 153D) sections required. Prerequisite: Physics 26, 142L, 152L, or 162D and Mathematics 212, or permission of instructor.

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<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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<tbody>
<tr>
<td>PHYSICS</td>
<td>160</td>
<td>Frontiers of 21st Century Physics</td>
</tr>
</tbody>
</table>

**Description**
This course is a one-semester introduction to current research topics in physics, organized around six 'Big Questions' in physics, including: what are the ultimate laws of nature, how does complex structure arise, and how can physics benefit society? This course is more quantitative than 131S and is designed for prospective physics majors as well as those interested in deeper understanding of the physical world. Prerequisites: Precalculus and at least one quantitative science course at the high school level, such as chemistry or physics.

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<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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<tbody>
<tr>
<td>PHYSICS</td>
<td>161D</td>
<td>Fundamentals of Physics I</td>
</tr>
</tbody>
</table>

**Description**
First semester of a two-semester sequence intended for potential physics or biophysics majors. Course discusses vector algebra, description of motion, Newton's laws, work and energy, systems of particles, conservation laws, rotation, gravity, mechanics of fluids, oscillations, mechanical waves, and sound. Prerequisites: Mathematics 21 and 122 or equivalents; Mathematics 122 may be taken concurrently. Recommended that course is taken concurrently with Physics 164L.
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<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>PHYSICS162D</td>
<td>162D</td>
<td>Fundamentals of Physics II</td>
</tr>
<tr>
<td>PHYSICS163D</td>
<td>163D</td>
<td>Fundamentals of Mechanics and Electromagnetism</td>
</tr>
<tr>
<td>PHYSICS164L</td>
<td>164L</td>
<td>Introductory Experimental Physics I</td>
</tr>
<tr>
<td>PHYSICS165L</td>
<td>165L</td>
<td>Introductory Experimental Physics II</td>
</tr>
</tbody>
</table>

**PHYSICS162D - Fundamentals of Physics II**

**Description**
Second semester of a two-semester sequence intended for potential physics or biophysics majors. Course discusses basic principles and applications of electrodynamics, including electric fields, Gauss's Law, electric potential, capacitance, DC and AC circuits, magnetic fields, Ampere's Law, electric and magnetic forces, magnetic induction, Maxwell's equations, electromagnetic waves, properties of light, ray optics, and wave optics. Prerequisites: Physics 161D and Math 122 or consent from instructor. Recommended that course is taken concurrently with Physics 165L.

**PHYSICS163D - Fundamentals of Mechanics and Electromagnetism**

**Description**
One semester calculus-based course covering the fundamental principles of mechanics, electricity, magnetism, and optics. This team-based course covers topics of Physics 161D and 162D that are not included in the high school AP Physics C curriculum, including fluids, damped and driven oscillations, waves, sound, AC circuits, Maxwell's equations, light, geometric optics, and physical (wave) optics. Prerequisite: Physics 25, Physics 26, Mathematics 21, and Mathematics 122/122L (Mathematics 122/122L can be taken concurrently). Not open to students who have taken Physics 141L, 142L, 151L, 152L, 161D, or 162D.

**PHYSICS164L - Introductory Experimental Physics I**

**Description**
First in a series of half-courses on experimental physics techniques for physics and biophysics majors. Experiments focus on core physics concepts of mechanics: force, motion, conservation laws, and oscillations. Students work in teams and use computers to collect, visualize, and analyze data. Key components: written documentation of experimental procedures and results in a scientific notebook; interpreting results and testing hypotheses; coding (Python), experimental design and refinement; multiple opportunities for open-ended laboratory activities that inspire team and individual creativity.

**PHYSICS165L - Introductory Experimental Physics II**

**Description**
Second in series of half-courses on experimental physics techniques for physics and biophysics majors. Focus on core physics concepts of electricity, magnetism and optics: electrostatics, magnetostatics, magnetic induction, electromagnetic waves, geometrical and physical optics. Students work in teams and use computers to collect, visualize and analyze data. Key components: written documentation of experimental procedures and results in a scientific notebook; interpreting results and testing hypotheses; coding (Python), experimental design and refinement; multiple opportunities for open-ended laboratory activities that inspire team and individual creativity. Prerequisite: Physics 164L.
<table>
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<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>PHYSICS174</td>
<td>174</td>
<td>Introduction to Frontiers of Biophysics</td>
<td>Once-per-week class with goal of introducing students to representative frontiers of biophysics. Course will be a mixture of presentations by researchers, presentations by students of journal articles, and some lab tours. Prerequisites: Knowledge equivalent to Advanced Placement courses in biology, chemistry and physics, or with permission of the instructor.</td>
</tr>
<tr>
<td>PHYSICS175</td>
<td>175</td>
<td>Introduction to Physics in Medicine</td>
<td>The aim of the course is to introduce to physics and life science students the critical role of medical physics in medicine including clinical service, patient care, scientific innovation and clinical problem solving. Four main areas of professional activities will be covered: Radiation Therapy, Diagnostic Imaging, Health Physics, and Nuclear Medicine. The course will highlight key clinical challenges where medical physicists impact clinical practice and improve patient care and treatment outcomes. This introductory course will be taught by medical physics faculty who work in Duke Hospital Clinics and have joint appointments in the Duke Medical Physics Graduate Program. Prerequisite: Physics 141L/142L, 151L/152L, or 161L/162L.</td>
</tr>
<tr>
<td>PHYSICS190</td>
<td>190</td>
<td>Special Topics in Physics</td>
<td>Special topics in physics, intended for non-majors.</td>
</tr>
<tr>
<td>PHYSICS190S</td>
<td>190S</td>
<td>Special Topics in Physics</td>
<td>Special topics in physics, intended for non-majors.</td>
</tr>
<tr>
<td>PHYSICS190S-1</td>
<td>190S-1</td>
<td>Special Topics in Physics</td>
<td>Special topics in physics, intended for non-majors.</td>
</tr>
<tr>
<td>PHYSICS25</td>
<td>25</td>
<td>Introductory Physics I</td>
<td>Calculus-based Introductory Physics I. Prematriculation credit awarded for students who took a high school calculus-based introductory physics course concerning mechanics (including some material on sound, waves, and thermodynamics), and who got a sufficiently high score on the AP Physics C mechanics exam or on an equivalent national or international exam.</td>
</tr>
</tbody>
</table>
PHYSICS26 - Introductory Physics II
Subject: PHYSICS
Catalog Number: 26
Title: Introductory Physics II
Description: Calculus-based Introductory Physics II. Prematriculation credit awarded for students who took a high school calculus-based introductory physics course concerning electricity and magnetism (including some material on optics, diffraction, and interference), and who got a sufficiently high score on the AP Physics C electricity and magnetism exam or on an equivalent national or international exam.

PHYSICS264L - Optics and Modern Physics
Subject: PHYSICS
Catalog Number: 264L
Title: Optics and Modern Physics
Description: Third course in sequence for physics and biophysics majors. Introductory treatments of special relativity and quantum mechanics. Topics include: wave mechanics and interference; relativistic kinematics, energy and momentum; the Schrödinger equation and its interpretation; quantum particles in one-dimension; spin; fermions and bosons; the hydrogen spectrum. Applications to crystallography, semiconductors, atomic physics and optics, particle physics, and cosmology. Prerequisites: Physics 162D and Mathematics 212 or their equivalents.

PHYSICS271L - Electronics
Subject: PHYSICS
Catalog Number: 271L
Title: Electronics
Description: Elements of electronics including circuits, transfer functions, solid-state devices, transistor circuits, operational amplifier applications, digital circuits, and computer interfaces. Lectures and laboratory. Prerequisites: Physics 142L, 152L, or 162D, or equivalent; Mathematics 212 or equivalent.

PHYSICS305 - Introduction to Astrophysics
Subject: PHYSICS
Catalog Number: 305
Title: Introduction to Astrophysics
Description: Basic principles of astronomy treated quantitatively. Cosmological models, galaxies, stars, interstellar matter, the solar system, and experimental techniques. Mathematics 212 and Mathematics 216 strongly encouraged. Prerequisite: Physics 264L or instructor consent.

PHYSICS320L - Optics and Photonics
Subject: PHYSICS
Catalog Number: 320L
Title: Optics and Photonics
Description: Ray optics, wave optics, beam optics, resonators, atom-photons, interaction, interference, diffraction, polarization, lasers, light detection, electromagnetic optics. Laboratory experiments apply concepts in basic optics. Prerequisite: Electrical and Computer Engineering 270L or equivalent.

PHYSICS346 - Introduction to Methods and Concepts in Particle Physics
Subject: PHYSICS
Catalog Number: 346
Title: Introduction to Methods and Concepts in Particle Physics
Description: Particle physics is the study of the fundamental nature of the universe, including its fundamental constituents and the fields through which they interact. This course introduces our current understanding, starting with a review of special relativity and quantum mechanics, before discussing their application to particle physics, the importance of symmetries, experimental techniques (including introductions to how particle colliders and detectors work), statistical and computing methods for data analysis, philosophical considerations in our quest for a fundamental understanding, and prospects for the future. Prerequisite: Physics 264L. Recommended prerequisite: Physics 141L/142L, 151L/152L, or 161L/162L.
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<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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<tbody>
<tr>
<td>PHYSICS</td>
<td>361</td>
<td>Intermediate Mechanics</td>
</tr>
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</table>

**Description**

Newtonian mechanics at the intermediate level, Lagrangian mechanics, linear oscillations, chaos, dynamics of continuous media, motion in noninertial reference frames. Prerequisite: Mathematics 216 or equivalent (may be taken concurrently).

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<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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<tbody>
<tr>
<td>PHYSICS</td>
<td>362D</td>
<td>Electricity and Magnetism</td>
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</table>

**Description**

Electrostatic fields and potentials, boundary value problems, magnetic induction, energy in electromagnetic fields, Maxwell's equations, introduction to electromagnetic radiation. Prerequisite: Mathematics 216 or equivalent.

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<th>Subject</th>
<th>Catalog Number</th>
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<tr>
<td>PHYSICS</td>
<td>363</td>
<td>Thermal Physics</td>
</tr>
</tbody>
</table>

**Description**

Thermal properties of matter treated using the basic concepts of entropy, temperature, chemical potential, partition function, and free energy. Topics include the laws of thermodynamics, ideal gases, thermal radiation and electrical noise, heat engines, Fermi-Dirac and Bose-Einstein distributions, semiconductor statistics, kinetic theory, and phase transformations. Also taught as Electrical and Computer Engineering 311. Prerequisite: Physics 264L.

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<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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<tbody>
<tr>
<td>PHYSICS</td>
<td>364L</td>
<td>Advanced Experimental Physics</td>
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</tbody>
</table>

**Description**

Last in series of half-courses on experimental physics techniques for physics and biophysics majors. Students will perform a single advanced laboratory project. Biophysics-related laboratory projects are available. Includes written and oral presentation of results. Prerequisite: Physics 264L.

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<th>Subject</th>
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<tr>
<td>PHYSICS</td>
<td>365L</td>
<td>Advanced Experimental Physics</td>
</tr>
</tbody>
</table>

**Description**

One of several undergraduate courses on experimental physics techniques suitable for physics and biophysics majors. Identical in content and method to Physics 364L except it requires two half semester advanced laboratory projects for one full semester credit. Biophysics-related laboratory projects are available. Includes written and oral presentation of results. Prerequisite: Physics 264L.

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<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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<tbody>
<tr>
<td>PHYSICS</td>
<td>414</td>
<td>Introduction to Biophysics</td>
</tr>
</tbody>
</table>

**Description**

How theory and experimental techniques from physics can be used to analyze and understand biological structure and function, including chemical, mechanical, electrical, collective, and information-processing aspects. Prerequisite: Biology 201L and knowledge of statistical physics by taking either Physics 363 or Chemistry 311.
**PHYSICS415 - Biophysics II**

**Subject**  | **Catalog Number** | **Title**  
--- | --- | ---  
PHYSICS | 415 | Biophysics II  

**Description**
Quantitative understanding of biological systems through the application of physical principles. Course will emphasize topics that span multiple length and time scales, and different levels of biological organization. Two to four topics per semester, including possibly organismal motion from molecular processes to whole organisms, nervous systems from membrane channels to neuronal networks, noise in biology, novel biophysical technologies, etc. Recommended prerequisite: Biology 201L or 203L, Mathematics 212 and 216 or equivalent, and calculus-based introductory physics or permission of the instructors.

**PHYSICS417S - Advanced Physics Laboratory and Seminar**

**Subject**  | **Catalog Number** | **Title**  
--- | --- | ---  
PHYSICS | 417S | Advanced Physics Laboratory and Seminar  

**Description**
Experiments involving the fields of electricity, magnetism, heat, optics, and modern physics. Written and oral presentations of results. Instructor consent required.

**PHYSICS464D - Quantum Mechanics I**

**Subject**  | **Catalog Number** | **Title**  
--- | --- | ---  
PHYSICS | 464D | Quantum Mechanics I  

**Description**
Introduction to the non-relativistic quantum description of matter. Topics include experimental foundations, wave-particle duality, Schrodinger wave equation, interpretation of the wave function, the state vector, Hilbert space, Dirac notation, Heisenberg uncertainty principle, one-dimensional quantum problems, tunneling, the harmonic oscillator, three-dimensional quantum problems, angular momentum, the hydrogen atom, spin, angular momentum addition, identical particles, elementary perturbation theory, fine/hyperfine structure of hydrogen, dynamics of two-level systems, and applications to atoms, molecules, and other systems. Prerequisite: Mathematics 216 or 221 and Physics 264L.

**PHYSICS465 - Quantum Mechanics II**

**Subject**  | **Catalog Number** | **Title**  
--- | --- | ---  
PHYSICS | 465 | Quantum Mechanics II  

**Description**
Advanced topics in quantum mechanics with applications to current research. Topics might include theory of angular momentum, role of symmetry in quantum mechanics, perturbation methods, scattering theory, the Dirac equation of relativistic quantum mechanics, systems of identical particles, and quantum entanglement. Prerequisite: Physics 464.

**PHYSICS491 - Independent Study: Advanced Topics**

**Subject**  | **Catalog Number** | **Title**  
--- | --- | ---  
PHYSICS | 491 | Independent Study: Advanced Topics  

**Description**
Reading in a field of special interest under the supervision of a faculty member. Intended for students interested in studying topics not offered in regularly available courses. Format and grading are determined by the supervising faculty member and then approved by the DUS. Consent of instructor required.

**PHYSICS493 - Research Independent Study**

**Subject**  | **Catalog Number** | **Title**  
--- | --- | ---  
PHYSICS | 493 | Research Independent Study  

**Description**
Original research conducted under the supervision of a faculty member. At least one written substantive report or a poster presentation is required. Consent of instructor and DUS required.
### PHYSICS495 - Thesis Independent Study

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<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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<tbody>
<tr>
<td>PHYSICS</td>
<td>495</td>
<td>Thesis Independent Study</td>
</tr>
</tbody>
</table>

**Description**

Original research conducted under the supervision of a faculty member leading to a substantial written report that follows standard guidelines for the presentation of physics research. The report must be revised at least once in response to feedback from the instructor. Typically taken following Physics 493 or summer research experience with the instructor. Consent of instructor and DUS required.

### PHYSICS89S - First-Year Seminar

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<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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<tbody>
<tr>
<td>PHYSICS</td>
<td>895</td>
<td>First-Year Seminar</td>
</tr>
</tbody>
</table>

**Description**

Topics vary each semester offered.

### PJMS112 - The Googlization of Knowledge: Information, Ethics, and Technology

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<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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<tbody>
<tr>
<td>PJMS</td>
<td>112</td>
<td>The Googlization of Knowledge: Information, Ethics, and Technology</td>
</tr>
</tbody>
</table>

**Description**

Google has altered the way we see the world and ourselves. Its biases, valuing popularity over accuracy, affect how we value information and navigate news and ideas. This course examines information from different angles within the context of social justice, open access to information, and how the Internet and Google affect our lives. Themes include knowledge as a public good, Internet policies, data and visual literacies, social media, and artificial intelligence. Hands-on work researching how technology affects the access, understanding, and reliability of information in students’ lives. Analysis, discussions, and reflection assignments with ongoing application to team-based projects.

### PJMS120 - Internship in Media-Related Field

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<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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<tbody>
<tr>
<td>PJMS</td>
<td>120</td>
<td>Internship in Media-Related Field</td>
</tr>
</tbody>
</table>

**Description**

For students enrolled in the Policy Journalism & Media Studies certificate program. Field work in media-related organization with pre-approval of the program Chair. Must submit approval form in advance, and a brief memo two weeks after internship ends. Director of undergraduate studies consent required.

### PJMS135S - Introduction to Audio Documentary

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<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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<tbody>
<tr>
<td>PJMS</td>
<td>135S</td>
<td>Introduction to Audio Documentary</td>
</tr>
</tbody>
</table>

**Description**

Recording techniques and audio mixing on digital editing software for the production of audio (radio) documentaries. Various approaches to audio documentary work, from the journalistic to the personal; use of fieldwork to explore cultural differences. Stories told through audio, using National Public Radio-style form, focusing on a particular social concern such as war and peace, death and dying, civil rights.

### PJMS264S - Religion & Journalism

<table>
<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>PJMS</td>
<td>264S</td>
<td>Religion &amp; Journalism</td>
</tr>
</tbody>
</table>

**Description**

This course explores the many and complex ways in which religion converges with and diverges from journalism.
<table>
<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>PJMS</td>
<td>290</td>
<td>PJMS290 - Special Topics in Policy Journalism &amp; Media Studies</td>
<td>Selected Policy Journalism &amp; Media Studies topics.</td>
</tr>
<tr>
<td>PJMS</td>
<td>290S</td>
<td>PJMS290S - Special Topics in Policy Journalism &amp; Media Studies</td>
<td>Selected Policy Journalism &amp; Media Studies topics.</td>
</tr>
<tr>
<td>PJMS</td>
<td>290T</td>
<td>PJMS290T - Special Topics Tutorial Journalism &amp; Media Studies</td>
<td>Selected topics tutorial course in Journalism and Media Studies. Satisfactory/Unsatisfactory grading only. Half course credit.</td>
</tr>
<tr>
<td>PJMS</td>
<td>291</td>
<td>PJMS291 - Internship in Journalism and Media Studies</td>
<td>For students working in journalism or communications capacities in the journalism, public agency, political campaign, or other media-oriented group under the supervision of a faculty member. Requires a substantive paper (or papers) or project. Satisfactory/Unsatisfactory grading only.</td>
</tr>
<tr>
<td>PJMS</td>
<td>361S</td>
<td>PJMS361S - Algorithms, Journalism and the Public Interest</td>
<td>Explores the expanding and evolving role of algorithms in the production, dissemination, and consumption of news. Course considers the political, economic, cultural, legal, public policy, and ethical implications of algorithmically-driven journalism and news consumption. Places algorithmically-driven journalism and news consumption in historical and technological context.</td>
</tr>
</tbody>
</table>
PJMS363 - Podcasting in A Changing Media Landscape: The Art, Craft and Ethics of An Emerging Medium

Subject: PJMS
Catalog Number: 363
Title: Podcasting in A Changing Media Landscape: The Art, Craft and Ethics of An Emerging Medium

Description:
Podcasting has exploded in recent years, with hundreds of thousands of shows in production and more than a fifth of Americans listening to podcasts at least weekly. This course will provide a hands-on introduction to the craft of podcasting, combined with critical reflection on various podcast forms. Students will consider the role of podcasts in the changing media equation, including the role of podcasts in local news. They will gain practice with the basics of podcast creation and will apply these lessons by creating podcast episodes focusing on the people, places, and issues of Durham, N.C.

PJMS364S - Art of the Interview

Subject: PJMS
Catalog Number: 364S
Title: Art of the Interview

Description:
An exploration of the role of the interview as a core feature of modern American journalism, with focus on its development as a tool of inquiry, a cultural form and news-making event. Students will study examples of media coverage and produce projects involving interviews.

PJMS365S - Video Journalism

Subject: PJMS
Catalog Number: 365S
Title: Video Journalism

Description:
Theories and concepts of television broadcasting; writing and editing for electronic media; issues of production. Students will produce a Web portfolio. Approved as a practicum course for the Policy, Journalism and Media Studies certificate.

PJMS366S - Long-form Journalism

Subject: PJMS
Catalog Number: 366S
Title: Long-form Journalism

Description:
Storytelling techniques of magazine journalism; reporting and writing strategies; historical and contemporary writing for magazines in print and digital formats. Students develop experience in different kinds of magazine writing. Approved as a practicum course required for the Policy, Journalism and Media Studies certificate.

PJMS367S - News Writing and Reporting

Subject: PJMS
Catalog Number: 367S
Title: News Writing and Reporting

Description:
Seminar on reporting and writing news and feature stories. Students required to produce news stories based on original reporting and writing, including interviews, use of the Internet and electronic databases, public records, and written publications. Written assignments critiqued in class; final project.

PJMS371 - News as a Moral Battleground

Subject: PJMS
Catalog Number: 371
Title: News as a Moral Battleground

Description:
Ethical inquiry into journalism and its effect on public discourse. Issues include accuracy, transparency, conflicts of interest and fairness. Topics include coverage of national security, government secrecy, plagiarism/fabrication, and trade-offs of anonymous sourcing.
PJMS372 - Information, Technology, Ethics and Policy

**Subject**
PJMS

**Catalog Number**
372

**Title**
Information, Technology, Ethics and Policy

**Description**
The evolution of the Internet and other information technologies and the related policies and regulations that have emerged both internationally and nationally (in the United States). The tensions surrounding the access to information and the controversies about content, such as issues of free speech. Includes an Internet monitoring project designed to encourage in-depth analysis in order to place technology and technology policy in their historical evolution and context. Explores the contemporary political and social impacts of the Internet and other information technologies.

PJMS374S - Watchdog News and Storytelling: Changing Forms of Accountability Journalism

**Subject**
PJMS

**Catalog Number**
374S

**Title**
Watchdog News and Storytelling: Changing Forms of Accountability Journalism

**Description**
Focus on evolving styles of explanatory reporting and investigative journalism. Practice fundamental research and writing techniques that journalists use to reveal complex issues and hold powerful institutions and people accountable. Identify sources, develop interviewing skills, and tap public records. Analyze stories that can serve as engaging models for your assignments, such as fact-checks, solutions-focused articles, and first-person accounts that turn the reporting process into a narrative device. Learn about editorial rules and writing conventions, including their ethical underpinnings and the role of objective methods. Talk with guest journalists about their experiences.

PJMS375 - Journalism in the Age of Data

**Subject**
PJMS

**Catalog Number**
375

**Title**
Journalism in the Age of Data

**Description**
Teaches the tools and techniques used by investigative journalists to acquire and analyze data in order to discover story ideas and draw and evaluate conclusions about politicians, public policy, broader behavior of public institutions. Students should have basic familiarity with journalism concepts, but no specific technical or mathematical skills required.

PJMS376S - Autobiographical Writing: The Power and the Pitfalls of “Me”

**Subject**
PJMS

**Catalog Number**
376S

**Title**
Autobiographical Writing: The Power and the Pitfalls of “Me”

**Description**
This course explores autobiographical writing, primarily through students’ writing and workshopping of essays, opinion pieces and snippets of memoir that the instructor and class discuss and critique, but also through reading a diverse group of past and current practitioners. While students will be able to steer their own efforts toward the manner of first-person writing in which they have the most interest, they will be expected to engage in study and execution of standard forms, such as the opinion column. Students will benefit from instructor’s experience writing memoirs and first-person opinion columns. Prerequisites: Policy Journalism and Media Studies 364S, 366S, or 367S.
# PJMS377 - The 21st Century News Leader

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<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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<tbody>
<tr>
<td>PJMS</td>
<td>377</td>
<td>The 21st Century News Leader</td>
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</table>

**Description**

Course looks at evolution of news leadership from the latter half of 20th century-present, including decline of newspapers, rise of Internet, collapse of traditional news business model, emergence of attention economy, reinvention of factchecking, and revolutionary arrival of social media. Students will explore key questions regarding news leader's role in society today, limits of news leadership, continuing changes in technology that impact role of news leader, new knowledge news leaders need, and role government has had in transformation of news landscape and leadership. Exploration of how challenges affect news industry, society, those entering field of journalism. Prerequisite: Policy Journalism 371.

# PJMS386S - The Intersection of Politics, Policy, and Media

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<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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<tbody>
<tr>
<td>PJMS</td>
<td>386S</td>
<td>The Intersection of Politics, Policy, and Media</td>
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</tbody>
</table>

**Description**

An examination of decision-making at intersection of politics, public policy, and media. Draws on real-world and real-time examples and case studies, readings, and guest speakers. Issues include: role, power and practice of lobbying, rise of think tanks and interest groups as key players, theater of politics and policy, the many faces of media, scandal and commodification of outrage, crisis management and mismanagement.

# PJMS390 - Special Topics in Policy Journalism and Media Studies

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<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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<tbody>
<tr>
<td>PJMS</td>
<td>390</td>
<td>Special Topics in Policy Journalism and Media Studies</td>
</tr>
</tbody>
</table>

**Description**

Selected policy, journalism and media studies topics.

# PJMS390A-01 - Study Abroad/Away, Duke Program

<table>
<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>PJMS</td>
<td>390A-01</td>
<td>Study Abroad/Away, Duke Program</td>
</tr>
</tbody>
</table>

**Description**

Study abroad or study away, through a Duke-in-___ program, in which the area of study focuses on policy journalism or media studies.

# PJMS390A-02 - Study Abroad/Away, non-Duke Program

<table>
<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>PJMS</td>
<td>390A-02</td>
<td>Study Abroad/Away, non-Duke Program</td>
</tr>
</tbody>
</table>

**Description**

Study Abroad or Study Away, through a program that is not a Duke-in-___ program. The area of academic focus must relate to policy journalism or media studies.

# PJMS390S - Special Topics in Policy Journalism and Media Studies

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<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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<tbody>
<tr>
<td>PJMS</td>
<td>390S</td>
<td>Special Topics in Policy Journalism and Media Studies</td>
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</tbody>
</table>

**Description**

Selected policy, journalism and media studies topics. Topics vary by semester.
<table>
<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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<tbody>
<tr>
<td>PJMS</td>
<td>391</td>
<td>Independent Study</td>
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<td><strong>Description</strong></td>
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<td></td>
<td>Independent project in an area of</td>
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<td></td>
<td>Policy Journalism and Media Studies (PJMS), under the supervision or sponsorship of a faculty member. Projects must be pre-approved by the supervising faculty member, and a PJMS co-chair.</td>
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<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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<tbody>
<tr>
<td>PJMS</td>
<td>393</td>
<td>Research Independent Study</td>
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<td><strong>Description</strong></td>
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<td></td>
<td>Individual research in a field of</td>
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<td>special interest under the</td>
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<td>supervision of a faculty member,</td>
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<td>the central goal of which is a</td>
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<td>substantive paper or project</td>
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<td>containing significant analysis</td>
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<td>and interpretation of a previously approved topic. Consent of instructor and chair of policy journalism &amp; media studies certificate program required.</td>
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<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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<tbody>
<tr>
<td>PJMS</td>
<td>397S</td>
<td>Advanced Reporting</td>
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<td><strong>Description</strong></td>
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<td></td>
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<td>Durham government and community</td>
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<td>reporting course for students with</td>
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<td>experience in journalism. Assignments will involve covering meetings of the Durham City Council and Board of Education and other Durham County boards and commissions, covering civil and criminal trials, and conducting interviews with government officials, people affected by government actions, and elected representatives. Resources are provided for students to travel throughout Durham County. Students may contact instructor for consent if they do not meet the pre-req PJMS 367S News Writing &amp; Reporting.</td>
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<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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<tbody>
<tr>
<td>PJMS</td>
<td>410</td>
<td>Policy Journalism and Media Studies Capstone Course</td>
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<td></td>
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<td><strong>Description</strong></td>
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<tr>
<td></td>
<td></td>
<td>Capstone course for Policy</td>
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<td></td>
<td>Journalism and Media Studies</td>
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<td>Course taken after student</td>
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<td></td>
<td></td>
<td>completes media internship.</td>
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<td>Course integrates student's</td>
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<td>practical experience with</td>
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<td></td>
<td></td>
<td>conceptual and theoretical</td>
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<td></td>
<td></td>
<td>classroom work. Students meet in</td>
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<td></td>
<td></td>
<td>formal course setting to discuss</td>
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<td></td>
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<td>what they have learned, present</td>
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<td>examples of the work they have</td>
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<td>accomplished, and discuss</td>
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<td>relevant research, culminating in</td>
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<td>a final project. Course requires a</td>
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<td>class presentation about the</td>
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<td></td>
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<td>student's internship and a final</td>
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<td>project that integrates the</td>
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<td>internship experience with course</td>
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<tr>
<td></td>
<td></td>
<td>content. Open to Policy Journalism</td>
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<td></td>
<td></td>
<td>and Media Studies certificate</td>
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<td></td>
<td></td>
<td>students only. Instructor consent</td>
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<td>required.</td>
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<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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<tbody>
<tr>
<td>PJMS</td>
<td>490</td>
<td>Special Topics in Policy,</td>
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<td>Journalism, &amp; Media Studies</td>
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<td><strong>Description</strong></td>
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<td>Selected topics for courses offering capstone experiences or advanced research. Instructor consent required.</td>
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<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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<tbody>
<tr>
<td>PJMS</td>
<td>490S</td>
<td>Special Topics in Policy,</td>
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<td>Journalism and Media Studies</td>
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<td><strong>Description</strong></td>
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<td>Selected topics for courses offering advanced research opportunities. Instructor consent required.</td>
</tr>
<tr>
<td>Subject</td>
<td>Catalog Number</td>
<td>Title</td>
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<tr>
<td>PJMS</td>
<td>89S</td>
<td>First Year Seminar: Special Topics in Policy, Journalism and Media Studies</td>
</tr>
<tr>
<td>POE</td>
<td>190</td>
<td>Practice Oriented Education</td>
</tr>
<tr>
<td>POLISH101</td>
<td>101</td>
<td>Elementary Polish</td>
</tr>
<tr>
<td>POLISH102</td>
<td>102</td>
<td>Elementary Polish</td>
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<tr>
<td>POLISH203</td>
<td>203</td>
<td>Intermediate Polish</td>
</tr>
<tr>
<td>POLISH204</td>
<td>204</td>
<td>Intermediate Polish</td>
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</tbody>
</table>

**Description**

- **POE190 - Practice Oriented Education**
  - Topics vary.

- **POLISH101 - Elementary Polish**
  - Introduction to understanding, speaking, reading, and writing Polish. No preliminary knowledge of Polish necessary.

- **POLISH102 - Elementary Polish**
  - Introduction to understanding, speaking, reading, and writing Polish. No preliminary knowledge of Polish necessary. Second half of Polish 101,102. Prerequisite: Polish 101.

- **POLISH203 - Intermediate Polish**
  - Intensive classroom and laboratory practice in spoken and written patterns. Readings in contemporary literature. Prerequisites: Polish 101 and 102, or consent of instructor.

- **POLISH204 - Intermediate Polish**
  - Continuation of Polish 203. Prerequisite: Polish 203 or consent of instructor.
**POLISH275S - Modern Jewish Identities: Between Eastern Europe and the United States**

**Subject**
POLISH

**Catalog Number**
275S

**Title**
Modern Jewish Identities: Between Eastern Europe and the United States

**Description**
Drawing on documentaries, historical fiction films, autobiographies and memoirs, this course explores how the diverse spectrum of Ashkenazi Jews living in the Russian empire and then Poland from 1900-1939 conceived of their identities as Jews and how their identities may have altered once they emigrated to the United States. After the Shoah, we examine how Jewish emigrants to the US and those Jews and their descendants who remained in postwar Poland/Ukraine sought contact with each other in attempts to rethink what it means to be a post-Holocaust Jew in their respective contexts and in dialogue with each other.

**POLISH288S - Trauma and Nostalgia: East European Film in the 21st Century**

**Subject**
POLISH

**Catalog Number**
288S

**Title**
Trauma and Nostalgia: East European Film in the 21st Century

**Description**
Examines the major thematic focus of East European filmmakers in the 21st century: their efforts to reconstruct and reassess the experience of the Cold War (1945-1989) and the Yugoslav wars (1991-1995). These films from the Czech Republic, Hungary, Poland, Romania, Croatia, and Serbia include ironic/sentimental tales of Cold War childhood, thrillers about sleeping with the enemy (political informers), and psychological dramas centering on political trauma, resistance, and compromise. All films shown with English subtitles.

**POLISH298S - Revealing Histories: Polish Cinema**

**Subject**
POLISH

**Catalog Number**
298S

**Title**
Revealing Histories: Polish Cinema

**Description**
Explores the films of four famous Polish directors—Andrzej Wajda, Andrzej Munk, Krzysztof Kieœlowski, and Agnieszka Holland—whose artistic approaches and ethical/political themes greatly influenced Polish and European cinema as well as Polish politics. Through viewing their movies and consulting biographical, historical, and critical materials, we’ll examine how these directors use film to reconstruct history, challenge politically or religiously orthodox myths, and suggest new ways of valuing the complexity and spiritual capacities of the individual. All texts in English translation. All films screened with subtitles.

**POLISH301S - Contemporary Polish Composition and Readings**

**Subject**
POLISH

**Catalog Number**
301S

**Title**
Contemporary Polish Composition and Readings

**Description**
Advanced grammar and syntax with intense composition component. Analytical readings in the original. Prerequisite: Polish 203 and 204, or equivalent.
### POLISH302S - Contemporary Polish Composition and Readings

**Subject**: POLISH  
**Catalog Number**: 302S  
**Title**: Contemporary Polish Composition and Readings  

**Description**: Continuation of Polish 301S. Prerequisite: Polish 301S.

### POLISH308S - Fragmented Memories: Polish and Polish Jewish Culture Through Film

**Subject**: POLISH  
**Catalog Number**: 308S  
**Title**: Fragmented Memories: Polish and Polish Jewish Culture Through Film  

**Description**: Analyzes, compares, and assesses representations of Polish Christians and Polish Jews—their life experiences, interactions, shared and separate fates—in documentaries and fiction films made in Poland from the 1930s to the present day. Includes films by Wajda, Polanski, Munk, Kieslowski; also a 2008 documentary about pre-World War II Christian-Jewish relations in Poland by Jolanta Dylewska. All films screened with English subtitles.

### POLSCI101 - Introduction to Political Science

**Subject**: POLSCI  
**Catalog Number**: 101  
**Title**: Introduction to Political Science  

**Description**: Political science seeks to describe and understand political phenomena, and to explore their ethical and normative dimensions. Course provides a broad introduction to the range of topics covered in political science, from authoritarian to democratic politics, from local governance to international relations, from formal rules and institutions to the psychology and behavior of individuals who participate in political processes.

### POLSCI102 - The Science of Politics

**Subject**: POLSCI  
**Catalog Number**: 102  
**Title**: The Science of Politics  

**Description**: Why and how is political science a science? This course introduces students to the scientific study of the political world. Students are introduced to a broad set of questions and topics that political scientists work on. Students will learn how political scientists build theories, generate hypotheses, and test hypotheses with quantitative and qualitative data. And students will have an opportunity to apply their knowledge as political scientists do—by critiquing scientific research; proposing and testing original hypotheses; and using theory and evidence from the class as a basis for making policy recommendations.

### POLSCI105S - The Documentary Experience: A Video Approach

**Subject**: POLSCI  
**Catalog Number**: 105S  
**Title**: The Documentary Experience: A Video Approach  

**Description**: A documentary approach to the study of local communities through video production projects assigned by the course instructor. Working closely with these groups, students explore issues or topics of concern to the community. Students complete an edited video as their final project. Not open to students who have taken this course as Film/Video/Digital 105S.

### POLSCI108 - Introduction to African Studies (DS3 or DS4)

**Subject**: POLSCI  
**Catalog Number**: 108  
**Title**: Introduction to African Studies (DS3 or DS4)  

**Description**: A range of disciplinary perspectives on key topics in contemporary African Studies: nationalism and pan-Africanism, imperialism and colonialism, genocide and famine, development and democratization, art and music, age and gender.
**POLSCI110 - Critical Approaches to Global Issues**

**Subject**  
POLSCI

**Catalog Number**  
110

**Title**  
Critical Approaches to Global Issues

**Description**  
Introduction to critical transnational studies through several disciplinary approaches. Examines capitalism and neo-liberal globalization and their relationships to culture, politics, economics, and other social forms and outcomes; considers transnationalism 'from below'; addresses linear and Western-centric thinking about progress and modernity; focuses a historical lens on political discourses, institutions, and projects to understand them contextually; demonstrates how cultures and identities are dynamically constituted in interaction with historical, material, political, and situational factors; considers how different inequalities and contestations inflect most social formations.

**POLSCI114 - From Voting to Protests: Introduction to Political Attitudes, Groups and Behaviors**

**Subject**  
POLSCI

**Catalog Number**  
114

**Title**  
From Voting to Protests: Introduction to Political Attitudes, Groups and Behaviors

**Description**  
Covers basic core concepts for understanding political behavior—attitudes, beliefs, and actions of the general public in political life—and the development and consequences of racial, ethnic, and other types of (politically relevant) identities. Broadly comparative approach, looking at publics throughout the world. Special focus on political behavior and identities in democracies, where behavior is consequential in ordinary workings of politics. Also examines extraordinary political behavior, such as participation in protests, riots, and civil wars.

**POLSCI116D - Introduction to American Politics**

**Subject**  
POLSCI

**Catalog Number**  
116D

**Title**  
Introduction to American Politics

**Description**  
Same as Political Science 116 except instruction is provided in two lectures and one small discussion meeting each week.

**POLSCI120 - The Challenges of Living an Ethical Life**

**Subject**  
POLSCI

**Catalog Number**  
120

**Title**  
The Challenges of Living an Ethical Life

**Description**  
Familiar but fundamental ethical questions: What is a good, worthy or just life? How is it to be lived, toward what ends? Readings include dramas and philosophical analyses, parables and autobiographies, polemics and meditations, novels and political commentaries. Introductory course for the Ethics & Society Certificate.

**POLSCI120D - The Challenges of Living an Ethical Life**

**Subject**  
POLSCI

**Catalog Number**  
120D

**Title**  
The Challenges of Living an Ethical Life

**Description**  
Familiar but fundamental ethical questions: What is a good, worthy or just life? How is it to be lived, toward what ends? Readings include dramas and philosophical analyses, parables and autobiographies, polemics and meditations, novels and political commentaries. Introductory course for the Certificate Program in the Study of Ethics.

**POLSCI125D - Introduction to Global Development: Politics, Policy and Practice**

**Subject**  
POLSCI

**Catalog Number**  
125D

**Title**  
Introduction to Global Development: Politics, Policy and Practice

**Description**  
Introduces intellectual tools for understanding why development varies across the globe and practical tools for designing and evaluating foreign aid programs. Course focuses on foundations for sustained development, including geography, historical legacies, technological innovation and political institutions, and practical challenges associated with aid programming aimed at promoting development. Also explores how international donors work, what constitutes a good development program, and how to evaluate whether a development project 'works.'
**POLSCI128 - Climate Change: A Political Economy Perspective**

**Description**
This class introduces students to climate change from a political economy perspective. It reviews the main scientific facts about it and how their evolution traces back to political and economic causes. The bulk of the class is devoted to understanding the consequences of climate change for domestic and international politics and to study, with the PE tools, the scope and limits of the solutions being proposed to address it. The class is purposefully interdisciplinary and will make use of academic work and data from different social and applied sciences. It is a class designed for first and second year students that could also be of interest to more advanced ones.

**POLSCI140S - Empires in Modern European History**

**Description**
An introduction to political theories of imperialism and a comparative historical analysis of several European empires. Explores questions of nationalism, race, religious pluralism, state formation, globalization, and international governance. Readings drawn from history, sociology, anthropology, and political science.

**POLSCI145 - Introduction to Political Economy**

**Description**
Introduction to history of political economy. Three components: (1) history of economic thought as outgrowth of moral philosophy; (2) microeconomics and price theory; (3) macroeconomics and monetary policy. Intended as an economics course for non-majors. No prerequisite except high school mathematics. Does not count toward Economics major or minor.

**POLSCI150FS - Citizenship, Patriotism, & Identity**

**Description**
This course introduces students to fundamental moral questions about nation states and individuals’ membership in them. Do people owe more to their compatriots than to foreigners? Is it desirable—or at least permissible—for countries to have and promote a national identity? What different forms can patriotism take, and in which (if any) of these forms is it a virtue? Should we all be ‘citizens of the world?’ These questions will be explored primarily through readings in contemporary moral and political philosophy. Open only to students in the Focus Program.
### POLSCI159 - Israel/Palestine: Comparative Perspectives

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<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>POLSCI</td>
<td>159</td>
<td>Israel/Palestine: Comparative Perspectives</td>
</tr>
</tbody>
</table>

**Description**
Introduction to the Israel/Palestine conflict, studied through an interdisciplinary lens, including scholarship from the fields of anthropology, environmental studies, history, geography and cultural studies. Themes include: competing nationalisms, environmental politics and resource management, peace building, refugees and displacement, humanitarian crises and challenges, representational politics. Range of primary sources will be used including human rights reports and testimonials, natural resource policies, feature and documentary film, memoirs, political treaties, and maps.

### POLSCI160D - Introduction to Security, Peace and Conflict

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<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>POLSCI</td>
<td>160D</td>
<td>Introduction to Security, Peace and Conflict</td>
</tr>
</tbody>
</table>

**Description**
Same as Political Science 160 except instruction is provided in two lectures and one small discussion meeting each week.

### POLSCI170FS - Liberty and Equality: Ancient and Modern Perspectives

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<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>POLSCI</td>
<td>170FS</td>
<td>Liberty and Equality: Ancient and Modern Perspectives</td>
</tr>
</tbody>
</table>

**Description**
Examines the democratic values of liberty and equality in Greek, Roman, and American political thought. Are democracy and liberty allies or foes? What is the relationship between liberty and equality? Is freedom possible under non-democratic regimes? Is individual liberty protected by equal and inalienable human rights? What is the relationship between individual liberties and aspirations for a good and just society? Why have some democratic societies embraced imperialism or slavery? Readings drawn from Aristophanes, Thucydides, Plato, Aristotle, Cicero, Epictetus, Tacitus, Jefferson, Madison, Hamilton, Lincoln, Douglass, London, Du Bois, Hamer, King, and Vonnegut, among others. Focus only.

### POLSCI172FS - Racial Attitudes and Racial Politics in the United States

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<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>POLSCI</td>
<td>172FS</td>
<td>Racial Attitudes and Racial Politics in the United States</td>
</tr>
</tbody>
</table>

**Description**
Course considers the different conceptions and definitions of racial attitudes and racial prejudice in the United States. Compares across the disciplines of social psychology, sociology, and political science, acknowledging debates about both the sources and consequences of these attitudes. Focuses on how in the present day, different theories lead to different understanding of racial conflict and its political consequences. Discusses how racial attitudes, prejudice, and conflict may be mitigated in political world. Open only to students in the Focus Program. Department consent required.
### POLSCI175 - Introduction to Political Philosophy

**Subject**  
POLS

**Catalog Number**  
175

**Title**  
Introduction to Political Philosophy

**Description**  
An intensive comparative examination of the nature and enduring problems of political philosophy through the confrontation, interpretation, and normative assessment of classic texts from the Greek polis to the present. Selected theorists and their arguments and beliefs within the Western political tradition concerning justice, the good life, freedom, community, power, authority, and others. Careful attention to the ways argument and rhetoric operate in texts of political philosophy, as well as diverse modes of interpretation.

### POLSCI175D - Introduction to Political Philosophy

**Subject**  
POLS

**Catalog Number**  
175D

**Title**  
Introduction to Political Philosophy

**Description**  
Same as Political Science 175 except instruction is provided in two lectures and one small discussion meeting each week. An intensive comparative examination of the nature and enduring problems of political philosophy through the confrontation, interpretation, and normative assessment of classic texts from the Greek polis to the present. Selected theorists and their arguments and beliefs within the Western political tradition concerning justice, the good life, freedom, community, power, authority, and others. Careful attention to the ways argument and rhetoric operate in texts of political philosophy, as well as diverse modes of interpretation.

### POLSCI175FS - Freedom and Responsibility

**Subject**  
POLS

**Catalog Number**  
175FS

**Title**  
Freedom and Responsibility

**Description**  
Conflicting visions of freedom and responsibility that characterize the modern world; the possibility of leading ethical lives in the face of conflicting demands that a complex vision of the good engenders. Readings include Luther, Hobbes, Locke, Rousseau, Marx, Kant, and Jack London. Course aims to be an intense introduction to Western philosophical ideas of freedom and responsibility. Open only to students in the Focus Program. Department consent required.

### POLSCI176FS - Human Rights and World Politics

**Subject**  
POLS

**Catalog Number**  
176FS

**Title**  
Human Rights and World Politics

**Description**  
Examines the role of human rights and global justice in world politics. We will consider questions such as whether human rights are universal, what role human rights and global justice should play in U.S. foreign policy, which strategies are most effective in promoting human rights and global justice, and which risk inciting backlash. The course will cover topics including civil and political rights; economic, social and cultural rights; genocide, torture, humanitarian intervention, and the international criminal court.
**POLSCI177FS - 9/11 And After: The World We've Inherited and The Quest to Make A Difference**

**Description**
This course critically examines the 9/11 attacks and its impact on American politics and culture. It surveys the events, people, and ideologies which led to the 9/11 attacks and its immediate aftermath; examines the US war in Afghanistan, treatment of detainees, surveillance of American Muslim communities, and rise of a national security apparatus in the US; assesses the rise of anti-immigrant, Islamophobic, anti-Semitic and extreme nationalist US domestic terror groups since 9/11; and enables students to interact with local Afghan refugees and encounter global difference. Open only to Focus students.

**Subject**  
POLSCI

**Catalog Number**  
177FS

**Title**  
9/11 And After: The World We've Inherited and The Quest to Make A Difference

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**POLSCI180FS - Hierarchy and Spontaneous Order: The Nature of Freedom in Political and Economic Organizations (C-N)**

**Description**
Course examines themes that emerge from the classics of political thought through contemporary work in the analytic social science tradition. Employs the tools of game theory to consider simple models of social and political interaction that shed light on the emergence of formal and informal institutions that govern individual behavior, and the role of these institutions in securing individual freedom. Reliance on analytic models is what differentiates this course from a historical or philosophical inquiry. Open only to students in the Focus Program. Department consent required.

**Subject**  
POLSCI

**Catalog Number**  
180FS

**Title**  
Hierarchy and Spontaneous Order: The Nature of Freedom in Political and Economic Organizations (C-N)

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**POLSCI185FS - The Politics of Language**

**Description**
Examines the political role of language in societies as diverse as China, India, the former Soviet Union, the UK and the US. Looks at how state and non-state actors influence citizens' language practices, and their beliefs about language. Drawing on political theory, sociology and sociolinguistics, we look at how language policies reflect and produce sociopolitical realities. Topics covered include migration, citizenship, nationalism and decolonization. Open to students in the Focus Program only.

**Subject**  
POLSCI

**Catalog Number**  
185FS

**Title**  
The Politics of Language

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**POLSCI186 - Women and Gender in the Middle East**

**Description**
An introductory survey exploring the Middle East through the gender perspective. Introduction to the gender and women's studies in the Middle East and the major issues Cross-cultural and interdisciplinary readings to introduce the diversity of the region. Readings and screenings include the narratives and performances from the region.

**Subject**  
POLSCI

**Catalog Number**  
186

**Title**  
Women and Gender in the Middle East
POLSCI186FS - Games and Culture: Gateway to the Study of Games

Subject: POLSCI  
Catalog Number: 186FS  
Title: Games and Culture: Gateway to the Study of Games  

Description: Examines analog and computer games from a cultural perspective. Explores how prevailing culture and values affect game design, popularity, and experience. How games affect those areas of culture, such as imagining disaster, utopia and dystopia. Explores role-playing and identity, ethics, group behavior, competition, politics, gender, race, and aesthetics.

POLSCI188FS - American Perspectives on Citizenship

Subject: POLSCI  
Catalog Number: 188FS  
Title: American Perspectives on Citizenship  

Description: An overview of American perspectives on citizenship. Explores ongoing controversies about the influence of liberalism and republicanism on American conceptions of citizenship, whether American individualism threatens civic duty, whether civil disobedience is justified, whether there are certain values and experiences that all American citizens should share, and whether national identities are relevant in an increasingly global world. Open only to students in the Focus Program. Department consent required.

POLSCI189FS - Introduction to Machine Learning and Computational Models in the Social Sciences

Subject: POLSCI  
Catalog Number: 189FS  
Title: Introduction to Machine Learning and Computational Models in the Social Sciences  

Description: Our goal as social scientists is to build models of the world and provide advice to policy makers. Given that human actors are often strategic and the games they play are complex, building and testing these models is difficult and distinct from common examples of machine learning. A task that is often used to motivate introductions to machine learning is teaching a model to recognize hand-written characters using MNIST data (https://www.tensorflow.org/datasets/catalog/mnist). Our task is harder: we must build models that involve forecasting human behavior ranging from votes in a legislature to changes in stock prices.

POLSCI190 - Special Topics in Political Science

Subject: POLSCI  
Catalog Number: 190  
Title: Special Topics in Political Science  

Description: Topics vary each semester offered.

POLSCI190FS - Special Topics in the Focus Program

Subject: POLSCI  
Catalog Number: 190FS  
Title: Special Topics in the Focus Program  

Description: Open only to students in the Focus Program. Topics differ by semester.

POLSCI190S - Special Topics in Political Science

Subject: POLSCI  
Catalog Number: 190S  
Title: Special Topics in Political Science  

Description: Topics vary each semester offered.
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<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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<tbody>
<tr>
<td>POLSCI</td>
<td>190S-1</td>
<td>Special Topics in Political Science</td>
</tr>
<tr>
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<td></td>
<td>Description: Topics vary each semester offered.</td>
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<tr>
<td>POLSCI</td>
<td>195FS</td>
<td>Freedom and Moral Obligation</td>
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<td>Description: Are moral obligations limitations on our freedom, or are they, as some philosophers have insisted, the fullest expression of freedom? To understand the disagreement, we'll look at moral obligations, particularly social and political obligations. How do collective moral obligations, like climate change or reparations for slavery, obligate us individually—or do they? Is freedom of speech morally required? Finally, we will consider Kant's <em>Groundwork of the Metaphysics of Morals</em>, in which Kant argued that we are only free when our actions are dictated entirely by morality.</td>
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<tr>
<td>POLSCI</td>
<td>20</td>
<td>American Government and Politics</td>
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<td>Description: Credit for Advanced Placement on the basis of the College Board examination in American government and politics. Does not satisfy course requirements of the political science major.</td>
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<tr>
<td>POLSCI</td>
<td>201</td>
<td>Public Opinion</td>
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<td>Description: Examines nature and role of public opinion in American democracy, providing broad-based introduction to dynamics of citizens' social and political attitudes in contemporary United States. Goal of course is to help students arrive at a more comprehensive understanding of forces that shape beliefs, attitudes, and opinions of American public, the means by which those views are publicly expressed, and the influence of those opinions on policy outcomes.</td>
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<tr>
<td>POLSCI</td>
<td>202</td>
<td>Political Parties in Competition. Left, Right and Beyond.</td>
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<td>Description: Why is electoral participation organized around parties and not individual candidates? What do parties offer and deliver to voters? How did parties and party systems develop in the United States and Europe in the 19th century and what consequences did this have for the rules of the competitive game (electoral laws)? How have American and European parties changed their political appeals in the twentieth century, and then lately into the twenty-first century? Why have some party systems—like the American—sharply polarized, while others—typically in Europe—have fragmented into a multiplicity of political parties?</td>
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<tr>
<td>POLSCI</td>
<td>203</td>
<td>Women and the Political Process</td>
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<td>Description: A systematic analysis of the U.S. political system, electoral politics, platform implications, and leadership trends in the context of women's role in political life, as voters, leaders, and citizens.</td>
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<tr>
<td>POLSCI</td>
<td>205</td>
<td><strong>POLSCI205 - Introduction to Racial and Ethnic Minorities in American Politics</strong></td>
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<td><strong>POLSCI206 - American Values, Institutions, and Culture</strong></td>
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<td><strong>POLSCI208 - How to Think in an Age of Political Polarization</strong></td>
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<td><strong>POLSCI209 - Ecology and the Human Good: Sustainability, Community, Nature, and Belonging</strong></td>
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<td>Subject</td>
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<tr>
<td>POLSCI</td>
<td>21</td>
<td>Comparative Government and Politics</td>
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<tr>
<td>POLSCI</td>
<td>210</td>
<td>Conservatism</td>
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<tr>
<td>POLSCI</td>
<td>211</td>
<td>Democracy: Ancient and Modern</td>
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<tr>
<td>POLSCI</td>
<td>211D</td>
<td>Democracy: Ancient and Modern</td>
</tr>
<tr>
<td>POLSCI</td>
<td>213</td>
<td>Introduction to Engaged Citizenship and Social Change</td>
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<tr>
<td>POLSCI</td>
<td>213S</td>
<td>Introduction to Engaged Citizenship and Social Change (Gateway Course)</td>
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</tbody>
</table>
POLSCI215 - The United States and the World, 1898 to the Present

Subject: POLSCI  
Catalog Number: 215  
Title: The United States and the World, 1898 to the Present

Description:
Course explores the evolution of US foreign relations, from the Spanish-American War in 1898 through the challenges facing the Biden Administration. Will consider US foreign relations in a broad sense. US' political, economic, and cultural relations with other states, organizations, and individuals will all be considered, as will the role that domestic politics play in the making and execution of US foreign policy.

POLSCI217 - Discovering Game Theory: Social Complexity and Strategic Interdependence

Subject: POLSCI  
Catalog Number: 217  
Title: Discovering Game Theory: Social Complexity and Strategic Interdependence

Description:
Strategy is all around you: in sports, the economy, law, politics, and your own social interactions. In this course, you will explore one of the foundational tools that social scientists use to analyze the complexity of strategic interactions: Game Theory. To do so, the course employs a highly interactive learning environment, in which you and your peers engage in strategic interactions that illustrate fundamental social dilemmas. In taking this course, you will gain a new analytical perspective into the complexity of social phenomena, and develop a solid foundation for additional course work in social science.

POLSCI221S - South African Past and Present

Subject: POLSCI  
Catalog Number: 221S  
Title: South African Past and Present

Description:
Explores the history of modern South Africa from the beginning of the mineral revolution in the 1860s to the post-apartheid present. We will cover mining-centered industrialization, the emergence of Afrikaner and African nationalism, segregationist ideology, and the construction of apartheid. We will examine the plethora of anti-apartheid struggles, and the regional and wide-ranging global efforts to end apartheid and usher in democracy. The establishment and promise of multi-party democracy, the AIDS epidemic, and the reemergence of social movements are all topics we will consider and we will conclude by reflecting on the place of South Africa as a regional, continental, and world power.

POLSCI224 - Inequality and Politics

Subject: POLSCI  
Catalog Number: 224  
Title: Inequality and Politics

Description:
Inequality, understood as the ultimate allocation of scarce resources in society, plays an important role in way democratic societies work. Course will review the fundamental political theory debates about the relationship between inequality and politics; understanding of how politics shapes the distributions of income and wealth in contemporary democracies; and functioning of democratic politics at different levels of development. Examines its influence on citizens' political engagement, the extent to which political participation works, and various forms of conflict and political (dis)integration.
### POLSCI228 - Politics of Authoritarian Regimes

**Subject**: POLSCI  
**Catalog Number**: 228  
**Title**: Politics of Authoritarian Regimes  

**Description**  
Examine the variety of ways in which authoritarian regimes operate. Study the emergence and persistence of authoritarian regimes, the institutions they adopt, leadership change, government/opposition relations, their potential for democratic transition as well as the theories that explain these outcomes.

### POLSCI229 - Institutions and Self Governance

**Subject**: POLSCI  
**Catalog Number**: 229  
**Title**: Institutions and Self Governance  

**Description**  
Study the history and development of institutions in self-governing communities and societies to gain a deeper understanding of the need for creating and maintaining institutions to resolve specific collection action problems and to achieve social security, political stability and economic prosperity in general for a community. Types of institutions include: mutual-aid associations such as friendly societies in the West and community compacts in the East, Western credit union system and Chinese granary systems, credit and money raising schemes, public security and social control measures, conflict resolution and dispute settlement methods, and collective decision making methods.

### POLSCI231D - Introduction to Tools of Political Risk Analysis

**Subject**: POLSCI  
**Catalog Number**: 231D  
**Title**: Introduction to Tools of Political Risk Analysis  

**Description**  
This course explores the impact of national and subnational government institutions on international business strategy. The course is designed around the theme of political risk analysis, approaching the topic from two perspectives: country and individual firm. Political risk is a type of risk faced by investors, that political decisions, events, or conditions will significantly affect the profitability of a business actor or the expected value of a given economic action. In this course, students will learn tools for measuring and assessing political risk, as well as how smart leaders can make intelligent business strategy decisions in these environments.

### POLSCI232 - Introduction to Terrorism

**Subject**: POLSCI  
**Catalog Number**: 232  
**Title**: Introduction to Terrorism  

**Description**  
Nature of terrorist organizations and government responses to them. Includes analysis of different aspects of terrorism: historical, social, cultural, economic, political, religious context; determinants of terrorism at state and individual level; organizational structure of terrorist groups' weapons and tactics; mobilization and recruitment within terror networks; terrorist finance; methods of counterterrorism. Details different methods of study of terrorism.
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<tr>
<th>Subject</th>
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<th>Title</th>
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<tbody>
<tr>
<td>POLSCI</td>
<td>233</td>
<td>Nuclear Weapons: US Foreign Policy and the Challenges of Global Proliferation</td>
<td>Implication of nuclear weapons to U.S. foreign policy and international politics. Topics include basic science of nuclear fission and fusion, history of nuclear proliferation, theory of nuclear deterrence, evolution of U.S. nuclear posture during and after Cold War, and case studies of other nuclear proliferation with detailed coverage of North Korea and Iran. Emphasis in readings and assignments will be placed on being able to understand how these weapons apply to theories of international relations and foreign policy and on being able to make causal inferences regarding their importance.</td>
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<th>Description</th>
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<tbody>
<tr>
<td>POLSCI</td>
<td>235S</td>
<td>Comparative Urban Politics and Policymaking</td>
<td>DukeImmerse Seminar. A comparative examination and analysis of urban governance in South Africa and the United States. Examines potential consequences of persistent racial and class disparities for housing and neighborhoods, public health, education, community infrastructure, and general economic and social development. Specific attention to how the physical layout, government structures, politics, culture, and the civil society of cities and urban areas may both promote and hinder human development and social justice. Instructor consent required.</td>
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<tbody>
<tr>
<td>POLSCI</td>
<td>236S</td>
<td>Advanced Research Seminar in Urban Politics and Policymaking</td>
<td>DukeImmerse Seminar. Advanced research and writing seminar. Participants produce a 30-40 page research paper based on field work and archival research experiences in Durham and an approved South African city. Includes tutorials in research design and comparative research methods. There is a required field work component of the course which entails a two-week trip to South Africa. Students will collect data, do interviews, visit municipal offices, and or spend time at NGOs in Pietermaritzburg. Instructor consent required.</td>
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<th>Subject</th>
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<th>Description</th>
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<tr>
<td>POLSCI</td>
<td>237</td>
<td>Religion and Foreign Policy</td>
<td>Examines ways in which religious ideas, identities, and actors impact the foreign policy actions of states. Topics include just war theory, religious nationalism, public opinion, elites, and faith-based approaches to peacebuilding. Focus on theory as well as comparisons of contemporary case studies. Cases include United States, Turkey, India, Israel, Iran, and Russia and explore various elements of the five major world religions. Major assignments: ongoing blog, policy brief, and final group video project.</td>
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<tr>
<td>POLSCI</td>
<td>238</td>
<td>Racial Attitudes, Racial Prejudice, and Racial Politics</td>
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<td>Course delves into work from sociology, social psychology, and political science to explore the development of racial attitudes, stereotypes, and prejudice. Consideration of the way race matters for attitudes and behavior among all racial and ethnic group members and how racial attitudes have changed over time, corresponding to massive social, legal, and political changes in the United States. Examines how individual racial attitudes affect political outcomes, how they relate to individual political preferences, and how they have influenced voting behavior historically and in the present day. Not open to students who have taken Political Science 172FS.</td>
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<th>Catalog Number</th>
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<tr>
<td>POLSCI</td>
<td>239S</td>
<td>Political Communication in a Changing Media Environment</td>
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<td>Examination of interaction between citizens, media and political actors in today’s fragmented information environment. Topics include evolution of political communication and media, emergence of new communication technologies, changes in campaign communication strategy, nature of news, theories of attitude formation and change, and role of political communications in campaigns and elections. Focus on implications of changing information environment for political communication strategies and for citizen knowledge and engagement in democratic process.</td>
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<tr>
<td>POLSCI</td>
<td>240D</td>
<td>Political Psychology</td>
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<td>How individuals interact with their political environment and with other individuals and groups. Theories and findings from both disciplines to gain deeper insights into political processes and decisions. Likely topics include individuals’ political attitudes, decisions and judgments. Other likely topics include theories of how people cooperate with each other and how groups come into conflict with each other, psychological approaches to analyzing political leaders and/or the way members of different cultures process political information.</td>
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<tr>
<td>POLSCI</td>
<td>240SA</td>
<td>Theory and Practice: People, Places and Policy Cases</td>
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<td>Talks by Congress members, legislative staff members, interest group leaders, journalists, and other members of the public policy community in Washington. Visits to government buildings, historical sites, and other policy-rich attractions in the nation’s capital. Discussion and written assignments require analysis and linkages between ‘real world’ of policy practice and theories and concepts from political science and public policy studies. Offered through the Duke in DC program.</td>
</tr>
</tbody>
</table>
POLSCI241SA - Whose Democracy? Participation and Public Policy in the United States

Subject: POLSCI
Catalog Number: 241SA
Title: Whose Democracy? Participation and Public Policy in the United States

Description:
Overview of patterns in Americans’ engagement in and disengagement from civic life. Theories of why people do (and do not) participate. Differences across lines of gender, race, ideology, generation, and class. Role of American interest groups and social movements in policy change. Influence of public policies (e.g., federal tax laws, participation requirements, programs such as AmeriCorps) on civic and political participation. Implications for equality, voice, and the health of American democracy. Classroom discussion; guest speakers; short memos. Offered through the Duke in DC program.

POLSCI242D - Campaigns and Elections

Subject: POLSCI
Catalog Number: 242D
Title: Campaigns and Elections

Description:
The campaign process, voting and elections in the United States, with emphasis on the varying role of media in campaigns. The nomination and election process; focus on the critical evaluation of various empirical models of voting behavior in presidential and congressional elections and the impact of election outcomes on the content and direction of public policy in various historical eras in American politics.

POLSCI244S - Activism & Christianity in Modern America

Subject: POLSCI
Catalog Number: 244S
Title: Activism & Christianity in Modern America

Description:
An exploration of the relation of Christian belief and practices with agitation for social change, with a focus on the United States from the colonial period to the present. Attention given to how identity, power, and suffering shape historical judgments about the intersection of religion and ethics. Close readings of primary sources drawn from autobiographies, letters, sermons, poems, and treatises. Figures may include John Wesley, Sojourner Truth, Frederick Douglass, Martin Luther King Jr., Paul Murray, Dorothy Day, Thomas Merton, Daniel Berrigan.

POLSCI245 - American Constitutional Development and Interpretation I: The Constitutional Structure

Subject: POLSCI
Catalog Number: 245
Title: American Constitutional Development and Interpretation I: The Constitutional Structure

Description:
Introduction to primary themes of American constitutional structure (judicial review, democracy, federalism, and separation of powers), their shaping and reshaping through cultural conflict over course of American history, and basic methods of constitutional interpretation (text, structure, history, precedent, consequences, identity, and aspirationalism). Special focus on relationships among constitutional text, judicial doctrine, and constitutional interpretation outside the courts.
**POLSCI246 - American Constitutional Development and Interpretation II: Individual Rights**

**Subject**
POLSCI

**Catalog Number**
246

**Title**
American Constitutional Development and Interpretation II: Individual Rights

**Description**
Historical, political, and doctrinal introduction to the primary themes of constitutional protection of individual rights in the United States: judicial review, state action, incorporation, fundamental rights (e.g., marriage, contraception, abortion, and speech), and equal citizenship (i.e., discrimination on the basis of race, sex, and sexual orientation). Special emphasis on: (1) the shaping and reshaping of constitutional rights through cultural and political conflict; (2) basic methods of constitutional interpretation and (3) relationships among constitutional text, judicial doctrine, and robust practices of constitutional interpretation outside the courts.

**POLSCI247S - Liberalism and its Critics**

**Subject**
POLSCI

**Catalog Number**
247S

**Title**
Liberalism and its Critics

**Description**
Examines development of liberalism within political philosophy and economics, and alternatives as articulated by conservative, progressive and socialist critics. Course examines doctrines themselves and place within historical context in which they emerged. Liberal tradition represented by such thinkers as Locke, Hume, Smith, Paine, Constant, J. S. Mill, Hayek and Friedman. Conservative critics will include such writers as Burke, de Maistre, Papal Encyclicals, Carlyle, Meyer, Kirk, Scruton, and Deneen. Socialist and progressive critics will include Saint Simon, Marx and Engels, Sidney and Beatrice Webb, Veblen, Lange, Laski, and Marcuse. Course is part of ‘Transformative Ideas’ curriculum.

**POLSCI248 - Games and Culture: Gateway to the Study of Games**

**Subject**
POLSCI

**Catalog Number**
248

**Title**
Games and Culture: Gateway to the Study of Games

**Description**
Examines analog and computer games from a cultural perspective. Explores how prevailing culture and values affect game design, popularity, and experience. How games affect those areas of culture, such as imagining disaster, utopia and dystopia. Explores role-playing and identity, ethics, group behavior, competition, politics, gender, race, and aesthetics.

**POLSCI248S - Games and Culture: Gateway to the Study of Games**

**Subject**
POLSCI

**Catalog Number**
248S

**Title**
Games and Culture: Gateway to the Study of Games

**Description**
Examines analog and computer games from a cultural perspective. Explores how prevailing culture and values affect game design, popularity, and experience. How games affect those areas of culture, such as imagining disaster, utopia and dystopia. Explores role-playing and identity, ethics, group behavior, competition, politics, gender, race, and aesthetics.
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<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Subject</th>
<th>Catalog Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>POLSCI252</td>
<td>Life Within Capitalism: A History of its Values, Measures and Struggles</td>
<td>POLSCI</td>
<td>252</td>
<td>Examination of how capitalism has profoundly shaped people's ethical values, with focus on United States. Investigates central developments behind history of capitalism; explores key struggles that led to formation of capitalist logic (choices, values, goals); traces impact of capitalist goals and measures on ethical values and choices; examines discussions about possible future developments within capitalism.</td>
</tr>
<tr>
<td>POLSCI253</td>
<td>Christian Ethics and Modern Society</td>
<td>POLSCI</td>
<td>253</td>
<td>An introduction to Christian ideals of conduct, character, and community, and to modern disputes over their interpretation and application. Are Christian virtues and principles fundamentally at odds with the ethos of liberal democracy oriented toward rights, equality, and freedom? What do Christian beliefs and moral concepts imply about issues related to identity and pluralism? What is the relationship between religious convictions, morality, and law? Special emphasis on selected political and economic problems, sexuality and marriage, capital punishment, animals and the environment, abortion, and the role of religion in public life.</td>
</tr>
<tr>
<td>POLSCI253S</td>
<td>Christian Ethics and Modern Society</td>
<td>POLSCI</td>
<td>253S</td>
<td>An introduction to Christian ideals of conduct, character, and community, and to modern disputes over their interpretation and application. Are Christian virtues and principles fundamentally at odds with the ethos of liberal democracy oriented toward rights, equality, and freedom? What do Christian beliefs and moral concepts imply about issues related to identity and pluralism? What is the relationship between religious convictions, morality, and law? Special emphasis on selected political and economic problems, sexuality and marriage, capital punishment, animals and the environment, abortion, and the role of religion in public life.</td>
</tr>
<tr>
<td>POLSCI254S</td>
<td>The US Intelligence Enterprise</td>
<td>POLSCI</td>
<td>254S</td>
<td>Course will explore the intelligence discipline through examination of the US Intelligence Enterprise. Students will review pivotal intelligence policies, the organizational design of the US intelligence apparatus, and contemporary ethical issues associated with intelligence collection, both foreign and domestic. Through team projects and active learning exercises, students will gain exposure to the sub-disciplines of intelligence collection and intelligence analysis. Open to undergraduate sophomores and juniors.</td>
</tr>
</tbody>
</table>
**POLSCI256S - Contemporary Nationalism and Classical Political Theory**

**Subject** POLSCI  
**Catalog Number** 256S  
**Title** Contemporary Nationalism and Classical Political Theory

**Description**  
Ancient Greece and Rome offered competing visions of politics based on republics and the cosmopolitan idea of humans as world-citizens. In light of classical political theory and the resurgence of nationalism in current politics, we will consider the following questions: Should politics be based on concern for the individual or the nation? Do we have stronger duties to our nations and fellow citizens than to the rest of the world? If so, can we ignore other countries and focus on our own problems? Should foreign policy further the goals of nation-states or focus on global justice? Are nation-states necessary? How should we address the environment, immigration, and economic globalization?

**POLSCI257 - Latin American Wars of Independence**

**Subject** POLSCI  
**Catalog Number** 257  
**Title** Latin American Wars of Independence

**Description**  
This course covers the conspiracies, uprisings, and wars that led to the independence of Haiti and the Latin American colonies of Spain and Portugal between 1780 and the 1898 withdrawal of Spain from Cuba. It focuses on the key military and political leaders of anti-colonial struggles conducted on a continental scale from the islands of the Caribbean to the Andean highlands and beyond. Military strategy and political tactics were decisively shaped by modern debates about the meaning of freedom in terms of slavery and national self-determination. No prior knowledge of Latin America and the Caribbean required.

**POLSCI258D - From Machine Learning to Ethnography: Puzzles and Approaches to International Development**

**Subject** POLSCI  
**Catalog Number** 258D  
**Title** From Machine Learning to Ethnography: Puzzles and Approaches to International Development

**Description**  
This is an introductory course in applied social science that examines policy issues in developing countries, with a focus on applied research and statistical methods. The objectives of the course are threefold: 1) to introduce students to a range of topics and puzzles in international development; 2) to introduce the broad range of research methods that social scientists use to rigorously study development; and 3) to apply those tools to topics and data that you care about.

**POLSCI259 - Russia in the World: From Cold War to Putin's Wars**

**Subject** POLSCI  
**Catalog Number** 259  
**Title** Russia in the World: From Cold War to Putin's Wars

**Description**  
Traces evolution of Russian Federation foreign policy from the collapse of the Soviet Union at the beginning of the 1990s to the 2022 war in Ukraine. Examines elements of Russian grand strategy: military, economic (especially oil and gas), and diplomatic tools. Explores the role of one individual, President Vladimir Putin, in shaping policy in an increasingly autocratic state. Focuses on Russia’s relations with its neighbors, former allies, Europe, and the wider world, including the United States. Identifies linkages between domestic politics and events and foreign policy. Assignments focus on translating historical knowledge into actionable policy advice to meet current challenges.
POLSCI260A - Frontier City Berlin: Facing History's Great Challenges

Subject: POLSCI
Catalog Number: 260A
Title: Frontier City Berlin: Facing History's Great Challenges

Description
This course deals with some of the great challenges and conflicts of the 20th and 21st century, such as capitalism vs. communism; authoritarian vs. democratic governance, and focuses on Berlin as a city at the forefront of historic struggles. In particular, it treats Berlin as the site of the first socialist revolution in a highly industrialized nation (1918/19); the rise of fascism amidst an advanced urban culture, the legacy of world war and totalitarian rule; the Cold War division of Berlin; the fall of communism and the crises of capitalism; and the search for an environmentally sustainable future. Offered in English in the Duke-in-Berlin summer program.

POLSCI262 - The Holocaust

Subject: POLSCI
Catalog Number: 262
Title: The Holocaust

Description
Antisemitism and the Jewish question in Central Europe, the development of Nazi policy, the Final Solution in its different sites (ghetto, labor camps, extermination camps) and institutions (SS, Judenrat), the Holocaust's legacy. Historiographical debates and documentary research.

POLSCI263 - The Political History of Modern Architecture: From Revolution through Neoliberalism

Subject: POLSCI
Catalog Number: 263
Title: The Political History of Modern Architecture: From Revolution through Neoliberalism

Description
Given the needs for labor, materials, and legal permissions, architects in the modern period by definition intersect with interests of power. This course explores the role of political institutions and ideologies in the history of modern architecture. While the course focuses on European and North American examples, we will also include key case studies of non-Euroamerican architecture and politics. The course provides a foundational knowledge of the history of modern architecture as well as how political institutions and ideologies have influenced that development.

POLSCI264S - Democratic Erosion

Subject: POLSCI
Catalog Number: 264S
Title: Democratic Erosion

Description
The course is divided into two broad modules. The first module begins by defining democracy and democratic erosion, and then surveys six substantive themes. Each of the first five substantive themes addresses one of the causes, symptoms, and/or consequences of democratic erosion; the sixth—resistance—explores mechanisms for defending democracy from the threat of erosion. In the second module, regional or country case studies are discussed in greater depth. We conclude by returning to the case of the US and our own unique political moment.
### POLSCI265S - Introduction to American Political Thought

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<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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<tbody>
<tr>
<td>POLSCI</td>
<td>265S</td>
<td>Introduction to American Political Thought</td>
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</tbody>
</table>

**Description**
Basic elements of the American political tradition examined through a critical analysis of the ethical and political issues and controversies that developed from its historical English roots to the present day.

### POLSCI267 - Religion and Politics in American History

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<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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<tbody>
<tr>
<td>POLSCI</td>
<td>267</td>
<td>Religion and Politics in American History</td>
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</tbody>
</table>

**Description**
This course surveys the complex entanglements of religion and politics from the colonial era through the current day. Topics covered include: religious liberty and toleration, secularization, the rise of African-American churches, the Civil War, national identity and the Protestant establishment, the religious politics of women's rights, religion and the market, the Cold War, the civil rights movement, the religious left and right, debates over church-state separation, constructions of religious pluralism, religion after 9/11, and the rise of Christian nationalism.

### POLSCI268 - Politics and Literature

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<tr>
<th>Subject</th>
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<tbody>
<tr>
<td>POLSCI</td>
<td>268</td>
<td>Politics and Literature</td>
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</tbody>
</table>

**Description**
The enduring questions of ethical and political issues and controversies as expressed in political philosophy and politics and as illustrated in literature. Comparative historical, literary, and philosophical analysis.

### POLSCI270 - Ambition and Politics

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<th>Subject</th>
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<th>Title</th>
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<tbody>
<tr>
<td>POLSCI</td>
<td>270</td>
<td>Ambition and Politics</td>
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</tbody>
</table>

**Description**
An examination of the role of great ambition for good and for ill in politics. Readings include Homer's Iliad, Plutarch's Life of Alexander the Great, Machiavelli's The Prince, Shakespeare's Macbeth, Rosenbaum's Hitler: The Origin of His Evil, and biographical material on Nelson Mandela.

### POLSCI272 - Human Rights in Theory and Practice

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<th>Subject</th>
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<th>Title</th>
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<tbody>
<tr>
<td>POLSCI</td>
<td>272</td>
<td>Human Rights in Theory and Practice</td>
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</tbody>
</table>

**Description**
The nature and value of human rights; examining some major debates over their status and meaning and assessing the role which the idea of human rights has played in changing lives, practices, and institutions. Questions considered include: whether commitments to human rights depend on a belief in moral truth; whether the idea of universal human rights makes sense in a culturally diverse world; and what forms of social action are most likely to achieve respect for human rights.

### POLSCI273 - The Middle East Through Film

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<th>Subject</th>
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<tr>
<td>POLSCI</td>
<td>273</td>
<td>The Middle East Through Film</td>
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</table>

**Description**
Film as access into the region through a series of direct as well as poetic connections woven across films viewed, filmmakers featured, lectures, discussions, and texts read. By means of the integration of course components and students' weekly responses, an understanding of the region is developed by way of inquiry into and rigorous engagement with cultural production. From feature length films to shorts, the breadth of the work we will engage with includes documentaries, dramas, and less traditional forms. A substantial midterm paper, and a final project to be in the form of one of three potential possibilities subject to approval of proposal: a paper, a talk, a short film.
POLSCI274S - Race and Society: South Africa and the US, 1890-present

**Subject**  POLSCI  
**Catalog Number**  274S  
**Title**  Race and Society: South Africa and the US, 1890-present

**Description**
Scholars, pundits and historical actors have long drawn parallels between the United States & South Africa-two countries founded on the premises of racial inequality. This course explores the machinations of race from the quickening of industrial development to present. We will consider the benefits and pitfalls of thinking comparatively. Topics include segregation, transatlantic cultural exchanges, living apartheid and Jim Crow, government surveillance of political opponents, the American anti-apartheid movement, mass incarceration and privatization of prisons, memory and the struggles for social change as well as the persistence of racial inequality in two country's contemporary societies.

POLSCI275 - Left, Right, and Center: Competing Political Ideals

**Subject**  POLSCI  
**Catalog Number**  275  
**Title**  Left, Right, and Center: Competing Political Ideals

**Description**
Analysis of liberalism, conservatism, socialism, and their diverse conceptions of justice, freedom, community, and equality. Exploration of how these political philosophies interpret various social, religious, and political issues. The origins of these ideologies in early modern European thought.

POLSCI275S - Left, Right, and Center: Competing Political Ideals

**Subject**  POLSCI  
**Catalog Number**  275S  
**Title**  Left, Right, and Center: Competing Political Ideals

**Description**
Analysis of liberalism, conservatism, socialism, and their diverse conceptions of justice, freedom, community, and equality. Exploration of how these political philosophies interpret various social, religious, and political issues. The origins of these ideologies in early modern European thought.

POLSCI276 - Contemporary Documentary Film: Filmmakers and the Full Frame Documentary Film Festival

**Subject**  POLSCI  
**Catalog Number**  276  
**Title**  Contemporary Documentary Film: Filmmakers and the Full Frame Documentary Film Festival

**Description**
Integrated with the films and filmmakers of the Full Frame Documentary Film Festival. The art form, style, and technology of contemporary documentary films. Issues of autonomy and power, politics, and public policies. Analysis of outstanding films from around the world. Presentations and discussions by filmmakers.
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<tbody>
<tr>
<td>POLSCI</td>
<td>277D</td>
<td>The Ethics of War: Self-Defense, Humanitarian Intervention, Terrorism and Law</td>
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<td>Examines ethical questions of war: 1) when are you justified in taking up arms and killing others?; 2) what limits, if any, does morality place on how wars can be prosecuted?; 3) what is required of combatants in the aftermath of conflict?; 4) how do the existence of international laws and institutions affect our answers to these questions? Will also consider the ethical dilemmas raised by the following issues: preemptive invasions, terrorism, cyber and nuclear weapons, and unmanned drones. Readings include classic and modern works of just war theory.</td>
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<tr>
<td>POLSCI</td>
<td>278</td>
<td>Roman Political Thought and Its Modern Legacy</td>
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<td>Why does Rome still capture the imagination of modern political commentators and theorists? This course examines Roman political thought as it was conceived under the Republic, reimagined under the Empire, and transformed by Christianity. Topics may include the Roman constitution, liberty, equality, property, slavery, rights, citizenship, civil religion, political corruption, rhetoric, imperialism, just war theory, and cosmopolitanism.</td>
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<tbody>
<tr>
<td>POLSCI</td>
<td>279</td>
<td>Professionalization and the Job Search</td>
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<td></td>
<td>What will you do with your Duke political science degree? This course will prepare you for your (professional) life after leaving Duke, equipping you with the knowledge, tools, and confidence to thrive in your post-Duke career. The class is tailored for those interested in pursuing internships offered in the following summer.</td>
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<th>Title</th>
<th>Description</th>
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<tbody>
<tr>
<td>POLSCI</td>
<td>280T</td>
<td>Applied Sociology Research</td>
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<td>Project-based course in which undergraduate and graduate students work collaboratively to produce a significant public-facing research product drawing on sociological contexts and methods. Topics vary depending on section. Students will gain a conceptual understanding of the project topic, develop research plans, conduct new research, and develop a final product containing significant analysis and interpretation (e.g., exhibits, databases, white papers, data visualizations). Graduate students will mentor undergraduate students and take leadership roles in facilitating projects. Some courses will continue in a two-semester sequence. Instructor consent required.</td>
</tr>
</tbody>
</table>
### POLSCI281T - Applied Sociology Research

**Subject**  
POLSCI

**Catalog Number**  
281T

**Title**  
Applied Sociology Research

**Description**  
Project-based course in which undergraduate and graduate students work collaboratively to produce a significant public-facing research product drawing on sociological contexts and methods. Topics vary depending on section. Students will gain a conceptual understanding of the project topic, develop research plans, conduct new research, and develop a final product containing significant analysis and interpretation (e.g., exhibits, databases, white papers, data visualizations). Graduate students will mentor undergraduate students and take leadership roles in facilitating projects. Some courses will continue in a two-semester sequence. Instructor consent required.

### POLSCI282A - Duke Summer Program: Oxford

**Subject**  
POLSCI

**Catalog Number**  
282A

**Title**  
Duke Summer Program: Oxford

**Description**  
Political System of Modern Britain. Open only to students in the Duke Summer Program: Oxford.

### POLSCI288S - Transformative Ideas: Power, Theater, and Politics

**Subject**  
POLSCI

**Catalog Number**  
288S

**Title**  
Transformative Ideas: Power, Theater, and Politics

**Description**  
What is power? How is it created, transferred, or lost within a polity? What happens when one entity seizes power from another? Must violence always be at the center of that event, or can shared culture animate the accumulation and maintenance of power in a society? This Transformative Ideas seminar examines how insights in political theory and theater studies have addressed these questions. Concepts include ambition; sovereignty; violence and coercion; collectivism, especially nationalism; and rhetoric. Key writers include Aristotle; Plato; Machiavelli; Sophocles; Shakespeare; Weber; Arendt; Douglass; Soyinka; Alfred Jarry; Caryl Churchill; June Jordan, and Lynn Nottage.

### POLSCI288SA - Political Polarization in Contemporary Western Democracies

**Subject**  
POLSCI

**Catalog Number**  
288SA

**Title**  
Political Polarization in Contemporary Western Democracies

**Description**  
This seminar seeks to understand current developments in societal polarization in France, Germany, the UK, and the US, with particular attention to how specific political processes benefit or hamper political polarization.

### POLSCI290 - Special Topics in Political Science

**Subject**  
POLSCI

**Catalog Number**  
290

**Title**  
Special Topics in Political Science

**Description**  
Special topics in political science.

### POLSCI290A - Duke-Administered Study Abroad: Advanced Special Topics in Political Science

**Subject**  
POLSCI

**Catalog Number**  
290A

**Title**  
Duke-Administered Study Abroad: Advanced Special Topics in Political Science

**Description**  
Topics differ by section.
**POLSCI290D - Special Topics in Political Science**

Subject: POLSCI  
Catalog Number: 290D  
Title: Special Topics in Political Science  
Description: Special topics in political science with discussion.

**POLSCI290S - Special Topics in Political Science**

Subject: POLSCI  
Catalog Number: 290S  
Title: Special Topics in Political Science  
Description: Special topics in political science seminar.

**POLSCI291-1 - Sophomore/Junior Independent Study Political Theory**

Subject: POLSCI  
Catalog Number: 291-1  
Title: Sophomore/Junior Independent Study Political Theory  
Description: Individual non-research directed study in a field of special interest, under the supervision of a faculty member. Offered only in areas of study not otherwise provided in department course offerings, and with direct approval and sponsorship of a faculty member. Will not generally be offered unless student has first established an extensive record of work with the faculty member. Written permission of faculty member, and detailed description of course of directed study, required before contacting the Director of Undergraduate Studies for permission number. Fulfills a political theory course requirement.

**POLSCI291-2 - Sophomore/Junior Independent Study Political Institutions**

Subject: POLSCI  
Catalog Number: 291-2  
Title: Sophomore/Junior Independent Study Political Institutions  
Description: Same as Political Science 291-1 except fulfills a political institutions course requirement.

**POLSCI291-3 - Sophomore/Junior Independent Study Security Peace and Conflict**

Subject: POLSCI  
Catalog Number: 291-3  
Title: Sophomore/Junior Independent Study Security Peace and Conflict  
Description: Same as Political Science 291-1 except fulfills a security, peace and conflict course requirement.

**POLSCI291-4 - Sophomore/Junior Independent Study Political Behavior and Identities**

Subject: POLSCI  
Catalog Number: 291-4  
Title: Sophomore/Junior Independent Study Political Behavior and Identities  
Description: Same as Political Science 291-1 except fulfills a political behavior and identities course requirement.
**POLSCI291-5 - Sophomore/Junior Independent Study Political Methodology**

Subject: POLSCI  
Catalog Number: 291-5  
Title: Sophomore/Junior Independent Study Political Methodology

Description: Same as Political Science 291-1 except fulfills a political methodology course requirement.

**POLSCI291-6 - Sophomore/Junior Independent Study Political Economy**

Subject: POLSCI  
Catalog Number: 291-6  
Title: Sophomore/Junior Independent Study Political Economy

Description: Same as Political Science 291-1 except fulfills a political economy course requirement.

**POLSCI292-1 - Internship**

Subject: POLSCI  
Catalog Number: 292-1  
Title: Internship

Description: Open to students engaging in practical or governmental work experience during the summer or a regular semester. A faculty member in the department will supervise a program of study related to the work experience, including a substantive paper on a politics-related topic, containing significant analysis and interpretation. Consent of director of undergraduate studies required.

**POLSCI293A - Research Independent Study on Contemporary China**

Subject: POLSCI  
Catalog Number: 293A  
Title: Research Independent Study on Contemporary China

Description: Research and field studies culminating in a paper approved and supervised by the resident director of the Duke in China program. Includes field trips on cultural and societal changes in contemporary China. Offered only in the Duke in China Program.

**POLSCI294A - Political Economy of Immigration**

Subject: POLSCI  
Catalog Number: 294A  
Title: Political Economy of Immigration

Description: The regulation of labour immigration is among the most important and controversial public policy issues in high-income countries. Many countries in Europe and North America, including the UK and the US, have experienced very rapid increases in labour immigration over the past 20 years. Instructor consent is required.

**POLSCI295A - Environmental Policy in Europe: Duke in Berlin**

Subject: POLSCI  
Catalog Number: 295A  
Title: Environmental Policy in Europe: Duke in Berlin

Description: Economic concepts and environmental policies with their application to selected environmental issues in Western and Eastern Europe, transboundary pollution problems, and the role of the European Community. Taught by a leading German expert in the Duke-in-Berlin fall semester program.
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<th>Title</th>
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<tr>
<td>POLSCI</td>
<td>297A</td>
<td>Political Philosophy of Globalization</td>
<td>Examination of the claim made for and against the expansion of free exchange on economic, political, and cultural institutions and conditions, from the perspectives of competing ethical theories and political philosophies. Taught only in the Duke in Geneva Summer Study Abroad program.</td>
</tr>
<tr>
<td>POLSCI</td>
<td>301S</td>
<td>Illiberal Nondemocracies: Focus on Eastern Europe and Asia</td>
<td>As of 2016, only 11% of the countries in the world are liberal democracies. Some insight about how illiberal regimes function is a must to understand what is going on in the world. In this course, we explore illiberal and/or nondemocratic regimes of Eastern Europe and Asia—a perfect laboratory for the subject. We develop nuanced ideas about key concepts such as elections, representation, party rule, dictatorship, populism, patronalism, authoritarianism, and totalitarianism as well as the dilemmas of freedom, security, corruption, and development. We study the regimes of countries such as Hungary, Russia, Turkey, China and follow the news to see how political regimes evolve in real time.</td>
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<tr>
<td>POLSCI</td>
<td>302</td>
<td>Constitutional Law in the American Political Tradition</td>
<td>The Constitution plays a preeminent role in U.S. political history and public discourse. Yet what does it mean for a government or policy to be constitutional—and why do we care so much? This course studies the concept of constitutionalism in the American political tradition. Why does the Constitution play such a significant role in American politics? What philosophical, moral, economic, and political considerations shaped our Constitution—and what might have been left out? What rights does the U.S. Constitution guarantee? How has our understanding of the Constitution—and its role in our republic—shifted over time?</td>
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<tr>
<td>Course Code</td>
<td>Title</td>
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<tr>
<td>POLSCI303D</td>
<td>Religion, Restrictions, and Violence</td>
<td>An examination of the historical roots and current manifestations of religiously-justified violence and disenfranchisement, with a focus on the Abrahamic traditions (Judaism, Christianity, and Islam). The violence treated will include the expressly physical as well as the more insidiously existential, including political and cultural marginalization. Major loci of exploration will include gender and sexuality, Israel-Palestine, and the intersection of contemporary identities. Topics include the nature of extremisms within each tradition, the challenges of assimilation and 'modernity,' and the role and nature of citizenship and territory.</td>
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<tr>
<td>POLSCI304S</td>
<td>The Democratic Mission of American Higher Education</td>
<td>This seminar will explore the purposes of American higher education, with a focus on the origins of higher education in this country and important period of institutional evolution. We will interrogate the relationship between democracy and higher education in two ways. First, by understanding how democracy provides the necessary conditions for higher education to pursue its core mission. Second, by looking at how higher education promotes democratic values. The course will pay particular attention to post WWII American higher education, with a focus on important contemporary debates on higher education issues.</td>
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<tr>
<td>POLSCI305S</td>
<td>Black Politics</td>
<td>Course focuses on the evolution, nature, and role of African-Americans within the American political system. The concern is with African Americans as actors, creators and initiators in the political process. Beginning with an exploration of the historical antecedents of blackness in America, we will explore how the black experience in America has shaped the American political system. Beginning with an exploration of the historical antecedents of blackness in America, we will explore how the black experience in America has shaped the American political system (specifically public opinion, political institutions, political behavior, and salient public policy debates) and how black Americans have come to understand their position within the American political system.</td>
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<tr>
<td>POLSCI308</td>
<td>Islam and the State: Political Economy of Governance in the Middle East</td>
<td>Lecture version of Economics 326S. Introduction to political history of Middle East from advent of Islam 14 centuries ago to modern era. Four objectives: (1) familiarize students with institutions responsible for characteristics of political development in region; (2) examine particular transformations/selected cases of inertia to derive lessons about mechanisms that govern political development, including democratization; (3) investigate how religion shaped region's political trajectory; (4) identify social forces, especially economic forces, driving contemporary rediscovery/reinterpretation of Islam's political organization and requirements, by both Islamists and secular political actors.</td>
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</table>
POLSCI310 - Political Analysis for Public Policy-Making

**Subject** 
POLSCI

**Catalog Number** 
310

**Title** 
Political Analysis for Public Policy-Making

**Description**
Analysis of the political and organizational processes which influence the formulation and implementation of public policy. Alternative models. Prerequisite: Public Policy 155D.

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POLSCI313S - Social Movements in Age of Globalization

**Subject** 
POLSCI

**Catalog Number** 
313S

**Title** 
Social Movements in Age of Globalization

**Description**
Study of primary models and theories of social movements developed in fields of Sociology and Political Science. Readings provide vocabulary and conceptual framework for understanding how people organize, how social movements use media, role of leadership, meaning of success, and several other basic issues. Focus on social movements of last few decades. Students will conduct group projects on a selected contemporary social movement. Contemporary social movements considered include Occupy, 1SM movement in Spain, Gezi Park encampment in Turkey, urban protests in Brazil, and Arab Spring uprisings.

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POLSCI315S - Political Economy of Financial Crises

**Subject** 
POLSCI

**Catalog Number** 
315S

**Title** 
Political Economy of Financial Crises

**Description**
Exploration of the political economy of financial crises with central theoretical emphasis on the role of ideas, institutions, and interests. Addresses causes of banking, currency and debt crises as well as their political consequences—both national and international. Geographical and historical coverage will be relatively broad, spanning historical cycles of financial crisis as well as specific boom and bust episodes involving Latin America, Asia, the United States, and countries of the Eurozone.

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POLSCI317 - Global Corruption

**Subject** 
POLSCI

**Catalog Number** 
317

**Title** 
Global Corruption

**Description**
Inquiry into causes and political, social, and economic effects of corruption worldwide, with focus on developing countries. Analysis of prospects of success in anticorruption reform and prescriptions for hurrying it along. Examination of role of political institutions, social norms, multinational firms, international organizations, grassroots activists. Readings include legal research, case studies, statistical analyses, policy reports. Prior coursework in political science a prerequisite, basic understanding of multivariate statistics helpful but not required.

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POLSCI318 - Congress and the President

**Subject** 
POLSCI

**Catalog Number** 
318

**Title** 
Congress and the President

**Description**
Critical interpretations of public policies and institutional practices to better understand the United States system of divided government. Special attention to understanding the consequences of cooperative and adversarial goals of the executive branch and the Congress. Features of this institutional balance of power in policy-making; institutional and political origins of laws and regulations.

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POLSCI319S - US Comparative State Politics

**Subject** 
POLSCI

**Catalog Number** 
319S

**Title** 
US Comparative State Politics

**Description**
Intensive comparative examination of government, political cultures, and politics in the American States, including institutions (governors, legislatures, courts), history of federalism, policies, practices, and diverse cultural factors such as class, race, ethnicity, gender, religion, urban-rural-suburban residencies that affect state politics. DukeImmerse students only. Instructor consent required.
POLSCI321 - International Law and International Institutions

Subject  Catalog Number  Title
POLSCI    321          International Law and International Institutions

Description
The relationship between international politics and international law; how international institutions operate and affect social practices, and how legalization of institutions changes the manner of interpretation of legal texts. The nature of legal and political discourse over issues subject to international law such as human rights; issues of compliance with rules, the connections between international relations and domestic law, and the overall effects of international law and institutions on world politics; cross-national differences in attitudes toward issues such as environmental regulation, trade liberalization, and military intervention on behalf of human rights. Prerequisite: Political Science 160 or equivalent.

POLSCI322 - Introduction to Middle East Politics

Subject  Catalog Number  Title
POLSCI    322          Introduction to Middle East Politics

Description
Introduction to political systems, processes, movements, and conflicts in the Middle East.

POLSCI324S - Chinese Politics

Subject  Catalog Number  Title
POLSCI    324S         Chinese Politics

Description
Inquiry into politics and policy in contemporary China. Equal focus on political fundamentals and major new policy challenges. Political fundamentals include communist party, elite politics, policy process, political culture, legal reform, representation, interest groups, protests, political dissidence. Policy challenges include economic growth, socioeconomic inequality, political corruption, social media, human rights, population planning, environmental degradation, minority nationalities, China as global player. Course does not assume prior knowledge about China. Prior coursework in political science or policy helpful but not required.

POLSCI325 - Demystifying Academia: The Hidden Curriculum of Graduate School and the Professoriate

Subject  Catalog Number  Title
POLSCI    325          Demystifying Academia: The Hidden Curriculum of Graduate School and the Professoriate

Description
The course is designed for students who seek to apply to and attend graduate school, obtain their Ph.D., and live the life of the mind as a professor. The course has three main goals. First, we will gain a foothold of the various processes that are involved in graduate admissions through accepting an offer to attend graduate school. Second, we will consider the hidden curriculum of graduate school and academia, more broadly. Finally, we will learn some of the nuts and bolts of the research process as well as develop/enhance good habits and skills of those who write well and consistently.
### POLSCI327S - The Economic and Political Performance of Civilizations

**Subject**  |  **Catalog Number**  |  **Title**  
---|---|---
POLSCI | 327S | The Economic and Political Performance of Civilizations

**Description**

Critical survey of theories concerning the economic and political development of major civilizations, with an emphasis on the causes of differences that took shape and persisted over long time periods. The theories covered address the roles of institutions, cultures, legal systems, beliefs, family structures, religions, institutions, technologies, geography, and natural resources. Interactions between economic and political development. Prerequisite: Econ 201D, or instructor consent.

### POLSCI328 - Statecraft and Strategy

**Subject**  |  **Catalog Number**  |  **Title**  
---|---|---
POLSCI | 328 | Statecraft and Strategy

**Description**

Introduces students to the history of how leaders have seen the world and tried to shape it in war and peace. Begins with examination of foundational texts in the history of strategy from around the world. Lectures focus on case studies in diplomatic and military history from the ancient to the contemporary world and spanning the globe. Explores how changes in technology and society (and social mores) have impacted statecraft. Introduces students to the concept of strategy and its applications in statecraft and other fields such as activism, business, and politics. Assignments focus on applying the lessons of history to challenges facing the United States and other countries today.

### POLSCI329S - Politics in Violence

**Subject**  |  **Catalog Number**  |  **Title**  
---|---|---
POLSCI | 329S | Politics in Violence

**Description**

Exploration of the role of violence in politics. What is the role of violence in the formation and consolidation of states? What is the relationship between violence and political regimes? In-depth analysis of the varieties of political violence in contemporary world: terrorism, coups, riots, wars, protest violence, revolutions. Combination of theoretical analysis and empirical exploration of cases. Exploration of non-violent forms of resistance and protest. Reading responses and final research paper required.

### POLSCI330 - Quantitative Political Inquiry and Evaluation

**Subject**  |  **Catalog Number**  |  **Title**  
---|---|---
POLSCI | 330 | Quantitative Political Inquiry and Evaluation

**Description**

Theory and practice of causal inference in political science research and policy impact evaluation. Students master how to test hypotheses and evaluate the substantive impacts of policy treatments using regression, experimental and survey techniques. Also develop skills in software applications such as Stata and R. Assigned texts assist learning of both the quantitative methods and how they are applied in practice and assignments emphasize practical applications. Prerequisites: Statistics 101 or higher; first semester of calculus (Mathematics 21, 111L or 121).

### POLSCI331 - Prisoner's Dilemma and Distributive Justice

**Subject**  |  **Catalog Number**  |  **Title**  
---|---|---
POLSCI | 331 | Prisoner's Dilemma and Distributive Justice

**Description**

Economic, political, and philosophical perspectives on distribution justice and the problems in each discipline raised by variations on the prisoner’s dilemma. Classic texts include Hobbes and Hume, Smith and Mill, Rawls and Nozick. Gateway course to the Politics, Philosophy, and Economics certificate program. Recommended prerequisite: Economics 101 and a course in ethics or political philosophy.

### POLSCI332 - Games and Politics

**Subject**  |  **Catalog Number**  |  **Title**  
---|---|---
POLSCI | 332 | Games and Politics

**Description**

Applications of modern decision theory to the study of political science. Topics include: individual decision theory and rational choice; game theory and human interaction; and social choice theory and the mechanisms by which individual choices are aggregated into collective choices. Political institutions such as voting rules, legislatures, parties, and hierarchy, alternative voting methods and political institutions, and how societies solve some practical distributive problems. Although course has no mathematical prerequisites, students should be willing to consider abstract models and follow logically rigorous arguments. Not open to students who have taken Political Science 671S.
**POLSCI333S - Democracy and Social Choice**

**Subject** 
POLSCI

**Catalog Number** 
333S

**Title** 
Democracy and Social Choice

**Description**
Course introduces students to the study of social choice and democratic theory. Social choice theory studies the properties of political institutions by which individual preferences are aggregated into collective choices. It provides a useful and powerful analytical framework to understand the choice and consequence of political institutions in democratic political systems. Topics include voting methods and theories, electoral systems, theoretical properties of social choice functions, strategic voting, voter qualifications, politics of suffrage, secret vs. open ballot, voting restrictions, representative districting, voting fraud, voting technology, etc.

**POLSCI334 - How to Rule the World: Empire and Global Governance from Greece to America**

**Subject** 
POLSCI

**Catalog Number** 
334

**Title** 
How to Rule the World: Empire and Global Governance from Greece to America

**Description**
From Babylon and Persia to Greece and Rome, empires have risen and fallen, but they always seem to make a comeback. Their defenders point to the stability they bring to a chaotic world. Their detractors point to the harsh rule required to maintain them. This course will explore arguments for and against empire, drawing on history, philosophy, and political theory, with a special focus on the Greeks and Romans. Then, in light of the parallel problems of empire and global governance, we will ask what lessons we can learn for the practice of international affairs today. Contemporary topics will include global institutions, foreign intervention, East Asia policy, and NATO and Eastern Europe.

**POLSCI335S - Economic, Political, and Social Institutions**

**Subject** 
POLSCI

**Catalog Number** 
335S

**Title** 
Economic, Political, and Social Institutions

**Description**
Considers the following questions in the context of both formal and informal institutions across the social, political and economic worlds: What is an institution? How do institutions arise? How do institutions persist? And how can institutions change? Specific institutions that serve as topics include: Prison gangs, same-sex marriage, capitalism, peace agreements, and many more. Students complete a project in which they study a real-world problem of their choice from an institutional perspective. Projects culminate in a detailed proposal to affect institutional change to solve the problem.

**POLSCI336S - Racial Justice in the 20th Century US and South Africa**

**Subject** 
POLSCI

**Catalog Number** 
336S

**Title** 
Racial Justice in the 20th Century US and South Africa

**Description**
This course uses a comparative framework to assess race in two societies founded on premises of racial inequality: South Africa and the United States. We will explore some of the social, cultural and political exchanges that have taken place between African Americans and Black South Africans over the course of the twentieth century. Additional topics include segregation, twentieth century struggles for civil rights/liberation, the American anti-apartheid movement, and the possibilities for restitution.
**POLSCI337S - Apartheid South Africa and Struggles for Democracy**

**Subject**
POLSCI

**Catalog Number**
337S

**Title**
Apartheid South Africa and Struggles for Democracy

**Description**
Working through an array of diverse organizations – including the African National Congress, the Pan African Congress, the Black Consciousness Movement, a host of liberal organizations, the churches, the trade union federations, and countless more - South Africans fought against apartheid from its inception. In 1994 they achieved a multi-racial democracy led by President Nelson Mandela. This seminar explores key themes in post-World War II South African history, paying special attention to the plethora of anti-apartheid struggles, while analyzing the tenets of apartheid policies.

**POLSCI338 - Political Economy of South East Asia**

**Subject**
POLSCI

**Catalog Number**
338

**Title**
Political Economy of South East Asia

**Description**
Course studies the history, political institutions, and economic development of South East Asia. Topics include the history of the region including the pre-colonial period, forms of colonialism, the impact of World War II, the struggles for independence, nationalism, and communism, and the impact of the Asian Financial Crisis; tools of political economy to place the countries in a broader comparative perspective; and issues of great powers in South East Asia and the growing influence of political Islam in the region.

**POLSCI340D - The Modern Regulatory State**

**Subject**
POLSCI

**Catalog Number**
340D

**Title**
The Modern Regulatory State

**Description**
Interdisciplinary inquiry into the origins/evolution of modern regulatory institutions in Western Europe and North America, along with the more recent rise of global regulatory bodies. Examines conceptual frameworks from across the social sciences, and considers the ethical dimensions of current debates over regulatory purposes, strategies, and policies in areas such as finance and the environment.

**POLSCI341S - Business and Human Rights Advocacy Lab**

**Subject**
POLSCI

**Catalog Number**
341S

**Title**
Business and Human Rights Advocacy Lab

**Description**
An exploration of human rights advocacy from a legal, political science and comparative perspective. Will focus on issues related to corporate accountability. A core component of the course will include a human rights ‘lab’ in which students work in teams on policy-oriented projects, potentially in collaboration with community partners.

**POLSCI342 - Strategy and Politics**

**Subject**
POLSCI

**Catalog Number**
342

**Title**
Strategy and Politics

**Description**
Introduction to the application of rational choice analysis (or economic models) to the study of political phenomena. Topics include social choice theory, legislative voting, problems of cooperation and collective action, and public choice theory. Familiarity with algebra and geometric reasoning required.

**POLSCI345 - Experimental Political Science**

**Subject**
POLSCI

**Catalog Number**
345

**Title**
Experimental Political Science

**Description**
Hands-on introduction to experimental work in political science. Course divided into thirds. First third: what are political science theories and how can we test them? Second third: political science in the lab. We’ll use behavioral games and incentivized experiments to explore political behavior; students will formulate, run, and write up results from their own game, using classmates as subjects. Last third: political science in the field. We’ll turn to survey and field experiments to address external validity; students will create, field, and write up results from their own survey.
POLSCI346 - Business, Politics, and Economic Growth

Subject: POLSCI  
Catalog Number: 346  
Title: Business, Politics, and Economic Growth

Description: The historical origins of political institutions affecting economic growth across advanced capitalist countries in Europe, America, and East Asia: capital markets, labor relations, research and development policy, social policy; effect of globalization and technological change on these nationally diverse arrangements; global convergence of corporate governance, national divergence of labor relations, research and development policies, and social policies.

POLSCI348 - Global Environmental Politics

Subject: POLSCI  
Catalog Number: 348  
Title: Global Environmental Politics

Description: This course examines the international community's responses to various global environmental problems. Because many environmental problems cross national borders, solutions require some form of global governance such as state-led mechanisms in the form of international environmental regimes. The course will thus explore how and why states both succeed and fail to negotiate international governance mechanisms. The course will also examine why some international environmental regimes are more effective than others and why states choose to comply with environmental regimes.

POLSCI348D - Global Environmental Politics

Subject: POLSCI  
Catalog Number: 348D  
Title: Global Environmental Politics

Description: This course examines the international community's responses to various global environmental problems. Because many environmental problems cross national borders, solutions require some form of global governance such as state-led mechanisms in the form of international environmental regimes. The course will thus explore how and why states both succeed and fail to negotiate international governance mechanisms. The course will also examine why some international environmental regimes are more effective than others and why states choose to comply with environmental regimes.

POLSCI349 - Political Economy of Latin America

Subject: POLSCI  
Catalog Number: 349  
Title: Political Economy of Latin America

Description: Study of interaction between politics and economies in Latin America with central emphasis on political correlates of alternative strategies of economic development, the impact of global economic forces on domestic policy choice, and interrelationships among political institutions, electoral choice, public policy, and economic performance. Topics include financial meltdowns, market-oriented reform, democratic transitions, ethnic mobilization, and rise of leftist-populism in the region. Readings will combine discussion of specific countries with broader theoretical literature addressing major debates in study of political economy of development.
### POLSCI350 - International Political Economy

**Subject**: POLSCI  
**Catalog Number**: 350  
**Title**: International Political Economy  

**Description**  
Examination of the politics of international economic relations from the perspective of both advanced industrialized and developing countries. Focus on international trade; money and finance; multinational corporations and global value chains; foreign aid and the politics of development; distributional consequences of economic globalization; and the role of power and institutions in the governance of world economy.

### POLSCI351 - Economic History and Modernization of the Islamic Middle East

**Subject**: POLSCI  
**Catalog Number**: 351  
**Title**: Economic History and Modernization of the Islamic Middle East  

**Description**  
Economic development of the Middle East from the rise of Islam to the present. Transformation of the region from an economically advanced area into part of the underdeveloped world. Role of religion in economic successes and failures. Obstacles to development today. Topics: Islamic economic institutions, economic roles of Islamic law, innovation and change, political economy of modernization, interactions with other regions, economic consequences of Islamism. Prerequisite: Economics 101 or 21 and 22 or instructor consent.

### POLSCI352S - U.S. Policy in the Middle East

**Subject**: POLSCI  
**Catalog Number**: 352S  
**Title**: U.S. Policy in the Middle East  

**Description**  
U.S. foreign policy: Middle East; Arab-Israeli-Palestinian conflict; oil and security; cold war; military cooperation and intervention; aid and democracy promotion; Iran, the Arab Spring; realism vs. liberalism in US foreign policy.

### POLSCI353 - Globalization of Democracy

**Subject**: POLSCI  
**Catalog Number**: 353  
**Title**: Globalization of Democracy  

**Description**  
The past three decades have witnessed an unprecedented upsurge in democratic forms of rule in Asia, Africa, Eastern Europe, Latin America, and Middle East. Course explores reasons for this global pattern of political change, analyzes the process of political transition in a variety of empirical settings, and provides comparative perspective on challenges facing political leaders in new democracies.

### POLSCI355S - Michel Foucault and Theories of Power

**Subject**: POLSCI  
**Catalog Number**: 355S  
**Title**: Michel Foucault and Theories of Power  

**Description**  
This seminar is aimed at understanding Michel Foucault's innovative theories of how political and social power functions and is organized. Foucault reoriented the understanding of power from a centralized, state-centered attribute to a series of practices distributed in different social institutions. We will approach his theoretical propositions through his writings on the history of the prison and the history of sexuality, along with his journalistic accounts of the revolutionary movement in Iran.

### POLSCI357S - Refugee Policy and Practice (DukeImmerse)

**Subject**: POLSCI  
**Catalog Number**: 357S  
**Title**: Refugee Policy and Practice (DukeImmerse)  

**Description**  
Uses current debates around refugee law and policy as the context in which to develop basic quantitative research design and analysis skills. Course may include data collection with resettled refugee locally and in Jordan and in Nepal. Only open to DukeImmerse students. Instructor consent required.
POLSCI358 - Globalization and Public Policy

**Subject**  
POLSCI

**Catalog Number**  
358

**Title**  
Globalization and Public Policy

**Description**  
How the various aspects of globalization effect and are affected by public policy at the international, national and local levels. Development of an analytic framework for thinking about globalization and its core concepts, major institutions and political dynamics; survey of a range of major policy areas affected by globalization; focus on a policy area of particular interest.

POLSCI359S - Social Engineering and Social Movements in Eastern Europe and Asia

**Subject**  
POLSCI

**Catalog Number**  
359S

**Title**  
Social Engineering and Social Movements in Eastern Europe and Asia

**Description**  
Combining perspectives of political sociology and history, this course questions the respective roles of state policies and social movements in transforming societies. Explores concepts such as social engineering, violence, revolution, totalitarianism, social movements, non-violent resistance, collective action and many others in historically-informed case studies of: colonialism/anticolonial movements (passive resistance and nationalism) in India; revolutionary communism, socialist reconstruction of society, everyday resistance and collective dissent in the Soviet Bloc; authoritarian capitalism and dissent in the form of environmentalist and anti-corruption movements in post-Maoist China.

POLSCI361 - Political and Criminal Armed Groups

**Subject**  
POLSCI

**Catalog Number**  
361

**Title**  
Political and Criminal Armed Groups

**Description**  
Course introduces students to a research agenda on armed groups that operate in the context of intra-state armed conflict or organized crime. Primary focus lies on how political and criminal armed groups interact with state agents and with civilian populations; how they recruit and maintain control over their members; how and why their internal institutions and their strategies of violence vary; and what the consequences of these patterns are. Also explore the role of the state, particularly when it comes to the effects of wartime repression, mass incarceration, and the war on drugs.

POLSCI362 - International Security

**Subject**  
POLSCI

**Catalog Number**  
362

**Title**  
International Security

**Description**  
The various causes, processes and impacts of international conflict in contemporary international affairs. Topics include: causes of war; factors that make international conflict more or less likely; domestic politics of international security; impacts of scientific and technological developments; ethical arguments and beliefs associated with the use of violence; contemporary and non-traditional security threats. No formal prerequisite, but Political Science 160 recommended.
**POLSCI364 - Political Violence, Repression, and Organized Crime**

**Subject**
POLSCI

**Catalog Number**
364

**Title**
Political Violence, Repression, and Organized Crime

**Description**
This course introduces students to a research agenda on intra-state armed conflict, repression, and organized crime. The primary focus lies on how political and criminal armed groups interact with state agents and with civilian populations; how they recruit and maintain control over their members; how and why their internal institutions and their strategies of violence vary; and what the consequences of these patterns are. The course also explores the role of the state, particularly when it comes to the effects of wartime repression, mass incarceration, and the war on drugs. Not open to students who have taken Political Science 361.

**POLSCI365D - Foreign Policy of the United States**

**Subject**
POLSCI

**Catalog Number**
365D

**Title**
Foreign Policy of the United States

**Description**
Internal and external sources of American Foreign Policy, including the role of ethnicity, nationality, and distinct world views of Americans and other peoples. The formulation and conduct of American foreign policy in different historical periods with an examination of foreign policy in the post-Cold War era and prospects for alternative futures. Instruction is provided in two lectures and one small discussion meeting each week.

**POLSCI367DS - Environment and Conflict: The Role of the Environment in Conflict and Peacebuilding**

**Subject**
POLSCI

**Catalog Number**
367DS

**Title**
Environment and Conflict: The Role of the Environment in Conflict and Peacebuilding

**Description**
Environmental and natural resources as a source of conflict and/or peacebuilding between and within nations and states. Analysis of the role of the environment in the conflict cycle and international security. Topics include refugees, climate change, water, and infectious disease. Particular focus on post-conflict and rebuilding in war-torn societies. Examination of the role of international organizations, non-governmental organizations, and emerging standards for environmental management. Examples drawn from conflicts such as Rwanda, Israel/Palestine, Nepal, Sierra Leone and others. Instructor consent required.

**POLSCI367S - Environment and Conflict: The Role of the Environment in Conflict and Peacebuilding**

**Subject**
POLSCI

**Catalog Number**
367S

**Title**
Environment and Conflict: The Role of the Environment in Conflict and Peacebuilding

**Description**
Environmental and natural resources as a source of conflict and/or peacebuilding between and within nations and states. Analysis of the role of the environment in the conflict cycle and international security. Topics include refugees, climate change, water, and infectious disease. Particular focus on post-conflict and rebuilding in war-torn societies. Examination of the role of international organizations, non-governmental organizations, and emerging standards for environmental management. Examples drawn from conflicts such as Rwanda, Israel/Palestine, Nepal, Sierra Leone and others. Instructor consent required.
POLSCI368S - Contemporary South Africa

Subject: POLSCI
Catalog Number: 368S
Title: Contemporary South Africa

Description:
Nelson Mandela's presidency in 1994 inaugurated democracy in South Africa. Using a historical lens, this course will explore the promises, possibilities, and disappointments of the democratic era. In what ways has the 1994 election slogan 'A better life for all' come to pass? Why and in what ways has the new political elite fallen short in delivering on its promises? How have segments of the public sought to impose accountability and restitution on new democratic governments, as well as on the long-standing titans of industry?

POLSCI371 - Marxism and Society

Subject: POLSCI
Catalog Number: 371
Title: Marxism and Society

Description:
Introduction to Marx's core concepts, such as alienation, commodity, and revolution. Includes examination of Marx's own major historical & political analyses, his economic texts, and his philosophical writings. Students also gain familiarity with the role of Marxist thought in different fields and disciplines, including feminist theory, anthropology, history, political science, and literary studies.

POLSCI372S - Sex, Politics and Feminist Philosophy

Subject: POLSCI
Catalog Number: 372S
Title: Sex, Politics and Feminist Philosophy

Description:
Provides a philosophical framework to think about issues of sex, gender and their political implications. Comparison between different historical traditions and methods. Study of a variety of feminist approaches and their critiques. Study of related questions, such as pornography, prostitution and multiculturalism. Readings include Mill, Beauvoir, Butler, Foucault and contemporary analytical philosophy.

POLSCI373 - Law and Politics

Subject: POLSCI
Catalog Number: 373
Title: Law and Politics

Description:
Examination of the nature and functions of law and legal institutions through critical interpretation of legal texts and practices. Relationships among bench, bar, legislators, and administrators in the development of public as well as private law. Attention to judicial reasoning used in the resolution of cases and controversies involving the common law, statutes including selected aspects of civil procedure, and the American Constitution.

POLSCI374S - Watchdog News and Storytelling: Changing Forms of Accountability Journalism

Subject: POLSCI
Catalog Number: 374S
Title: Watchdog News and Storytelling: Changing Forms of Accountability Journalism

Description:
Focus on evolving styles of explanatory reporting and investigative journalism. Practice fundamental research and writing techniques that journalists use to reveal complex issues and hold powerful institutions and people accountable. Identify sources, develop interviewing skills, and tap public records. Analyze stories that can serve as engaging models for your assignments, such as fact-checks, solutions-focused articles, and first-person accounts. Learn about editorial rules and writing conventions, including their ethical underpinnings and the role of objective methods. Talk with guest journalists about their experiences.

POLSCI375 - News as a Moral Battleground

Subject: POLSCI
Catalog Number: 375
Title: News as a Moral Battleground

Description:
Ethical inquiry into journalism and its effect on public discourse. Issues include accuracy, transparency, conflicts of interest and fairness. Topics include coverage of national security, government secrecy, plagiarism/fabrication, and trade-offs of anonymous sourcing.
POLSCI377AS - Classical and Contemporary Political Theory

Subject: POLSCI
Catalog Number: 377AS
Title: Classical and Contemporary Political Theory

Description:
Examines crucial debates in classical and contemporary political thought, especially question of individual freedom, from end of English Civil War to present day. Equips students with theoretical expertise to make persuasive arguments of their own. Not open to students who have taken Philosophy 207, Political Science 223, or Political Science 224. If you take this course you cannot get credit for Philosophy 207, Political Science 223, or Political Science 224. Open only to students in the Duke in Oxford program. Consent of instructor required.

POLSCI378 - Marx, Nietzsche, Freud

Subject: POLSCI
Catalog Number: 378
Title: Marx, Nietzsche, Freud

Description:
A critical examination and assessment of the thought of Marx, Nietzsche, and Freud: revolutionary theory and practice; nihilism and the challenge of overcoming it; the hidden foundations of the self and of culture.

POLSCI379S - Religion and Politics in Post-Revolutionary Iran

Subject: POLSCI
Catalog Number: 379S
Title: Religion and Politics in Post-Revolutionary Iran

Description:
The relationship between religion and politics; Islam and politics; Islamic political theology and ethics; stages of Shi'ite Islam and politics; Iran between two revolutions; political Islam; Khomeini's political thought; Iranian Constitution; tension between theocracy, secularism, and democracy; quasi-democracy and elections; expediency and secularization; civil and Islamic law; Muslim fundamentalists, traditionalists, and reformists; from competitive electoral to the non-competitive electoral authoritarian regime; women's rights; religious and ethnic minorities; foreign policy; revolutionary guards; Khomeini and Khamenei administrations; the future of Islamic republic of Iran.

POLSCI380 - Ancient Athenian Law

Subject: POLSCI
Catalog Number: 380
Title: Ancient Athenian Law

Description:
Introduction to ancient Athenian law. Read and discuss court speeches from real trials held 2000+ years ago. Topics range from homicide to commerce and banking, citizenship to assault, slavery to inheritance, religion to sexuality, political amnesty to judicial torture. Explore, through in-class discussion, theory and practice of law, aspects of social, economic, political, and cultural history visible through law in action, relationship between Athenian law and Athenian democracy.
<table>
<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>POLSCI</td>
<td>381</td>
<td>Ancient Roman Law</td>
</tr>
</tbody>
</table>

**Description**

Introduction to Roman law, from the Twelve Tables to the Code of Justinian. Students read Roman texts in translation, learn how to use legal texts as sources for Roman history and society, and make connections between Roman law and modern legal systems. No previous knowledge of Latin or Roman history is required.

<table>
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<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>POLSCI</td>
<td>382</td>
<td>Violent Jihad in the Twentieth Century - A Global History</td>
</tr>
</tbody>
</table>

**Description**

This course focuses on the history of Muslim groups and social movements which are often regarded as politically fundamentalists or radical in the twentieth-century Middle East. We shall critically survey the intellectual origins of radical ideologies, the social history of the ‘Muslim Brotherhood’ in Egypt and Syria, the politics of Saudi Arabia, the rise of Hizbullah, the question of the caliphate, the interaction between foreign intervention and the approval of violence as a legitimate means in politics, a history of al-Qaeda, and finally of what we know about ISIS.

<table>
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<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>POLSCI</td>
<td>383</td>
<td>Gender and Political Theory</td>
</tr>
</tbody>
</table>

**Description**

Feminist analyses of and engagements with some of the canonical texts and traditional concepts of Western political theory. Feminist contributions to, challenges to, and revisions of the terms of key conceptual and political debates in political theory.

<table>
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<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>POLSCI</td>
<td>384</td>
<td>Inequality in Western Political Thought</td>
</tr>
</tbody>
</table>

**Description**

Study of egalitarian and inegalitarian theories in the history of Western Political Thought. Distinction between forms of inequality (political, economic, social, racial, gender, etc.). Analysis of what kind of equality should be achieved (resources, opportunities, rights, respect, etc.). Connection of equality with other political and moral issues (freedom, responsibility, class conflict, well-being, poverty, exclusion, solidarity, difference, etc.) Readings include Aristotle, Machiavelli, Locke, Rousseau, Smith, Wollstonecraft, Tocqueville, Marx, Veblen, Du Bois, Friedman, Rawls, and Piketty.
POLSCI387 - Reimagining the World Together: Why Friendship Matters for Our Future

Subject: POLSCI  
Catalog Number: 387  
Title: Reimagining the World Together: Why Friendship Matters for Our Future

Description: Explores friendship and why it matters in the frenzied world of 'likes' and 'swipes.' The average Facebook user has 155 friends. Instagram added a 'Close Friends' feature to distinguish friends from followers. Social media has weakened our sense of friendship. Still, Facebook users say that, of those 155 friends, they would trust only four in a crisis. Pursues the importance of friendship, not only as a place of private refuge but as a relationship of trust that facilitates insight and innovation and that has public purchase. Classes center on conversations between pairs of friends who bring their friendship, their work, and their imaginations to bear on the shape of the world in the future.

POLSCI388 - Information, Technology, Ethics and Policy

Subject: POLSCI  
Catalog Number: 388  
Title: Information, Technology, Ethics and Policy

Description: The evolution of the Internet and other information technologies and the related policies and regulations that have emerged both internationally and nationally (in the United States). The tensions surrounding the access to information and the controversies about content, such as issues of free speech. Includes an Internet monitoring project designed to encourage in-depth analysis in order to place technology and technology policy in their historical evolution and context. Explores the contemporary political and social impacts of the Internet and other information technologies.

POLSCI390 - Special Topics in Political Science

Subject: POLSCI  
Catalog Number: 390  
Title: Special Topics in Political Science

Description: Special topics in political science.

POLSCI390-1 - Special Topics in Political Theory

Subject: POLSCI  
Catalog Number: 390-1  
Title: Special Topics in Political Theory

Description: Topics in Political Theory. Topics vary from semester to semester.

POLSCI390-2 - Special Topics in Political Institutions

Subject: POLSCI  
Catalog Number: 390-2  
Title: Special Topics in Political Institutions

Description: Special topics in political institutions. Topics vary semester by semester.

POLSCI390-3 - Special Topics in Security, Peace and Conflict

Subject: POLSCI  
Catalog Number: 390-3  
Title: Special Topics in Security, Peace and Conflict

Description: Special Topics in Security, Peace and Conflict. Topics vary from semester to semester.
<table>
<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>POLSCI</td>
<td>390-4</td>
<td>POLSCI390-4 - Special Topics in Political Behavior and Identities</td>
<td>Special topics in political behavior and identities. Topics vary from semester to semester.</td>
</tr>
<tr>
<td>POLSCI</td>
<td>390-5</td>
<td>POLSCI390-5 - Special Topics in Political Methodology</td>
<td>Special topics in political methodology. Topics vary from semester to semester.</td>
</tr>
<tr>
<td>POLSCI</td>
<td>390-6</td>
<td>POLSCI390-6 - Special Topics in Political Economy</td>
<td>Special topics in political economy. Topics vary from semester to semester.</td>
</tr>
<tr>
<td>POLSCI</td>
<td>390D-6</td>
<td>POLSCI390D-6 - Special Topics in Political Economy</td>
<td>Special topics in political economy. Topics vary from semester to semester.</td>
</tr>
<tr>
<td>POLSCI</td>
<td>390S-1</td>
<td>POLSCI390S-1 - Special Topics in Political Theory</td>
<td>Special Topics in Political Theory. Same as Political Science 390-1 except in seminar format.</td>
</tr>
<tr>
<td>POLSCI</td>
<td>390S-2</td>
<td>POLSCI390S-2 - Special Topics in Political Institutions</td>
<td>Special Topics in Political Institutions. Same as Political Science 390-2 except in seminar format.</td>
</tr>
<tr>
<td>POLSCI</td>
<td>390S-3</td>
<td>POLSCI390S-3 - Special Topics in Security, Peace and Conflict</td>
<td>Special Topics in Security, Peace and Conflict. Same as Political Science 390-3 except in seminar format.</td>
</tr>
<tr>
<td>POLSCI</td>
<td>390S-4</td>
<td>POLSCI390S-4 - Special Topics in Political Behavior and Identities</td>
<td>Special Topics in Political Behavior and Identities. Same as Political Science 390-4 except in seminar format.</td>
</tr>
</tbody>
</table>
### POLSCI390S-5 - Special Topics in Political Methodology

<table>
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<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>POLSCI</td>
<td>390S-5</td>
<td>Special Topics in Political Methodology</td>
</tr>
</tbody>
</table>

**Description**
Special topics in political methodology. Same as Political Science 390-5 except in seminar format.

### POLSCI390S-6 - Special Topics in Political Economy

<table>
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<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>POLSCI</td>
<td>390S-6</td>
<td>Special Topics in Political Economy</td>
</tr>
</tbody>
</table>

**Description**
Special topics in political economy. Same as Political Science 390-6 except in seminar format.

### POLSCI391-1 - Senior Independent Study in Political Theory

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<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>POLSCI</td>
<td>391-1</td>
<td>Senior Independent Study in Political Theory</td>
</tr>
</tbody>
</table>

**Description**
Individual non-research directed study in a field of special interest under faculty member supervision. Offered only in areas of study not otherwise provided in department course offerings and with the direct approval and sponsorship of a faculty member. Will not generally be offered unless student has first established an extensive record of work with the faculty member. Written permission of faculty member and detailed description of course of directed study required before contacting the Director of Undergraduate Studies for permission number. Fulfills a political theory course requirement.

### POLSCI391-2 - Senior Independent Study in Political Institutions

<table>
<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>POLSCI</td>
<td>391-2</td>
<td>Senior Independent Study in Political Institutions</td>
</tr>
</tbody>
</table>

**Description**
Same as Political Science 391-1 except fulfills a political institutions course requirement.

### POLSCI391-3 - Senior Independent Study in Security, Peace and Conflict

<table>
<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>POLSCI</td>
<td>391-3</td>
<td>Senior Independent Study in Security, Peace and Conflict</td>
</tr>
</tbody>
</table>

**Description**
Same as Political Science 391-1 except fulfills a security, peace and conflict course requirement.

### POLSCI391-4 - Senior Independent Study in Political Behavior and Identities

<table>
<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>POLSCI</td>
<td>391-4</td>
<td>Senior Independent Study in Political Behavior and Identities</td>
</tr>
</tbody>
</table>

**Description**
Same as Political Science 391-1 except fulfills a political behavior and identities course requirement.
### POLSCI391-5 - Senior Independent Study in Political Methodology
**Subject**: POLSCI  
**Catalog Number**: 391-5  
**Title**: Senior Independent Study in Political Methodology  
**Description**: Same as Political Science 391-1 except fulfills a political methodology course requirement.

### POLSCI391-6 - Senior Independent Study in Political Economy
**Subject**: POLSCI  
**Catalog Number**: 391-6  
**Title**: Senior Independent Study in Political Economy  
**Description**: Same as Political Science 391-1 except fulfills a political economy course requirement.

### POLSCI393-1 - Sophomore/Junior Research Independent Study Political Theory
**Subject**: POLSCI  
**Catalog Number**: 393-1  
**Title**: Sophomore/Junior Research Independent Study Political Theory  
**Description**: Individual directed research under the supervision of a faculty member. Central goal is substantive research paper or report containing significant analysis and interpretation of a previously approved topic. Offered only in areas of study not otherwise provided in department course offerings and with the direct approval and sponsorship of a faculty member. Will not generally be offered unless student has first established an extensive record of work with the faculty member. Written permission of faculty member and detailed description of course of directed study required before contacting the DUS for permission number. Fulfills a political theory course requirement.

### POLSCI393-2 - Sophomore/Junior Research Independent Study Political Institutions
**Subject**: POLSCI  
**Catalog Number**: 393-2  
**Title**: Sophomore/Junior Research Independent Study Political Institutions  
**Description**: Same as Political Science 393-1 except fulfills a political institutions course requirement.

### POLSCI393-3 - Sophomore/Junior Research Independent Study Security Peace and Conflict
**Subject**: POLSCI  
**Catalog Number**: 393-3  
**Title**: Sophomore/Junior Research Independent Study Security Peace and Conflict  
**Description**: Same as Political Science 393-1 except fulfills a security, peace, and conflict course requirement.

### POLSCI393-4 - Sophomore/Junior Research Independent Study Political Behavior and Identities
**Subject**: POLSCI  
**Catalog Number**: 393-4  
**Title**: Sophomore/Junior Research Independent Study Political Behavior and Identities  
**Description**: Same as Political Science 393-1 except fulfills a political behavior and identities course requirement.
**POLSCI393-5 - Sophomore/Junior Research Independent Study Political Methodology**

**Subject**: POLSCI  
**Catalog Number**: 393-5  
**Title**: Sophomore/Junior Research Independent Study Political Methodology  

**Description**: Same as Political Science 393-1 except fulfills a political methodology course requirement.

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**POLSCI393-6 - Sophomore/Junior Research Independent Study Political Economy**

**Subject**: POLSCI  
**Catalog Number**: 393-6  
**Title**: Sophomore/Junior Research Independent Study Political Economy  

**Description**: Same as Political Science 393-1 except fulfills a political economy course requirement.

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**POLSCI395A - Religion, Security and Global Citizenship in the Arab World**

**Subject**: POLSCI  
**Catalog Number**: 395A  
**Title**: Religion, Security and Global Citizenship in the Arab World  

**Description**: Examine how the Arab world is embodied in the global or world system of the 21st century. Learn the specific accents that inform its citizens and shape its prospects locally, regionally and internationally. Examine how the major Abrahamic traditions - Judaism, Christianity and Islam - had their historical origins in the eastern Mediterranean world, and how they continue to have adherents that populate the region and challenge the modern notion of citizenship. Explore how the current uprising reflects the challenges of reconciling local aspirations with global forces. STUDY ABROAD: Duke in the Arab World Summer 2012

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**POLSCI396S - Augustine’s City of God**

**Subject**: POLSCI  
**Catalog Number**: 396S  
**Title**: Augustine’s City of God  

**Description**: Study of the literary form and argument of Augustine’s epoch-making City of God: a rhetorical tour de force of consummate artistry and stunning originality and scope; and a political, religious, and moral critique of ancient Rome within a comparative, cross-cultural analytical framework that vindicates an alternative vision of society rooted in the Christian scriptures. City of God provides a remarkable example of sophisticated literary construction, rhetorical prowess, cross-cultural examination, and moral reflection. We focus on these four facets of a celebrated synthesis that breaks new ground in historiography, political science, and moral theory.

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**POLSCI401S - The Adventure of Citizenship: Lives of Civic Engagement**

**Subject**: POLSCI  
**Catalog Number**: 401S  
**Title**: The Adventure of Citizenship: Lives of Civic Engagement  

**Description**: What does it mean to be a citizen and live a civic life? In this course students will integrate academic content with their own community based experiences to understand and critique their understandings of civic engagement and social change. Students will reflect on their Duke experience and begin to chart their post Duke futures. They will gain knowledge of the historical context of democratic citizenship, understanding of the relationship between theory and practice, and familiarity with the contestations of civic engagement that emerge from considerations of race, class, and gender. Students will undertake independent projects to study those who have lived civic lives.

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**POLSCI402S - Origins of WWI and WWII in Europe**

**Subject**: POLSCI  
**Catalog Number**: 402S  
**Title**: Origins of WWI and WWII in Europe  

**Description**: Seminar will examine major scholarly works from History and Political Science that address the same question, namely, how can we explain the origins of World War I and World War II in Europe? Consider how these two disciplines explain why the Cold War did not escalate to full-blown war. Will provide students with an opportunity to undertake a significant research project, with opportunities to use one or another of the two disciplines or to undertake some form of integration across the two fields.
### POLSCI406S - South African Life Histories

**Subject**: POLSCI  
**Catalog Number**: 406S  
**Title**: South African Life Histories

**Description**
South Africa presented the world with one of the great moral challenges of the 20th century. We will explore its history through the lens of biography and autobiography. The country underwent major transformations – rapid industrialization, segregation, the rise and fall of apartheid, and the emergence of democracy. How did individuals experience these social changes? In what ways do individual lives illuminate these larger social processes? Protagonists include a prophetess, political artists and writers, exiles, and celebrated figures. Topics cover how segregation and apartheid affected people’s daily lives, opposition to white supremacy, and the personal impact of the AIDS's epidemic.

### POLSCI415 - U.S-Russia Relations: 1991-2016

**Subject**: POLSCI  
**Catalog Number**: 415  
**Title**: U.S-Russia Relations: 1991-2016

**Description**
A survey of relations of United States with Russian Federation since break-up of the Soviet Union. Examines government policies, agreements and disagreements in foreign policy, internal political and economic developments in both countries, and also public opinion, cultural relations, and role of mass media. Lectures, readings (including source documents), and final research paper.

### POLSCI421S - Constitutionalism and Crisis: From Catalina's Conspiracy to Covid

**Subject**: POLSCI  
**Catalog Number**: 421S  
**Title**: Constitutionalism and Crisis: From Catalina's Conspiracy to Covid

**Description**
Explores the relationship between constitutionalism and crisis, focusing on how crises shape constitution-making, how constitutional democracies operate during times of crisis, and how constitutional practice is shaped by crises.

### POLSCI425 - Global Inequality Research

**Subject**: POLSCI  
**Catalog Number**: 425  
**Title**: Global Inequality Research

**Description**
Engagement of vertically integrated research teams in projects exploring racial and ethnic disparities exhibited and expressed in six arenas: employment, wealth, health, political participation, education, and arts and culture. Each team will produce a major paper that will qualify for submission to a refereed journal in the area relevant to the focus of the study. Course is not open to students who have taken Public Policy 645 or 645S.

### POLSCI425S - Global Inequality Research Seminar

**Subject**: POLSCI  
**Catalog Number**: 425S  
**Title**: Global Inequality Research Seminar

**Description**
Engagement of vertically integrated research teams in projects exploring racial and ethnic disparities exhibited and expressed in six arenas: employment, wealth, health, political participation, education, and arts and culture. Each team will produce a major paper that will qualify for submission to a refereed journal in the area relevant to the focus of the study. Course is not open to students who have taken Public Policy 645S.

### POLSCI427S - World in Your Hand

**Subject**: POLSCI  
**Catalog Number**: 427S  
**Title**: World in Your Hand

**Description**
Your chance to hold the (simulated) world in your hand. First half of class provides background and tools needed to create computational, simulation models of political, social, and economic phenomena. Second half provides practical experience with class-chosen group computational modeling project(s) that will be submitted for publication. No prior computer programming experience required or expected, and skills gained in class will translate beyond academia.
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<tr>
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<th>Description</th>
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<tbody>
<tr>
<td>POLSCI</td>
<td>428S</td>
<td>International Conflict Resolution</td>
<td>The origins of armed conflicts and the means to resolve them, with special attention to strategic interaction, international law and third-party conflict managers. Historical and contemporary case studies used to illustrate theories of the onset and termination of violence in both interstate and intrastate conflicts. Writing developed in a multi-part assessment of an ongoing conflict that include simulation of a peace process.</td>
</tr>
<tr>
<td>POLSCI</td>
<td>431S</td>
<td>Reason and Passion in Politics</td>
<td>Explores the nature of mass politics in democracies through the distinction between reason and passion and the idea that a well-functioning democracy requires the triumph of cold deliberation over emotion and intuition. Discussion of classic texts on reason and passion from philosophy, politics, and psychology; dual-process models of political judgment and decision making; political belief updating and persistent disagreement over facts; moral psychology and political ideology; emotions and collective action.</td>
</tr>
<tr>
<td>POLSCI</td>
<td>435S</td>
<td>Chinese Media and Popular Culture: Politics, Ideology, and Social Change</td>
<td>Examines contemporary Chinese media traditional news press, radio and TV, new media such as the internet and social media, and popular culture, including cinema, popular music and fashions. Uses cross-cultural, interdisciplinary, and comparative approach. Focuses on how China views itself and constructs its global images, and how the world views China through media and popular culture. Primary objective is to understand political, ideological, and social changes since the Reform Era that began in 1978. No foreign language prerequisites are required.</td>
</tr>
<tr>
<td>POLSCI</td>
<td>441S</td>
<td>What is Racism? Understanding racism and its consequences</td>
<td>This seminar course explores the way in which racism is defined by academics across disciplines, practitioners, politicians, and the public over time and place. It considers racism as a system of inequalities, as a psychological predisposition, as a legitimizing myth, and more. It considers how and why racism has been defined in different circumstances. The class also digs deep into social science research on the consequences of racism for both dominant and marginalized groups in societies, and particularly in the United States over time.</td>
</tr>
</tbody>
</table>
# POLSCI445S - Capstone Seminar: Russia-USSR-Russia: History of Communism

**Subject**  
POLSCI

**Catalog Number**  
445S

**Title**  
Capstone Seminar: Russia-USSR-Russia: History of Communism

**Description**  
The seminar offers an in-depth engagement with Russian modern history. Starting in the late 19th century, the seminar examines the formation of the Russian Communist movement and communist regime as national and transnational phenomena of the 20th Century. A comparative perspective allows students to analyze Russian appropriations of Marxist theory, the Russian Revolution, the making of the Stalinist state, de-Stalinization of the post-WWII period in the context of European and US labor movements and socialist experimentations, on the one hand, and anti-Communist sentiments and Cold War politics, on the other, while engaging with ethical issues raised by conflicting perspectives on the value and meaning of freedom and happiness and the means of achieving it.

# POLSCI449S - Politics, Philosophy, and Economics Capstone

**Subject**  
POLSCI

**Catalog Number**  
449S

**Title**  
Politics, Philosophy, and Economics Capstone

**Description**  
Capstone course open only to students in the Politics, Philosophy, and Economics program. Integrates and synthesizes the analytical framework and factual studies provided in other PPE courses. Consent of instructor required.

# POLSCI456S - Chinese Culture and Ideology in the 20th Century and Now

**Subject**  
POLSCI

**Catalog Number**  
456S

**Title**  
Chinese Culture and Ideology in the 20th Century and Now

**Description**  
Exposes students to cultural and literary expressions and representations of modern China from the beginning of the 20th century to the present; focus on issues of politics and ideology and the formation of Chinese exceptionalism; the beginning of the 20th century (1900-1949) and the Mao era (1949-1976); contemporary China since the era of reform and opening up (1978-present); comparative, interdisciplinary approaches of intellectual and cultural history, literary and cultural studies, and political science.

# POLSCI460SA - Politics and Policy Practicum for Duke in DC

**Subject**  
POLSCI

**Catalog Number**  
460SA

**Title**  
Politics and Policy Practicum for Duke in DC

**Description**  
In this course, students develop policy expertise and professional skills relating to their Washington internship. In their final paper, students analyze a policy issue they have encountered in their internship and develop and evaluate alternative approaches to the issues. The course also provides students with skills that enhance their internship experience and prepare them for future research and policy work. The skill-building components may include: analyzing sources of information, interviewing for research and for policy analysis, doing sensitivity analysis, providing constructive criticism, and briefing expert and non-expert audiences.
POLSCI468S - Wealth and Poverty of Nations: Prosperity and Distribution in the Long Run

Description
Overview of the different explanations for the economic development of nations in the long run and the differential patterns of distribution within them. Approach is global (what explains the dynamics of global inequality, the contrast between the developed and the developing world), historical (long-term structural constraints and early institutional choices and their legacies), and analytical (theoretical identification of the mechanisms driving the wealth and poverty of nations, and the methodological strategies to approach them empirically).

POLSCI483 - What Machiavelli Really Says

Description
Everyone knows what 'Machiavellian' means, but what does Machiavelli really say? Reading his classical political texts, 'The Prince,' the 'Discourses on Livy,' and 'The Art of War' in the company of his literary works, including 'Mandragola,' we will examine how Machiavelli's ideas about power, deception, language, ethics, and representation emerged from his reading of Plato, Livy, Ovid, and Dante, while also exploring the reception and consequences of his ideas. Just as Machiavelli searched history for answers to his own political situation, our guiding question cannot help but be 'What would Machiavelli do?'

POLSCI490S - Special Topics in Political Science

Description
Special topics in political science.

POLSCI493-1 - Senior Research Independent Study Political Theory

Description
Individual directed research under the supervision of a faculty member. The central goal is a substantive research paper or report containing significant analysis and interpretation of a previously approved topic. Offered only in areas of study not otherwise provided in department course offerings and with the direct approval and sponsorship of a faculty member. Will not generally be offered unless student has first established an extensive record of work with the faculty member. Written permission of faculty member and detailed description of research project required before contacting the DUS for permission number. Fulfills a political theory course requirement.
<table>
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<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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<tbody>
<tr>
<td>POLSCI493-2</td>
<td>493-2</td>
<td>Senior Research Independent Study Political Institutions</td>
</tr>
<tr>
<td>Description</td>
<td></td>
<td>Same as Political Science 493-1 except fulfills a political institutions course requirement.</td>
</tr>
<tr>
<td>POLSCI493-3</td>
<td>493-3</td>
<td>Senior Research Independent Study in Security, Peace and Conflict</td>
</tr>
<tr>
<td>Description</td>
<td></td>
<td>Same as Political Science 493-1 except fulfills a security, peace, and conflict course requirement.</td>
</tr>
<tr>
<td>POLSCI493-4</td>
<td>493-4</td>
<td>Senior Research Independent Study in Political Behavior and Identities</td>
</tr>
<tr>
<td>Description</td>
<td></td>
<td>Same as Political Science 493-1 except fulfills a behavior and identities course requirement.</td>
</tr>
<tr>
<td>POLSCI493-5</td>
<td>493-5</td>
<td>Senior Research Independent Study in Political Methodology</td>
</tr>
<tr>
<td>Description</td>
<td></td>
<td>Same as Political Science 493-1 except fulfills a political methodology course requirement.</td>
</tr>
<tr>
<td>POLSCI493-6</td>
<td>493-6</td>
<td>Senior Research Independent Study in Political Methodology</td>
</tr>
<tr>
<td>Description</td>
<td></td>
<td>Same as Political Science 493-1 except fulfills a political economy course requirement.</td>
</tr>
<tr>
<td>POLSCI494A</td>
<td>494A</td>
<td>Politics and Policy Practicum for Duke in DC</td>
</tr>
<tr>
<td>Description</td>
<td></td>
<td>In this course, students develop policy expertise and professional skills relating to their Washington internship. In their final paper, students analyze a policy issue they have encountered in their internship and develop and evaluate alternative approaches to the issues. The course also provides students with skills that enhance their internship experience and that prepare them for future research and policy work. The skill-building components may include: analyzing sources of information, interviewing for research and for policy analysis, doing sensitivity analysis, providing constructive criticism, and briefing expert and non-expert audiences.</td>
</tr>
</tbody>
</table>
## POLSCI495S - Honors Seminar

<table>
<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>POLSCI</td>
<td>495S</td>
<td>Honors Seminar</td>
</tr>
</tbody>
</table>

**Description**

Course is open to junior political science majors who intend to write an honors thesis during their senior year. Purpose of course is to develop a thesis project, and to prepare students to conduct independent research under the direction of a faculty advisor. Students will acquire skills required to formulate a research question, develop a research design, conduct literature reviews, and gather appropriate data. Major component of class will be to practice these skills through weekly written assignments, and completion of a research proposal for honors thesis project. Course will not fulfill capstone requirement for political science major. Instructor consent required.

## POLSCI497S - Capstone Seminar: Latin American Left Turns: A New Politics for the 21st Century?

<table>
<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>POLSCI</td>
<td>497S</td>
<td>Capstone Seminar: Latin American Left Turns: A New Politics for the 21st Century?</td>
</tr>
</tbody>
</table>

**Description**

Examination of issues surrounding the upsurge of leftist governments elected by the popular vote in the wake of the perceived failures of neoliberalism and the Washington consensus of 1989. Looks at ways Washington has had to come to terms with an unexpected revival on the left that threatens U.S. hegemony while offering an alternative path to achieve national development, distribution of wealth, and recognition of diversity and pluralism. Students will examine these issues from multiple viewpoints and develop projects based on choosing specific research foci within the general enterprise of what these governments share in common and how they differ.

## POLSCI497S-6 - Senior Seminar in Political Economy

<table>
<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>POLSCI</td>
<td>497S-6</td>
<td>Senior Seminar in Political Economy</td>
</tr>
</tbody>
</table>

**Description**

Special topics in political economy; open also, if places are available, to qualified juniors who have earned a 3.0 average and obtain the consent of the instructor.

## POLSCI89S - First-Year Seminar

<table>
<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>POLSCI</td>
<td>89S</td>
<td>First-Year Seminar</td>
</tr>
</tbody>
</table>

**Description**

Topics vary each semester offered.

## POLSCI90S - Special Topics in Political Science

<table>
<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>POLSCI</td>
<td>90S</td>
<td>Special Topics in Political Science</td>
</tr>
</tbody>
</table>

**Description**

Topics vary each semester offered.

## PORTUGUE101 - Elementary Portuguese I

<table>
<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>PORTUGUE</td>
<td>101</td>
<td>Elementary Portuguese I</td>
</tr>
</tbody>
</table>

**Description**

Course is geared towards communicative skills and is designed for students to complete it with a basic level of proficiency in listening, speaking, reading, and writing. The course focuses on conversation, grammar acquisition, and cultural issues raised in lessons, films, videos, articles, readings, and music. Meets four times a week.
PORTUGUE102 - Elementary Portuguese II

Subject: PORTUGUE  
Catalog Number: 102  
Title: Elementary Portuguese II

Description: Builds on the elements of language acquired in Elementary Portuguese 101; enrollment in Portuguese 102 presupposes acquisition of the contents covered in Portuguese 101. Speaking, reading, and writing skills emphasized; exposure to some aspects of Portuguese-speaking cultures an important component. Conducted entirely in Portuguese, using a communicative approach. Four class meetings a week. Prerequisite: Portuguese 101 or consent of instructor.

PORTUGUE112 - Accelerated Elementary Portuguese

Subject: PORTUGUE  
Catalog Number: 112  
Title: Accelerated Elementary Portuguese

Description: Designed for highly motivated undergraduate and graduate students as well as fluent speakers of another Romance language, this course covers much of the elementary language sequence (Portuguese 101-102). Most grammar and textbook work is done outside of class, freeing class time for more communicative activities. Conversation sessions provide intensive work on grammar focused through discussion on issues raised in films, news media, reading, music. It is expected that students who take this course will be able to place directly into Portuguese 203; however, placement into Portuguese 102 may be recommended in some cases. Meets four times a week.

PORTUGUE203 - Intermediate Portuguese

Subject: PORTUGUE  
Catalog Number: 203  
Title: Intermediate Portuguese

Description: Intensive language review of reading, writing, and oral practice, with increased attention to grammatical variety and accuracy. Cultural component emphasized through short readings, videos, music. Recommended prerequisite: Portuguese 102 or 112.

PORTUGUE203A - Intensive Brazilian Portuguese

Subject: PORTUGUE  
Catalog Number: 203A  
Title: Intensive Brazilian Portuguese

Description: Four week immersion course in Portuguese language and Brazilian culture, offered only in Duke in Brazil. Elementary language pre-requisite required. Covers intermediate language curriculum, developing aural comprehension, speaking, reading and writing skills. Provides grammar practice and development of effective strategies for oral communication in conjunction with intensive cultural program activities. Includes strong civics, social, cultural, and environmental components geared to NGOs that engage with these issues. Classes meet five days per week for four hours with additional required extracurricular activities. Instructor consent required.

PORTUGUE204 - Advanced Intermediate Portuguese

Subject: PORTUGUE  
Catalog Number: 204  
Title: Advanced Intermediate Portuguese

Description: An advanced grammar review complemented by oral practice, composition, videos, and selected literary readings. Guided essay writing on topics related to the readings and videos. Second part of an intermediate sequence; suggested as preparation for 300-level courses. Prerequisites: Portuguese 203 or consent of instructor.

PORTUGUE260 - Afro-Brazilian Culture and History

Subject: PORTUGUE  
Catalog Number: 260  
Title: Afro-Brazilian Culture and History

Description: Slavery and the post-emancipation trajectory of Afro-Brazilians in a racist society that officially proclaims itself a 'racial democracy.' Comparisons drawn with the Afro-American experience elsewhere in Latin America and the United States.
PORTUGUE290S - Topics in Lusophone Literature and Culture

Subject: PORTUGUE  
Catalog Number: 290S  
Title: Topics in Lusophone Literature and Culture

Description:
Seminar exploring topics of cultural formation in the Portuguese-speaking world that emphasize autochthonous cultural theory. Topics include slavery, urban development, sexuality, social activism, and cultural production. Taught in English.

PORTUGUE301S - Advanced Colloquial Portuguese

Subject: PORTUGUE  
Catalog Number: 301S  
Title: Advanced Colloquial Portuguese

Description:
Study of colloquial Portuguese as a catalyst of popular culture; sayings, expressions, and proverbs. Emphasis on oral communication. We will do an examination of the factors that have had a cultural impact in the Portuguese language involving religion, gender, politics, or ethnicity. We will study such things as everyday talk; literacy and identity; stories, legends; comedy, poetry, music, advertisements, the influence of English in the Portuguese language; the machismo in the everyday vocabulary. How these linguistic/cultural phenomena both represent and complicate our notions of cultural norms in the learning of the Portuguese language.

PORTUGUE301SA - Advanced Colloquial Portuguese

Subject: PORTUGUE  
Catalog Number: 301SA  
Title: Advanced Colloquial Portuguese

Description:
Study of colloquial Portuguese as a catalyst of popular culture; sayings, expressions, and proverbs. Emphasis on oral communication. We will do an examination of the factors that have had a cultural impact in the Portuguese language involving religion, gender, politics, or ethnicity. We will study such things as everyday talk; literacy and identity; stories, legends; comedy, poetry, music, advertisements, the influence of English in the Portuguese language; the machismo in the everyday vocabulary. How these linguistic/cultural phenomena both represent and complicate our notions of cultural norms in the learning of the Portuguese language. Taught at Duke in Brazil.

PORTUGUE327S - Introduction to Portuguese Culture

Subject: PORTUGUE  
Catalog Number: 327S  
Title: Introduction to Portuguese Culture

Description:
An introduction to Portuguese culture through the cross-cultural analysis of Brazilian or Global Portuguese history, literature, cinema and arts.
<table>
<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>PORTUGUE</td>
<td>338SP</td>
<td>Brazil and Lusophone Africa Preceptorial</td>
</tr>
<tr>
<td>Description</td>
<td></td>
<td>A preceptorial, in Portuguese, requiring concurrent enrollment in Romance Studies 338S. Further information available from instructor.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>PORTUGUE</td>
<td>341S</td>
<td>Perspectives on the Amazon</td>
</tr>
<tr>
<td>Description</td>
<td></td>
<td>The Amazon has been a source of awe to outsiders at least since the first Europeans navigated the Amazon River in 1542. While early explorers searched the forest for a mythic city of gold, contemporary travelers, scientists, and concerned citizens look to the Amazon as the key to our endangered future. Focusing on a variety of textual and visual representations, we will deal with major themes in the history of the Amazon and consider the ways in which this vast and widely depicted region eludes representation, holding entirely different and contending meanings to distinct socio-cultural groups. Our sources include works by indigenous thinkers and cultural producers.</td>
</tr>
</tbody>
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<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>PORTUGUE</td>
<td>341SP</td>
<td>Perspectives on the Amazon Preceptorial</td>
</tr>
<tr>
<td>Description</td>
<td></td>
<td>A preceptorial, in Portuguese, requiring concurrent enrollment in Romance Studies 341S or Portuguese 341S. Further information available from instructor.</td>
</tr>
</tbody>
</table>

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<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>PORTUGUE</td>
<td>382</td>
<td>Race, Class, and Family in Contemporary Literature: Journeys, Generations, and Translations</td>
</tr>
<tr>
<td>Description</td>
<td></td>
<td>An opportunity to study with the Somali-Italian author Igiaba Scego, this English-language course explores representations of race, class &amp; families in contemporary fiction. The course has three parts: 1) Analysis of Scego's work, which is crucial to debates on migration, decolonization, racism, feminism &amp; translation; 2) read Italian and Brazilian authors to examine the intersection of color and class that cross Italy &amp; Brazil from the colonial period to today, including the journeys and interactions between parents, siblings; 3) discussion of Scego's just-translated 'The Color Line,' which moves between the U.S., Italy, and Somalia, &amp; final projects.</td>
</tr>
<tr>
<td>Subject</td>
<td>Catalog Number</td>
<td>Title</td>
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</tr>
<tr>
<td>PORTUGUE390S - Topics in Lusophone Literature and Culture</td>
<td>390S</td>
<td>Topics in Lusophone Literature and Culture</td>
</tr>
<tr>
<td>PORTUGUE393 - Research Independent Study</td>
<td>393</td>
<td>Research Independent Study</td>
</tr>
<tr>
<td>PORTUGUE394 - Research Independent Study</td>
<td>394</td>
<td>Research Independent Study</td>
</tr>
<tr>
<td>PORTUGUE490 - Topics in Lusophone Literature and Culture</td>
<td>490</td>
<td>Topics in Lusophone Literature and Culture</td>
</tr>
<tr>
<td>PORTUGUE490S - Topics in Lusophone Literature and Culture</td>
<td>490S</td>
<td>Topics in Lusophone Literature and Culture</td>
</tr>
<tr>
<td>PORTUGUE493 - Research Independent Study</td>
<td>493</td>
<td>Research Independent Study</td>
</tr>
<tr>
<td>Subject</td>
<td>Catalog Number</td>
<td>Title</td>
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<tr>
<td>PORTUGUE</td>
<td>494</td>
<td>Research Independent Study</td>
</tr>
<tr>
<td>PORTUGUE</td>
<td>89S</td>
<td>First Year Seminar in Portuguese</td>
</tr>
<tr>
<td>PSY</td>
<td>101</td>
<td>Introductory Psychology</td>
</tr>
<tr>
<td>PSY</td>
<td>102</td>
<td>Cognitive Psychology: Introduction and Survey</td>
</tr>
<tr>
<td>PSY</td>
<td>102D</td>
<td>Cognitive Psychology: Introduction and Survey</td>
</tr>
<tr>
<td>PSY</td>
<td>103</td>
<td>Developmental Psychology: Introduction and Survey</td>
</tr>
</tbody>
</table>
PSY103D - Developmental Psychology: Introduction and Survey

Subject: PSY  
Catalog Number: 103D  
Title: Developmental Psychology: Introduction and Survey

Description
Overview of the cognitive, social, and emotional changes that occur throughout the lifespan, with emphasis on the period from infancy to adolescence. Examines both the empirical evidence (data collection and analysis) and the theoretical models (constructs using inductive-deductive reasoning) used in understanding human psychological development. Required participation in psychological research.  
Prerequisite: Psychology 101 strongly recommended.

PSY104 - Social Psychology

Subject: PSY  
Catalog Number: 104  
Title: Social Psychology

Description
Effects of social interaction and social processes on a wide range of individual attitudes and behaviors (for example, conformity, leadership, prejudice, aggression, altruism). Emphasis on the logic, reasoning, research designs, and methods by which knowledge is generated. Equal attention to experimental and non-experimental research. Students are required to participate in psychological research. Prerequisite: Psychology 101 strongly recommended.

PSY105D - Clinical Psychology and Mental Health

Subject: PSY  
Catalog Number: 105D  
Title: Clinical Psychology and Mental Health

Description
This course provides a broad overview of clinical psychology and mental health. Areas of focus include: Reviewing different theoretical perspectives for conceptualizing adaptive and maladaptive behaviors, emotions, cognitions, and experiences; Approaches to the diagnosis and assessment of mental health and psychopathology; Major classes of psychopathology including how they are defined and treated; Current research in the field of clinical psychology and mental health. There is a research participation requirement for this course.

PSY106D - Biological Bases of Behavior: Introduction and Survey

Subject: PSY  
Catalog Number: 106D  
Title: Biological Bases of Behavior: Introduction and Survey

Description
An introduction to the methods, models, and reasoning that have led to discoveries about brain-behavior relations, and a critical evaluation of the current theories that guide our thinking about the neurobiology, development and evolution of sensory and cognitive processes, sleep, pain, emotion, hunger, and thirst as well as maternal and sexual behavior patterns. Recommended background: AP Biology or strong Biology background. Psychology 101 recommended for Psychology majors.
<table>
<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSY107</td>
<td>107</td>
<td>Biological Bases of Behavior (Team-Based Learning)</td>
<td>Introduction to neuroscience that explores methods, models, and reasoning that led to discoveries about brain-behavior relations. Students learn and apply concepts in neuroanatomy, neurophysiology, synaptic transmission, the somatic sensorimotor system, vision, emotions, attention &amp; consciousness, memory &amp; learning, sexual differentiation &amp; orientation, and psychopathology. In-class experiences organized around principles of team-based learning, with students collaborating in small teams for readiness assessments and team applications. Course fulfills gateway requirement for Neuroscience major. First years are welcome.</td>
</tr>
<tr>
<td>PSY11</td>
<td>11</td>
<td>Introductory Psychology</td>
<td>Credit awarded on the basis of national/international examinations in psychology such as College Board and International Baccalaureate.</td>
</tr>
<tr>
<td>PSY113L</td>
<td>113L</td>
<td>Computing and the Brain</td>
<td>Introductory programming based on problems in neuroscience. Provides foundational skills for using computers to collect and analyze neuroscience data. Study of how computational processes are implemented by information-processing entities: both brains and computers. Python programming to generate sensory stimuli and collect/analyze behavioral and neural data. Scientific and Software Engineering best practices for conducting and verifying neuroscience experiments. Not open to students who have taken Computer Science 101. Prerequisite: Neuroscience 101/Psychology 106 or Neuroscience 102/Psychology 107.</td>
</tr>
<tr>
<td>PSY121FS</td>
<td>121FS</td>
<td>Sleep in Society: History, Culture, and Medicine</td>
<td>Exploration of sleep as it intersects anthropology, history, psychology, neurology, sociology, linguistics, and public policy. Topics range from normal sleep and circadian rhythms to the evolution of sleep and sleep habits around the world. Social determinants of sleep in the United States are considered. Students discuss racism and public policies in sleep health, the costs of massive societal sleep deprivation, the history and cultural narratives of dream interpretation, and principles of clinical sleep medicine. Open only to students in the Focus Program.</td>
</tr>
<tr>
<td>PSY141</td>
<td>141</td>
<td>Fundamentals of Decision Science</td>
<td>This course is a question-driven introduction to the certificate and the fundamentals of how humans make decisions. The primary goal is to provide hands-on and problem-focused instruction designed to connect students to research as quickly as possible. Substantive topics include behavioral and experimental economics, consumer behavior and marketing research, game theory, medical decision making, neuroeconomics, and political psychology.</td>
</tr>
<tr>
<td>PSY190</td>
<td>190</td>
<td>Psychology Special Topic-Lecture</td>
<td>Topics vary by semester and section from the areas of Psychology: Abnormal/Health, Biological, Cognitive, Developmental or Social. Consent of instructor and/or specific prerequisites may be required for specific offerings.</td>
</tr>
</tbody>
</table>
### PSY190FS - Focus - Special Topics Seminars

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<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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<tbody>
<tr>
<td>PSY</td>
<td>190FS</td>
<td>Focus - Special Topics Seminars</td>
</tr>
</tbody>
</table>

**Description**
Seminar for students in Focus Program only. Content varies by semester. Different courses (and areas of psychology) indicated by section number.

### PSY190S - Psychology Special Topic Seminar

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<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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<tbody>
<tr>
<td>PSY</td>
<td>190S</td>
<td>Psychology Special Topic Seminar</td>
</tr>
</tbody>
</table>

**Description**
Topics vary by semester and section from the areas of Psychology: Abnormal/Health, Biological, Cognitive, Developmental or Social. Consent of instructor and/or specific prerequisites may be required for specific offerings.

### PSY190SA - Duke Administered Study Abroad: Special Topics in Psychology

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<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>PSY</td>
<td>190SA</td>
<td>Duke Administered Study Abroad: Special Topics in Psychology</td>
</tr>
</tbody>
</table>

**Description**
Topics differ by section.

### PSY195FS - Intersections of the Sexual Brain

<table>
<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>PSY</td>
<td>195FS</td>
<td>Intersections of the Sexual Brain</td>
</tr>
</tbody>
</table>

**Description**
Understanding how the human brain and environment interconnect evolved dramatically with recent advances in neuroscience research methods. Students analyze such interconnections and the impact on societal theories of human sexuality. Students assess influential factors such as ethnicity/race, culture, and religion, all diversely represented in contemporary America. Students read and discuss scientific and popular articles with historical context and explore the consequences of scientific observations on the personal, societal and political levels. Students develop written and oral communication skills and work collaboratively with fellow peers. Open only to Focus Program students.

### PSY196FS - Patient and Research Participant Activism and Advocacy

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<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>PSY</td>
<td>196FS</td>
<td>Patient and Research Participant Activism and Advocacy</td>
</tr>
</tbody>
</table>

**Description**
In the 1960s, patients appropriated the language and tactics of the civil rights movement to advance clinical and research agendas. Today patient activism is evolving, leading to new solutions, dilemmas, and organizational structures. This course will examine patient and research participant activism and the ways it challenges conventional notions of expertise, amateurism, ‘human subjects protections,’ and minimization of risk. Students will bring the tools of journalism, anthropology, humanities scholarship, public policy and community engagement/citizen science to bear on ethical and policy questions. Open only to students in the Science & the Public Focus Program cluster. Department consent required.

### PSY197FS - Addiction and Substance Abuse: Global Health Perspectives

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<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>PSY</td>
<td>197FS</td>
<td>Addiction and Substance Abuse: Global Health Perspectives</td>
</tr>
</tbody>
</table>

**Description**
The major goal of the course is to develop scientific, clinical, and social perspectives on the issue of addiction and substance abuse disorders. Students will be able to develop a scientific perspective on the etiology of addiction and effects of social factors such as disease pandemic in its manifestation. We will explore the effects of the COVID-19 pandemic on substance abuse and mental health. We will also address the positive and negative aspects of legalization of marijuana. Be ready for an exciting scientific debate.
### PSY201L - Introduction to Statistical Methods in Psychology

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<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSY</td>
<td>201L</td>
<td>Introduction to Statistical Methods in Psychology</td>
<td>Introduction to statistical methods used in psychological research. Topics include measures of central tendency and variability; probability and distributions; confidence intervals and hypothesis testing; t-test and analysis of variance; correlation and regression; chi-square tests. Calculate and interpret statistics referencing data and research questions typical in psychological research. Includes a lab section with instruction in management and analysis of data using statistical software designed for use in social science research. Required for the major. Prerequisites: two Psychology or two Neuroscience courses (one of which may be taken concurrently with Psychology 201) or one Psychology and one Neuroscience course (one of which may be taken concurrently with Psychology 201). Restriction: Not open to students who have taken Statistical Science 101, 102, 111, 250 or Mathematics 342.</td>
</tr>
</tbody>
</table>

### PSY202 - Research Methods in Psychological Science

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<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSY</td>
<td>202</td>
<td>Research Methods in Psychological Science</td>
<td>Hands-on experience in designing and conducting research in psychology. Theoretical topics include experimental and non-experimental methods, including observational, archival, and case-study methods. Problems of validity and control. Using these theoretical tools, students review literature, design experiments, collect data, analyze data, and write papers on areas such as learning, cognitive science, sensation and perception, and social, clinical and developmental psychology.</td>
</tr>
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</table>

### PSY202L - Research Methods in Psychological Science

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<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
<th>Description</th>
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<tbody>
<tr>
<td>PSY</td>
<td>202L</td>
<td>Research Methods in Psychological Science</td>
<td>Same as PSY 202 but with lab sections. Hands-on experience in designing and conducting research in psychology. Theoretical topics include experimental and non-experimental methods, including observational, archival, and case-study methods. Problems of validity and control. Using these theoretical tools, students review literature, design experiments, collect data, analyze data, and write papers on areas such as learning, cognitive science, sensation and perception, and social, clinical and developmental psychology.</td>
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### PSY203 - Practicum

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<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>PSY</td>
<td>203</td>
<td>Practicum</td>
<td>Introduction to the research of a faculty member, often preparing the student for independent study. Format varies, including readings, data collection and analysis, discussions, or other activities. Satisfactory/Unsatisfactory grading only. Does not count toward the major. Department consent required.</td>
</tr>
</tbody>
</table>
PSY204L - Quantitative Research Methods and Statistics for Psychological Science 1

Subject: PSY  
Catalog Number: 204L  
Title: Quantitative Research Methods and Statistics for Psychological Science 1

Description:
First part of two-semester series (204L/205L). Design of research studies and use of statistical methods to become better consumers, creators, and communicators of psychological research. First semester (204L) focused on research design and measurement, ethical issues, statistical tests for observational studies (e.g., t-tests, correlation, non-parametric tests), statistical software, and communicating scientific findings. Students will develop the methodological and statistical knowledge and skills to conduct their own psychological research. Includes lab section. Required for psychology major. Recommended prerequisite: two Psychology or Neuroscience courses (one may be taken concurrently with Psychology 204L).

PSY205L - Quantitative Research Methods and Statistics for Psychological Science 2

Subject: PSY  
Catalog Number: 205L  
Title: Quantitative Research Methods and Statistics for Psychological Science 2

Description:
Second part of two-semester series (204L/205L). Design of research studies and use of statistical methods to become better consumers, creators, and communicators of psychological research. Second semester (205L) focused on experimental research design, ethical issues, statistical tests for experimental studies (e.g., regression, ANOVA, non-parametric tests), statistical software, and communicating scientific findings. By the end of this course series, students will have the methodological and statistical knowledge and skills to conduct their own psychological research. Includes lab section. Required for psychology major. Prerequisite: Psychology 204L (cannot be taken concurrently with Psychology 205L).

PSY207 - Child Clinical Psychology

Subject: PSY  
Catalog Number: 207  
Title: Child Clinical Psychology

Description:
The etiology and developmental course of major childhood psychological disorders. Practices of assessment, diagnosis, and treatment of childhood psychological disorders and the research that supports these practices. Emphasis on understanding interactions among individual child, family, and social factors in the etiology, diagnosis, and treatment of childhood psychological disorders. Prerequisite: Psychology 103 or 105.

PSY208 - Behavioral Aspects of Health

Subject: PSY  
Catalog Number: 208  
Title: Behavioral Aspects of Health

Description:
Overview of interdisciplinary field of behavioral medicine, emphasizing integration of social and behavioral sciences in the service of understanding physical health and illness. Psychosocial risk factors for medical illness; biobehavioral mechanisms whereby psychosocial risk factors affect pathophysiology; and biobehavioral intervention to treat and rehabilitate patients with major medical disorders in interdisciplinary settings.

PSY209 - Stress and Coping

Subject: PSY  
Catalog Number: 209  
Title: Stress and Coping

Description:
Psychological theory and empirical work on stress and coping, with an emphasis on post-traumatic stress. Focus on the research designs, methods and reasoning by which stress is inferred and its effects assessed.

PSY212 - Introduction to Forensic Psychology

Subject: PSY  
Catalog Number: 212  
Title: Introduction to Forensic Psychology

Description:
Examine the role of clinical psychology in forensic evaluations. Introduction: mental status evaluations and assessment for competency to stand trial. Explore impact of mental health disorders on forensic process. Read and discuss related texts regarding legal and social issues related to forensics. Psychology 105 suggested prior to taking this course.

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<table>
<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
<th>Description</th>
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<tbody>
<tr>
<td>PSY213 - Advanced Abnormal Psychology</td>
<td>PSY 213</td>
<td>Advanced Abnormal Psychology</td>
<td>An advanced course in the lifespan study of adult psychopathology. Lecture and readings emphasize psychological and neuroscience perspectives on disorders such as autism spectrum disorder, attention deficit hyperactivity disorder, depression and schizophrenia. Readings are primarily journal articles and other original sources. Topics also include the logic of diagnostic systems, methodological and ethical issues in psychopathology research, integration across levels of analysis, and translating research findings into effective interventions. Prerequisite: Psychology 105.</td>
</tr>
<tr>
<td>PSY214 - Exercise and Mental Health</td>
<td>PSY 214</td>
<td>Exercise and Mental Health</td>
<td>Examines the neural and psychological correlates of exercise that influence mental and cognitive health. Explores exercise guidelines and theories of exercise behaviors. Topics include exercise and depression, anxiety, stress, self-esteem, body image, circadian rhythms, learning, dementia, and mental states and performance.</td>
</tr>
<tr>
<td>PSY215FS - The Psychology of Crime: Scientific and Public Perspectives</td>
<td>PSY 215FS</td>
<td>The Psychology of Crime: Scientific and Public Perspectives</td>
<td>Introduction to theories of criminal behavior from developmental and psychological perspectives, with focus on scientific and public perspectives. Investigate risk and protective factors influencing the development of delinquency and crime, systemic and sociocultural factors, ethical controversies, and applied topics in criminal behavior. Students critically evaluate, synthesize, and debate cases in context of current empirical research. Interactive learning emphasized. Open only to students in the Focus Program.</td>
</tr>
<tr>
<td>PSY217 - Introduction to Cognitive Neuroscience</td>
<td>PSY 217</td>
<td>Introduction to Cognitive Neuroscience</td>
<td>The biological bases of higher brain function, including perception, attention, memory, language, emotion, executive functions and consciousness. Emphasis on human brain function at the macroscopic network-level, and the current theories and controversies in this rapidly growing field. Course is not recommended for freshmen. Prerequisite: Neuroscience 101 or Psychology 106 or Psychology 102 or Psychology 275/Neuroscience 201/Biology 224, or Neurobiology 195FS/Neuroscience 195FS, or Neurobiology 193FS/Neuroscience 193FS, or Neurobiology 197FS/Neuroscience 197FS, or permission of instructor.</td>
</tr>
<tr>
<td>PSY217D - Introduction to Cognitive Neuroscience</td>
<td>PSY 217D</td>
<td>Introduction to Cognitive Neuroscience</td>
<td>The biological bases of higher brain function, including perception, attention, memory, language, emotion, executive functions and consciousness. Emphasis on human brain function at the macroscopic network-level, and the current theories and controversies in this rapidly growing field. Course is not recommended for freshmen. Prerequisite: Neuroscience 101 or Psychology 106 or Psychology 102 or Psychology 275/Neuroscience 201/Biology 224, or Neurobiology 195FS/Neuroscience 195FS.</td>
</tr>
<tr>
<td>PSY220 - The Psychology of Gender</td>
<td>PSY 220</td>
<td>The Psychology of Gender</td>
<td>The psychology of gender in this country, including sex differences, separation and individuation, and achievement; sexuality; sex-roles; mental health problems particularly salient to genders; cultural influences on gender development and views within the field of psychology of gender.</td>
</tr>
</tbody>
</table>
PSY221 - Personality
Subject: PSY  
Catalog Number: 221  
Title: Personality  
Description: Theory and research dealing with the human personality, focusing on universal features of personality that are part of human nature, ways in which personality variables and processes differ across people, and the processes through which personality relates to thought, emotion, and behavior. Topics include personality traits, genetic and biological influences on personality, cognitive aspects of personality, motivation and emotion, self and identity, unconscious processes, personality measurement, and personality dysfunctions. Students required to participate in psychological research.

PSY222 - Motivation Theories and Applications in Psychology
Subject: PSY  
Catalog Number: 222  
Title: Motivation Theories and Applications in Psychology  
Description: An overview of the concept of motivation and its use in psychological theory and research. This survey course will examine psychological theory and research on core human motives, such as needs for autonomy, competence, and belonging and the role they may play in determining self-regulation, behavior, and emotional experience. In doing so, this course will also consider how motivations are addressed both deliberately and automatically, through goal setting and goal pursuit and the implications for understanding situational influences, individual difference and psychological well-being.

PSY223 - The Self and Social Identities
Subject: PSY  
Catalog Number: 223  
Title: The Self and Social Identities  
Description: Course broadly explores definitions of 'the self' and how different social identities develop, change, and overlap with each other across the lifespan. Using both theory and a large body of empirical research from psychology, we investigate how our own sense of self as well as our perceptions of other people's identities guide behavior. Using media examples, peer-reviewed research, and news articles we will examine both personal and societal views of identity that contribute toward the intersectional nature of social existence. Psychology 101 or at least one other psychology course suggested before taking this course.

PSY225D - Political Psychology
Subject: PSY  
Catalog Number: 225D  
Title: Political Psychology  
Description: How individuals interact with their political environment and with other individuals and groups. Theories and findings from both disciplines to gain deeper insights into political processes and decisions. Likely topics include individuals' political attitudes, decisions and judgments. Other likely topics include theories of how people cooperate with each other and how groups come into conflict with each other, psychological approaches to analyzing political leaders and/or the way members of different cultures process political information.

Duke University
### PSY226 - Sex/Gender - Nature/Nurture: Intersections of Biology and Society

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<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSY</td>
<td>226</td>
<td>Sex/Gender - Nature/Nurture: Intersections of Biology and Society</td>
</tr>
</tbody>
</table>

**Description**

Debates about sexuality, sex, and gender hinge on radically different ideas about relative effects of biological forces vs. social forces, or nature vs. nurture. Course changes terms of arguments about sexuality and gender and nature/nurture. Explores how nature/nurture emerged as scientific and popular debate. Evaluates new developments in science and cultural fields that are now reconsidering how biology and environments interact. Showcases debates about how sex and sexuality are formed through interplay of genetic information, hormones, material bodies, and social environments.

### PSY227 - Leadership and Collaboration

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<th>Title</th>
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<tbody>
<tr>
<td>PSY</td>
<td>227</td>
<td>Leadership and Collaboration</td>
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</tbody>
</table>

**Description**

Leadership is essential to the success of groups, organizations, and societies. To be effective, leaders must possess a clear understanding of human behavior and social processes. This course is an introduction to the study of leadership from the perspective of the social sciences. We will draw on a range of social science research to address key questions about the process and practice of collaborative leadership and followership. The goal of the course is to not only expose students to the empirical study of leadership and followership but also stimulate them to think critically about human behavior.

### PSY230 - Relationships across the Lifespan

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<tr>
<td>PSY</td>
<td>230</td>
<td>Relationships across the Lifespan</td>
</tr>
</tbody>
</table>

**Description**

This course explores the developmental changes that occur in close relationships (e.g., parent, sibling, peer) across the lifespan, from infancy through late adulthood, and the differing roles these relationships play in the development and behavior of the individual. The impact of significant relationship events (e.g., divorce, marriage) on development will also be examined. Recommended prerequisite: Psychology 101, 102, or 104.

### PSY232 - Quad Course: The Art and Science of What 'Works' In Life

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<th>Subject</th>
<th>Catalog Number</th>
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<tbody>
<tr>
<td>PSY</td>
<td>232</td>
<td>Quad Course: The Art and Science of What 'Works' In Life</td>
</tr>
</tbody>
</table>

**Description**

Multidisciplinary evaluation of artistic portrayals of and social scientific evidence for ways to live a human life. Experiential component of class involves trying new things in life based on existing artistic portrayals and scientific evidence, collecting new quantitative data about these experiences, and learning basic data analysis skills to evaluate the evidence. Overall goal is to provide students with new knowledge and skills to maximize their college experience and prepare for an impactful life beyond Duke.
PSY232A - The Return of the Collective (Psychosocial Approach Contemporary Spain) Theatre, Culture, & Identity

**Subject**  
PSY

**Catalog Number**  
232A

**Title**  
The Return of the Collective (Psychosocial Approach Contemporary Spain) Theatre, Culture, & Identity

**Description**  
The hasty transformation experienced by Spanish society the last 40+ years demands questioning the processes involved in its changing identities. This course delves into the economic, cultural, and linguistic circumstances that shaped the portrait of current Spain. By looking into contemporary theatrical production, we will consider causes, motivations, and consequences of the emergence of new subjectivities linked to the coming of democracy. To reach a better understanding of these new ways of thinking, sentimentalities, and behaviors operating in today's Spain, special attention will be paid to the social conditionings involved in the shaping of identities. Taught at Duke in Madrid.

PSY239 - Adolescence

**Subject**  
PSY

**Catalog Number**  
239

**Title**  
Adolescence

**Description**  
Adolescent development, including identity formation, intelligence, sexuality, peer and parent relationships, vocational choices, drugs, and psychopathology. Theory and empirical findings. Emphasis on the methods and research designs that have led to an understanding of adolescent development. Required participation in service-learning.

PSY239-1 - Adolescence

**Subject**  
PSY

**Catalog Number**  
239-1

**Title**  
Adolescence

**Description**  
Adolescent development, including identity formation, intelligence, sexuality, peer and parent relationships, vocational choices, drugs, and psychopathology. Theory and empirical findings. Emphasis on the methods and research designs that have led to an understanding of adolescent development.

PSY240 - Educational Psychology

**Subject**  
PSY

**Catalog Number**  
240

**Title**  
Educational Psychology

**Description**  
Principles of developmental, social, and cognitive psychology as applied to education, with a focus on how children learn. Examination of the impact on learning of race, class, gender, and ethnicity, including a comparative analysis of cultural differences in American schools. Through structured service-learning experiences in local schools, students reflect through writing on ethical issues in teaching. Required service-learning.

PSY240-1 - Educational Psychology

**Subject**  
PSY

**Catalog Number**  
240-1

**Title**  
Educational Psychology

**Description**  
Principles of developmental, social, and cognitive psychology as applied to education, with a focus on how children learn. Examination of the impact on learning of race, class, gender, and ethnicity, including a comparative analysis of cultural differences in American schools. Through structured service-learning experiences in local schools, students reflect through writing on ethical issues in teaching. Online equivalent to Education 240. Not open to students who have taken Education 240.

PSY240S - Educational Psychology

**Subject**  
PSY

**Catalog Number**  
240S

**Title**  
Educational Psychology

**Description**  
Principles of developmental, social, and cognitive psychology as applied to education, with a focus on how children learn. Examination of the impact on learning of race, class, gender, and ethnicity, including a comparative analysis of cultural differences in American schools. Through structured service-learning experiences in local schools, students reflect through writing on ethical issues in teaching. Required service-learning.
Duke University

**PSY250 - Myths and Mysteries of Memory**

**Subject**
PSY

**Catalog Number**
250

**Title**
Myths and Mysteries of Memory

**Description**
Understanding the feats and failures of memory in everyday situations. Exploration of the use and misuse of memory of interest across professions (e.g., medicine, law, advertising, education), via demonstrations, lecture, and readings. Topics include repression, how to study for exams, remembering names, early childhood memories, amnesia, photographic memory, eyewitness testimony, and pharmacological effects.

**PSY252 - Psychology of Thinking**

**Subject**
PSY

**Catalog Number**
252

**Title**
Psychology of Thinking

**Description**
Overview of high level cognitive processes in both theoretical and applied areas. Emphasis on the research designs, methods, and reasoning for understanding how people engage in categorization, problem solving and decision making. The social implications of cognitive testing and an appreciation of the role of human factors in a technological age. Recommended prerequisite: one previous psychology course.

**PSY254S - Intro to Psychoanalytic Theory**

**Subject**
PSY

**Catalog Number**
254S

**Title**
Intro to Psychoanalytic Theory

**Description**
In this seminar we will explore psychoanalytic theory by focusing on specific topics such as hysteria, perversion, sexuality, repression, narcissism, the unconscious, and the id/ego/superego. Throughout the semester, we will examine the relationship in psychoanalysis between theory and practice as well as entertain the possibility that the theories based on clinical practice might have some applicability for grappling with questions concerning power, politics, conceived in a global context, and what philosopher Michel Foucault referred to in his later work as the 'care of the self.'

**PSY255 - Human Cognitive Evolution**

**Subject**
PSY

**Catalog Number**
255

**Title**
Human Cognitive Evolution

**Description**
Survey of methods/theories used in the study of human cognitive evolution; development of cognition in children; brain damaged patients; cognitive abilities of great apes; paleoanthropology of early and modern humans and evidence for mental abilities and culture; cross-cultural and sex differences in human cognition; genetics and the evolution of cognition. Recommended prerequisite: Evolutionary Anthropology 101 or Psychology 102.

**PSY256 - Psychology of Language**

**Subject**
PSY

**Catalog Number**
256

**Title**
Psychology of Language

**Description**
Examination of linguistic structures and their psychological 'reality,' language and cognition, biological bases, animal communication, language pathologies, nonverbal communication, and bilingualism. Everyday language phenomena (such as slips of the tongue) as well as experimental and theoretical research. Emphasis on research designs, methods and reasoning used to study the role of language in cognition and action. Research proposal required.

**PSY256-2 - Psychology of Language**

**Subject**
PSY

**Catalog Number**
256-2

**Title**
Psychology of Language

**Description**
Examination of linguistic structures and their psychological 'reality,' language and cognition, biological bases, animal communication, language pathologies, nonverbal communication, and bilingualism. Everyday language phenomena (such as slips of the tongue) as well as experimental and theoretical research. Emphasis on research designs, methods and reasoning used to study the role of language in cognition and action. Research proposal required.
### PSY258 - Decision Neuroscience

**Subject**: PSY  
**Catalog Number**: 258  
**Title**: Decision Neuroscience  

**Description**
How new research in neuroscience, cognitive psychology, and behavioral economics shapes our understanding of decision making. Topics include functional organization of key brain systems, approaches to measuring and interpreting neuroscience data, methods for measuring decision-making behavior, economic and cognitive modeling, and impact of neuroscience on real-world decision-making. Emerging topics will include applications in policy, marketing, and finance. Prior coursework in neuroscience or decision sciences is strongly recommended.

### PSY267 - From Madness to Mental Disorders: Sociology of Mental Health

**Subject**: PSY  
**Catalog Number**: 267  
**Title**: From Madness to Mental Disorders: Sociology of Mental Health  

**Description**
Investigates mental health processes and policies in historic, cultural, and socioeconomic context. Explains why definitions of and responses to mental illness have changed across time and place. Probes ethical dilemmas created by the medicalization of deviance. Examines how social conditions shape the development and consequences of mental disorders, treatments, and policies. Evaluates alternative theoretical explanations for how mental well-being and mental health services are linked to socioeconomic status, gender, race, ethnicity, citizenship, age, and sexuality. Assesses ability of alternative policies to improve public mental health.

### PSY267S - Culture and Mental Health

**Subject**: PSY  
**Catalog Number**: 267S  
**Title**: Culture and Mental Health  

**Description**
This course examines the social and cultural facets of mental illness, psychological diagnoses, and mental health from the standpoints of cultural psychiatry, medical anthropology, and social medicine. Global case studies will form the basis for several key questions: how do mental distress and forms of treatment differ cross-culturally? How might social differences such as gender, sexuality, and race shape therapeutic encounters in mental health? And what roles do psychology, psychiatry, and the brain sciences play in everyday life?

### PSY273 - Behavior and Neurochemistry

**Subject**: PSY  
**Catalog Number**: 273  
**Title**: Behavior and Neurochemistry  

**Description**
The role of brain chemicals (neurotransmitters, peptides, and hormones) in behavior. Hypotheses addressing the neurobiology of mental disorders and how they can be treated by pharmacological intervention. Emphasis on the development and critical evaluation of pharmacological models of brain function using mathematical and/or deductive/inductive models of reasoning and experimentation. Recommended prerequisite: Psychology 106 or 107/Neuroscience 101 or 102.
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<tr>
<th>Subject</th>
<th>Catalog Number</th>
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<th>Description</th>
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<tbody>
<tr>
<td>PSY</td>
<td>274</td>
<td>PSY274 - Drugs, Brain, and Behavior</td>
<td>Mechanisms by which psychoactive drugs act. Changes that occur with chronic use of drugs; drug abuse and dependence. Social and legal implications of psychoactive drugs. Designed for both science and nonscience majors. Emphasis on the reasoning, research designs, and methods for understanding drug effects. Prerequisite: introductory biology (Biology 25L) and chemistry (Chemistry 11L, 12L).</td>
</tr>
<tr>
<td>PSY</td>
<td>275</td>
<td>PSY275 - Fundamentals of Neuroscience</td>
<td>Course covers broad and rapidly evolving field of neuroscience encompassing questions about how humans and other animals experience their world. Learners explore the organization of neural systems that sense our environment, plan and execute complex movements, encode and retrieve memories, and experience a wide range of emotions. Learners examine brain development and how changes in structure and function underlie impacts of neurological and psychiatric disorders. Not recommended for first-year students. Prerequisite: Biology 20, 201L, 202L, or 203L and Chemistry 20, 21, 101DL, or 110DL or concurrent enrollment in Biology 201L, 202L, or 203L and concurrent enrollment in Chemistry 101DL or 110DL.</td>
</tr>
<tr>
<td>PSY</td>
<td>276</td>
<td>PSY276 - Brain and Behavior: Translating Neuroscience</td>
<td>This course will focus on how brain mechanisms enable behavior. We will examine the neural basis of homeostatic control, voluntary actions, motivation, emotion, and decision making. We will use systems analysis to elucidate how volition, intentionality, and purpose can be emergent properties of neuronal interactions. We will also explore how different neurological and psychiatric disorders can result from specific defects in hierarchical neural networks. Prerequisite (one of the following): Psychology 106/Neuroscience 101, Psychology 107/Neuroscience 102, Psychology 275/Neuroscience 201, or Psychology 193FS/Neurobiology 193FS/Neuroscience 193FS.</td>
</tr>
<tr>
<td>PSY</td>
<td>277</td>
<td>PSY277 - Looking Inside the Disordered Brain</td>
<td>What brain circuits give rise to the dazzling diversity of human behavior, and how do even subtle disturbances within these circuits lead to abnormal behavior or psychopathology? This course provides students with a working knowledge of the brain circuits that create order in our social, emotional and cognitive worlds, and how disorder within these circuits leads to a broad range of psychopathology including depression, anxiety, phobias, PTSD, OCD, addiction, autism, schizophrenia, psychopathy and violence. Prerequisite: Psychology 106/Neuroscience 101 or Psychology 107/Neuroscience 102.</td>
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<tr>
<td>PSY</td>
<td>278</td>
<td>PSY278 - Neuroethics</td>
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<td>Focus on emerging ethical controversies concurrent with advances in neuroscience. Background material covered: concepts and methods in neuroscience; theories of ethics and morality from philosophy, law, and other fields. Ethical topics covered: biological bases of morality; emotions and decision making; neuroeconomics and neuromarketing; pathologies of mind and behavior; volition and legal culpability. Course format: combined lectures, discussion, interactive activities, with case studies and real-world examples (e.g., neuroimaging as legal evidence). Prior coursework in neuroscience and/or ethical inquiry recommended.</td>
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<tr>
<td>PSY</td>
<td>280S</td>
<td>PSY280S - Social and Affective Neuroscience</td>
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<tr>
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<td>Understanding how individual, interpersonal, and intergroup behaviors are processed in the brain. Topics include neuroscience of self- and group identity, self-regulation, social and affective communication, stereotyping, pro- and anti-social behavior, power motivation, group cooperation and competition, and cultural differences in emotion processing. Prerequisite: Psychology 106/Neuroscience 101 or Neuroscience 102/ Psychology 107.</td>
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<tr>
<td>PSY</td>
<td>282</td>
<td>PSY282 - Neuroscience of Movement and Athletic Performance</td>
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<td>Addresses neurobiology of movement, sports and other forms of physical performance at a variety of levels, from biochemical and physiological to cognitive and behavioral. Starting with neurophysiology of muscle development and movement and progressing through use of imagery and cognitive training, we will discuss the variety of neurobiological processes involved in athletic performance, as well as methods used to study these processes. Explores neuromuscular diseases, injuries and dysfunctions as well as use of exercise and movement as therapy for neuromuscular and non-neuromuscular disorders. Prerequisite: Neuroscience 101/ Psychology 106 or Neuroscience 102/ Psychology 107.</td>
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<tr>
<td>PSY</td>
<td>283S</td>
<td>PSY283S - Breakdown: Madness, Self, Fiction</td>
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<tr>
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<td>Study of madness, mental illness, and psychological distress as experienced and accounted for from literary and philosophical perspectives. How should an individual’s declaration of spiritual health or illness by understood? What critical tools can literature bring to the study of the soul’s suffering? Focus on testimonies of mental strife in a transnational/historical frame. Literary selections range from romanticism and realism to high modernism and contemporary neurofiction.</td>
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1222 / 1527
### PSY288S - Music as Biology

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<th>Subject</th>
<th>Catalog Number</th>
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<tbody>
<tr>
<td>PSY</td>
<td>288S</td>
<td>Music as Biology</td>
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</tbody>
</table>

**Description**
The course will explore the tone combinations that humans consider consonant or dissonant, the scales we use, and the emotions music elicits, all of which provide a rich dataset for exploring music and auditory aesthetics in neurobiological terms. Analyses of speech and music indicate that the chromatic scale (the set of tones used by humans to create music), consonance and dissonance, worldwide preferences for a few dozens scales from the billions that are possible, and the emotions elicited by music in different cultures stem from the relative similarity of musical tonalities and the characteristics of voiced (tonal) speech. Our brains have evidently evolved to associate these two domains.

### PSY290 - Special Topics in Psychology - Lecture

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<th>Subject</th>
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<tbody>
<tr>
<td>PSY</td>
<td>290</td>
<td>Special Topics in Psychology - Lecture</td>
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</tbody>
</table>

**Description**
Topics vary by semester and section from the areas of Psychology: Abnormal/Health, Biological, Cognitive, Developmental or Social. Consent of instructor and/or specific prerequisites may be required for specific offerings.

### PSY290A - Duke Administered Study Abroad: Special Topics in Psychology

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<th>Subject</th>
<th>Catalog Number</th>
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<tbody>
<tr>
<td>PSY</td>
<td>290A</td>
<td>Duke Administered Study Abroad: Special Topics in Psychology</td>
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</tbody>
</table>

**Description**
Topics differ by section.

### PSY290S - Special Topics in Psychology - Seminar

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<th>Subject</th>
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<tbody>
<tr>
<td>PSY</td>
<td>290S</td>
<td>Special Topics in Psychology - Seminar</td>
</tr>
</tbody>
</table>

**Description**
Topics vary by semester and section from the different areas of Psychology: Biological, Cognitive, Developmental or Personality/Social. Consent of instructor and/or specific prerequisites may be required for specific offerings.

### PSY302L - Brain Waves and Cognition

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<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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<tbody>
<tr>
<td>PSY</td>
<td>302L</td>
<td>Brain Waves and Cognition</td>
</tr>
</tbody>
</table>

**Description**
Combined lecture/lab course on the event-related potential (ERP) method and its use in cognitive neuroscience. ERPs, which are electrical brain waves triggered by sensory and cognitive events, provide a powerful means to noninvasively study the timing and sequence of the neural activity underlying cognitive processes in humans. The course covers how ERPs are generated, recorded, and analyzed, and how they are used to study cognitive processes. Students gain substantial hands-on experience in the context of performing a group cognitive neuroscience experiment. Recommended: previous courses in neuroscience/psychology, proficiency with computers, sophomore or higher status.

### PSY303L - Functional Neuroimaging

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<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSY</td>
<td>303L</td>
<td>Functional Neuroimaging</td>
</tr>
</tbody>
</table>

**Description**
Overview of use of functional magnetic resonance imaging (fMRI) in the investigation of human sensory, motor, and cognitive function. Topics will include fMRI to study human brain systems involved with movement, sensation, perception, and memory. Students will design and execute a neuroimaging experiment. Prior course in Statistics is strongly recommended. Consent of instructor required.
PSY304 - Child Observation
Subject: PSY
Catalog Number: 304
Title: Child Observation
Description: Introduction of research methods used to study children (observational techniques, experimental design). Focus on developing proficiency in research methodology, communicating research findings to other psychologists, and increasing knowledge and expertise with young children. Prior courses in Developmental Psychology and Statistics strongly recommended. Open to junior and senior students only. Instructor consent required.

PSY305 - Research Methods in Social Psychology
Subject: PSY
Catalog Number: 305
Title: Research Methods in Social Psychology
Description: Study of empirical research methods used to study contemporary issues in social psychology, including both experimental and non-experimental strategies. Prerequisite: Psychology 104. Prior course in statistics is strongly recommended.

PSY309 - Research Methods in Global Health
Subject: PSY
Catalog Number: 309
Title: Research Methods in Global Health
Description: Introduction to research methods through examination of a variety of methodological techniques in behavioral and social sciences and relevant to multidisciplinary GH research. Problem-based approach to practice identifying GH questions of interest, ways to operationalize and test them, including strengths and weaknesses of different approaches. Focus on discussing current GH issues, exploring questions and solutions, reading and evaluating published research and interpreting results. Skills include identification of global health problems, awareness of contextual, behavioral, and ethical issues involved, conceptualization of research questions, and designing a research study.

PSY309D - Research Methods in Global Health
Subject: PSY
Catalog Number: 309D
Title: Research Methods in Global Health
Description: Introduction to research methods through examination of a variety of methodological techniques in behavioral and social sciences and relevant to multidisciplinary GH research. Problem-based approach to practice identifying GH questions of interest, ways to operationalize and test them, including strengths and weaknesses of different approaches. Focus on discussing current GH issues, exploring questions and solutions, reading and evaluating published research and interpreting results. Skills include identification of global health problems, awareness of contextual, behavioral, and ethical issues involved, conceptualization of research questions, and designing a research study.

PSY313 - Contemporary Neuroscience Methods
Subject: PSY
Catalog Number: 313
Title: Contemporary Neuroscience Methods
Description: Explore the wide spectrum of methods commonly used in the field of neuroscience, ranging from molecular/genetic to electrophysiology and whole brain imaging. Multiple units of this team-based learning course will include interaction with a scientist currently practicing the technique. Prerequisite: Neuroscience 101/Psychology 106 or Neuroscience 102/Psychology 107.

PSY316S - Clinical Issues for the LGBTQ Community
Subject: PSY
Catalog Number: 316S
Title: Clinical Issues for the LGBTQ Community
Description: An introduction to LGBTQ issues in the mental-health field and other people-focused professions, e.g., medicine, education, and law. An examination of the historical treatment of the LGBTQ population in psychological practice, the evolution of mental-health care for members of the LGBTQ community, and the psychological effects of social norms on LGBTQ individuals, couples, and families, including non-pathologizing, heterosexual bias, genderism, self-identification, coming out, multiple-minority identities, parenting, and couple dynamics.
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<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSY</td>
<td>318S</td>
<td>PSY318S - Psychology of Positive Emotion and Experience</td>
<td>Critical examination of the positive psychology movement, including prior contributions to the field. Measures quality of data; issues related to gender, ethnicity, and culture. Focus on application to health. Prerequisite: One prior psychology class.</td>
</tr>
<tr>
<td>PSY</td>
<td>319S</td>
<td>PSY319S - Virtual Avatars of Peer Health Coaching</td>
<td>This is a training course for students who are interested in becoming peer mental health coaches for other Duke students. As part of a Bass Connections team, we are developing a peer to peer app that uses anonymous avatars to facilitate communication from students needing help to students trained to help them. This is an intense course in which students will learn how to help an individual manage intense emotions and hopelessness in moments of need. Topics include helping a suicidal individual, helping an individual deal with the aftermath of a sexual assault, and related topics. An initial interview and subsequent permission from the instructor is required. Instructor consent required.</td>
</tr>
<tr>
<td>PSY</td>
<td>320</td>
<td>PSY320 - Approaches to Psychotherapy</td>
<td>This course will survey major approaches to psychotherapy including psychoanalysis/psychodynamic therapy, humanistic/existential therapy, behavior therapy, cognitive therapy, acceptance &amp; commitment therapy, family therapy approaches, and others. Extensive use of videos that demonstrate different therapy approaches will be incorporated. Research support for different psychotherapy models, cultural issues in therapy, ethical issues in therapy, and the importance of common factors across different therapy approaches will be addressed. Prerequisite: Psychology 105.</td>
</tr>
<tr>
<td>PSY</td>
<td>321S</td>
<td>PSY321S - Personality and Individual Differences</td>
<td>Study of assessment of personality and cognitive-ability traits, and their influence on the life course. Topics include: assessment of personality traits; behavioral genetics; personality continuity and change across the life course; influence of personality traits and intelligence on health and status attainment. Prerequisite: introductory course work in psychological methods and statistics in the behavioral sciences.</td>
</tr>
<tr>
<td>PSY</td>
<td>323</td>
<td>PSY323 - Fundamentals of Global Mental Health</td>
<td>Examines global mental health from perspectives of culture, public health, epidemiology, human rights, policy, and intervention. Readings focus on peer-reviewed research literature highlighting topics such as the prevalence of mental health disorders worldwide, the role of culture in mental health, and the interventions backed by strong evidence for prevention and treatment. Students will discuss and critique study methodologies and explore the needs for future research in this emerging field. Designed for students with prior research methods and psychology coursework.</td>
</tr>
<tr>
<td>PSY</td>
<td>324S</td>
<td>PSY324S - Motivation Science in Social Psychology</td>
<td>Survey of motivational approaches in social psychology. Examines work on specific types of motivation (e.g., achievement, altruism, power) and the manner in which each may come to influence our actions, cognition and emotions. Also focuses on broader implications of motivational approaches for improving psychological health and well-being and for resolving interpersonal and social conflict.</td>
</tr>
</tbody>
</table>
**PSY325 - Social Development from Childhood to Early Adulthood**

**Subject**
PSY

**Catalog Number**
325

**Title**
Social Development from Childhood to Early Adulthood

**Description**
Examines children's social development from birth to early adulthood. Attention is given to the influences of family, peers, schools, and media on social development, including parent-child attachment, achievement motivation, self-concept, sex-role development, social competence, aggression, and moral development. Throughout the course, attention is also given to major theoretical perspectives, research methodology, the applied and policy implications of research, and to children and families from diverse cultural backgrounds. Recommended prerequisite: Psychology 103 or 104 or 221, or instructor permission.

**PSY326S - Reason and Passion in Politics**

**Subject**
PSY

**Catalog Number**
326S

**Title**
Reason and Passion in Politics

**Description**
Explores the nature of mass politics in democracies through the distinction between reason and passion and the idea that a well-functioning democracy requires the triumph of cold deliberation over emotion and intuition. Discussion of classic texts on reason and passion from philosophy, politics, and psychology; dual-process models of political judgment and decision making; political belief updating and persistent disagreement over facts; moral psychology and political ideology; emotions and collective action.

**PSY330S - Develop Your Life: A Human Development and Human-Centered Design Approach**

**Subject**
PSY

**Catalog Number**
330S

**Title**
Develop Your Life: A Human Development and Human-Centered Design Approach

**Description**
This course combines developmental psychology, human development, and human-centered design with a focus on the developing student. Students examine their past development, understand themselves in the present, and consider a plan for future career and life, leveraging their past and present. Students learn others are both like themselves and very different. Varied life experiences, family background, cultural influences, education – all make us unique. Beyond theoretical and substantive knowledge, this course helps students to understand influences and consequences of diversity, gain empathy and appreciation for others, and maximize their own journey.

**PSY334 - Cognitive Development**

**Subject**
PSY

**Catalog Number**
334

**Title**
Cognitive Development

**Description**
Ever wonder how you came to learn and think? This course looks at the start of these cool human abilities, covering how children learn to perceive, act, talk, understand, and reason with and about the people, concepts, and categories around them. Students will actively engage in mostly primary source readings, scaffolded by lively lecture. Students will leave with the theories, methods, and key findings of cognitive development in their back pocket, ready to interpret primary and media coverage of cognitive development. Prerequisite: At least one Psychology course, including those cross-listed with Psychology.
PSY335S - Moral Development
Subject: PSY
Catalog Number: 335S
Title: Moral Development
Description: How do children learn to tell right from wrong? How are they socialized into ethical practices of their culture? This course explores the sources of human morality by surveying major theories of moral development and analyzing the latest research on the emergence of the moral sense. It investigates the development of early prosocial behavior, socio-moral emotions (empathy, guilt, pride), cooperation, altruism, concepts of justice, moral identity, moral evaluation, and related phenomena. In addition to age-related changes, special attention is paid to cross-cultural comparisons. Prerequisite: Psychology 103 or Psychology 235 or consent of instructor.

PSY337S - Social Processes among Peers
Subject: PSY
Catalog Number: 337S
Title: Social Processes among Peers
Description: Peers play an intense and important context for development from childhood through adolescence. This course will examine some of the most central social processes (both positive and negative) that occur among peers (e.g., aggression, victimization, rejection, group acceptance, leadership, prosocial behavior), how these processes influence the development of the individual child and adolescent, as well as their predictors and associated outcomes. Gender and ethnicity differences will also be considered. Recommended prerequisite: Psychology 103 or 104.

PSY353S - Neuroplasticity and Disease: Molecules, Cells, and Circuits
Subject: PSY
Catalog Number: 353S
Title: Neuroplasticity and Disease: Molecules, Cells, and Circuits
Description: Explore the cellular and molecular mechanisms in diverse neurological disorders, with an emphasis on understanding how disruptions of neural circuits drive behavioral and cognitive dysfunction. Students critically evaluate primary literature on topics including Alzheimer's disease, Parkinson's disease, ALS, autism spectrum disorders, intellectual disabilities, and traumatic brain injuries. Classes utilize a combination of lectures, invited guest speakers, and team-based learning exercises to create a highly interactive learning environment. Prerequisite/Corequisite: Neuroscience 201/Psychology 275/Biology 224 or Neuroscience 202 or Neuroscience 223/Biology 223.

PSY354A - History of Psychology in France and Europe
Subject: PSY
Catalog Number: 354A
Title: History of Psychology in France and Europe
Description: This course aims to open students to the place psychology holds and how it is presented culturally and socially, as well as exposing them to French psychological practices. To do so, we will identify historical and conceptual landmarks concerning contemporary psychology in France and Europe. Students will focus on the birth and life of psychology, from its 18th-century beginnings to its current applications in France. Such movements as physiology, associationism, psychoanalysis, Gestalt, cognitivism, and social psychology will be scrutinized through readings, lectures, and co-curricular outings to those places in Paris where psychology is put into practice. Taught at Duke in France.
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<tr>
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<tbody>
<tr>
<td>PSY</td>
<td>355S</td>
<td>Visual Perception and the Brain</td>
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<tr>
<td>PSY</td>
<td>356S</td>
<td>Educational Neuroscience</td>
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<tr>
<td>PSY</td>
<td>362S</td>
<td>Psychedelics and Other Illegal Psychoactive Drugs as Medicines</td>
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<tr>
<td>PSY</td>
<td>368</td>
<td>Behavioral Finance: A Taxonomy of Money Mistakes</td>
</tr>
</tbody>
</table>

**PSY355S - Visual Perception and the Brain**

**Subject**
PSY

**Catalog Number**
355S

**Title**
Visual Perception and the Brain

**Description**
Course explores how what we see is generated by the visual system. Students learn how the visual system links stimulus patterns with reproductive success without ever recovering real-world properties and without invoking feature detection, image representation in the brain, and probabilistic inference. Course considers in broader terms the relationship between the objective world and subjective human experience. Course delivered in flipped format with all lectures assigned as videos and class time devoted entirely to discussion of papers, problems and different perspectives on how the visual brain operates.

**PSY356S - Educational Neuroscience**

**Subject**
PSY

**Catalog Number**
356S

**Title**
Educational Neuroscience

**Description**
Introduction to an emerging field of educational neuroscience. Discussion on how understanding brain development and cognitive development can benefit practices in education. Readings are primary journal articles drawn from fields of cognitive neuroscience and education. Prior coursework in developmental psychology, education, or neuroscience recommended. Prerequisite: Psychology 102 or Psychology 106/Neuroscience 101 or Psychology 107/Neuroscience 102.

**PSY362S - Psychedelics and Other Illegal Psychoactive Drugs as Medicines**

**Subject**
PSY

**Catalog Number**
362S

**Title**
Psychedelics and Other Illegal Psychoactive Drugs as Medicines

**Description**
Neuroscience and potential clinical use of Cannabis, Ecstasy (MDMA) and psychedelic substances (e.g., psilocybin). Learn what these drugs do in the brain and how they do it. Course covers basic science evidence about potential physiological benefits, current trends in pharmaceutical development, and clinical trial evidence supporting applications of these formerly stigmatized drugs. Outside speakers address the FDA process, therapeutic use of psychoactive drugs, and the legislative process. Prior completion of Neuroscience 101/Psychology 106 or Neuroscience 102/Psychology 107 strongly encouraged.

**PSY368 - Behavioral Finance: A Taxonomy of Money Mistakes**

**Subject**
PSY

**Catalog Number**
368

**Title**
Behavioral Finance: A Taxonomy of Money Mistakes

**Description**
Uses popular and accepted theories of human behavior from the fields of psychology and decision-making to characterize some prevalent features of irrational behavior in financial markets. Includes discussion of typical errors made by financial market participants as a result of behavioral biases, and examination of the extent to which irrationality can affect financial markets at the aggregate level ("bubbles"), how long irrationality may persist, and what factors will eventually cause these bubbles to burst ("crashes"). Instructor consent required. Prerequisite: Economics 201D.
PSY368A - Behavioral Finance: A Taxonomy of Money Mistakes

Subject: PSY  
Catalog Number: 368A  
Title: Behavioral Finance: A Taxonomy of Money Mistakes

Description:
We will use popular and accepted theories of human behavior from the fields of psychology and decision-making to characterize some prevalent features of irrational behavior in the financial markets. We will discuss typical errors made by financial market participants as a result of behavioral biases, and examine the extent to which irrationality can affect financial markets at the aggregate level (bubbles), how long irrationality may persist, and what factors will eventually cause these bubbles to burst (crashes). Prerequisite: Economics 201D. Instructor consent required.

PSY373 - Behavioral Neuroimmunology: Brain and Behavior in Health and Disease

Subject: PSY  
Catalog Number: 373  
Title: Behavioral Neuroimmunology: Brain and Behavior in Health and Disease

Description:
An exploration of the interactions among the nervous, immune, and endocrine systems, and their consequences for neural function and behavior, using examples from both the human and animal literatures. Topics include the role of the immune system in cognition and emotions, neuroendocrine-immune interactions during stress, and the effects of stress on health and disease. The potential role of infections in the etiology of psychopathology (autism, schizophrenia) and neurodegenerative conditions (Parkinson's, Alzheimer's) will also be discussed. Recommended prerequisite: one of the following: Psychology 106/Neuroscience 101, Psychology 275/Biology 224/Neuroscience 201, Biology 101L, or equivalent.

PSY375L - Functional Anatomy of the Human Brain

Subject: PSY  
Catalog Number: 375L  
Title: Functional Anatomy of the Human Brain

Description:
Functional anatomy of the human brain and spinal cord with team-based learning approaches and laboratory-based discovery. Hands-on examination of human specimens with guided explorations of external and internal brain structures and dissections to facilitate discovery. Extensive use of interactive digital media to explore CNS anatomy and the organization of the major neural systems underlying sensory, motor and cognitive function. Analysis of actual clinical cases representing a variety of neurological disorders. Consideration of brain evolution and comparative neuroanatomy. Prior completion of Neuroscience 101/102 or 201 or Evolutionary Anthropology 101 highly recommended.

PSY376S - Behavioral Neuroendocrinology

Subject: PSY  
Catalog Number: 376S  
Title: Behavioral Neuroendocrinology

Description:
The neurobiological mechanisms of hormone-brain-behavior interaction through an examination of empirical research and textbook readings. Topics include neuroendocrine systems, hormone cell signaling and physiology, neurodevelopment and sexual differentiation, sex differences in social behaviors across species (parenting and mating), stress response systems, hormone-related mood disorders; with consideration of ethical issues. Research paper required. Strong emphasis on neurobiology. Prerequisite: Psychology 106/Neuroscience 101 or Psychology 107/Neuroscience 102. Recommended prerequisite: background knowledge gained from additional courses in neuroscience, psychology, biology, or evolutionary anthropology.
**PSY378L - Perception and the Brain**

**Subject**  
PSY

**Catalog Number**  
378L

**Title**  
Perception and the Brain

**Description**  
Explores capacities and limitations of human sensory systems. How the sense organs detect objects and events and what brains then do with that information. Concentrates primarily on the visual system, with some forays into other sensory modalities. Prerequisites: Psychology 102 or 106/107/Neuroscience 101/102. Prior course in statistics is strongly recommended.

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**PSY379L - Comparative Neuroanatomy**

**Subject**  
PSY

**Catalog Number**  
379L

**Title**  
Comparative Neuroanatomy

**Description**  
For advanced undergraduate students in the brain-related sciences who want to acquire an in-depth understanding of vertebrate neuroanatomy. Course focused on the primate central nervous system, with aspects of brain organization in rodents and other vertebrates presented throughout the semester. Reading assignments include book chapters, videos, and selected research articles. Grades are based on exams and periodic quizzes that test understanding of material in lectures and reading assignments. Prerequisite: Neuroscience 101/Psychology 106 or Neuroscience 102/Psychology 107.

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**PSY390 - Special Topics in Psychology - Lecture**

**Subject**  
PSY

**Catalog Number**  
390

**Title**  
Special Topics in Psychology - Lecture

**Description**  
Topics vary by semester and section from the areas of Psychology: Abnormal/Health, Biological, Cognitive, Developmental or Social. Consent of instructor and/or specific prerequisites may be required for specific offerings.

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**PSY390S - Special Topics in Psychology**

**Subject**  
PSY

**Catalog Number**  
390S

**Title**  
Special Topics in Psychology

**Description**  
Topics vary by semester and section from the different areas of Psychology: Biological, Cognitive, Developmental or Personality/Social. Consent of instructor and/or specific prerequisites may be required for specific offerings.

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**PSY390SA - Duke Administered Study Abroad: Special Topics in Psychology**

**Subject**  
PSY

**Catalog Number**  
390SA

**Title**  
Duke Administered Study Abroad: Special Topics in Psychology

**Description**  
Topics differ by section.

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**PSY391 - Independent Study**

**Subject**  
PSY

**Catalog Number**  
391

**Title**  
Independent Study

**Description**  
Individual non-research directed study on a previously approved topic under the supervision of a faculty member and resulting in a significant product that promotes understanding or application of psychological science. Junior year fall. Department consent required.
### PSY392 - Independent Study

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<th>Subject</th>
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<th>Title</th>
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<tbody>
<tr>
<td>PSY</td>
<td>392</td>
<td>Independent Study</td>
</tr>
</tbody>
</table>

**Description**

Individual non-research directed study on a previously approved topic under the supervision of a faculty member and resulting in a significant product that promotes understanding or application of psychological science. Junior year spring. Department consent required.

### PSY393 - Research Independent Study

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<tr>
<td>PSY</td>
<td>393</td>
<td>Research Independent Study</td>
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</table>

**Description**

Individual research in a field of special interest under the supervision of a faculty member, the central goal of which is a substantive paper or written report containing significant analysis and interpretation of a previously approved topic. Meets general requirement of a curriculum Research (R) course but does not fulfill major requirement for an advanced seminar or methods course. Junior year fall. Prerequisite: Two courses in Psychology. Consent of instructor and director of undergraduate studies required.

### PSY394 - Research Independent Study

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<tr>
<td>PSY</td>
<td>394</td>
<td>Research Independent Study</td>
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</tbody>
</table>

**Description**

See Psychology 393. Junior year spring. Prerequisite: Two psychology courses. Consent of instructor and director of undergraduate studies required.

### PSY405S - Great Ideas in Psychology

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<th>Subject</th>
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<th>Title</th>
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<tbody>
<tr>
<td>PSY</td>
<td>405S</td>
<td>Great Ideas in Psychology</td>
</tr>
</tbody>
</table>

**Description**

Ideas in psychology drawn from many content areas (including perception, personality, motivation, biological, social, cognitive, developmental) and approaches (including laboratory experiments, questionnaires, observation, imaging, interview, computer simulation). We will examine what makes ideas good, great, and mediocre, and also examine 'bad ideas' in psychology. Course functions as a capstone experience -- an opportunity to synthesize previous knowledge, fill in missing areas, and reflect on the nature of ideas in the field. Implications for evaluating ideas in any academic discipline.
### PSY411S - Disorders of Anxiety

**Description**
Provides students with a solid foundation in the DSM anxiety (and anxiety-related) disorders, focusing on presentation and correlates, as well as etiological formulations and treatments associated with multiple theoretical perspectives. Readings include journal articles, case studies, and empirically supported treatment guides; class activities include role-plays and treatment demonstrations. Open to juniors and seniors only, with priority given to psychology majors. Prerequisite: Psychology 105 and consent of instructor.

### PSY412S - Clinical Interventions: Treating Emotion Dysregulation and Impulsivity Using DBT

**Description**
Introduction to the basic principles, strategies and methods of an empirically-based clinical intervention, Dialectical Behavior Therapy (DBT), a cognitive behavioral based treatment for individuals with severe emotional dysregulation and impulsivity. Seminar includes didactics, discussion, video demonstrations, skills practice, and role-plays as well as experiential homework assignments in order to further understanding of the theoretical underpinnings of DBT, biopsychosocial model of psychopathology, case formulation, and skills needed for conducting both individual DBT therapy and the DBT skills training group (e.g., mindfulness, emotion regulation). Prerequisite: Psychology 105 or instructor consent.

### PSY425 - The Psychology of Consumers

**Description**
The psychology of consumers and ways of influencing consumer behavior. How knowledge of consumer psychology and behavior is used to develop marketing techniques. How to use consumer psychology in making business decisions; the ethical issues associated with consumer influence. Prerequisite: Prior course in Psychology.

### PSY426 - Social Psychology of Business

**Description**
Application of social psychological principles to the understanding of how businesses respond to significant environmental change. Focus on multinational firms to allow for consideration of cross-cultural influences. Recommended prerequisite: Psychology 104/Sociology 104 or a Markets and Management course.
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<tr>
<td>PSY</td>
<td>427S</td>
<td>Current Topics in Sensory Biology</td>
</tr>
</tbody>
</table>

**Description**
Exploration of recent and classic studies in sensory biology. Actual topics are chosen by students at the start of the semester. Usually includes vision, hearing, smell, taste, pheromones, electoreception, magnetoreception, bioluminescence, touch, time, and music. Recommended prerequisite: Biology 201L, or 201L and 202L, or 203L or the equivalent, and one course in Neuroscience, or consent of instructor.

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<tbody>
<tr>
<td>PSY</td>
<td>435S</td>
<td>The Role of Race and Culture on Development</td>
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</tbody>
</table>

**Description**
Critical examination of racial, cultural, and social influences on development of African American children in the U.S. Traditional and nontraditional theoretical and empirical approaches; issues surrounding children's cognitive, language, and psychosocial development, plus educational attainment explored from a socio-cultural perspective. Includes discussion of racial stereotypes, familial interactions, social policy, the media, and peer groups. Prerequisites: Introductory Psych, Developmental, Human Development, Research Methods courses. Juniors and Seniors only.

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<tr>
<td>PSY</td>
<td>436S</td>
<td>Clinical Interventions with Children and Families</td>
</tr>
</tbody>
</table>

**Description**
Study of techniques used by clinical psychologists to treat and prevent psychological disorders of childhood. Focus on a) understanding major types of clinical interventions, b) how clinical psychologists develop, implement, and evaluate interventions, c) ethical issues in treating children and families, d) integration of research and practice in the treatment and prevention of childhood psychological disorders. Prerequisites: Psychology 105 or 207, and a research methods course or statistics course.

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<tr>
<td>PSY</td>
<td>437S</td>
<td>Language Development</td>
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</tbody>
</table>

**Description**
Focuses on a fundamentally unique human ability: learning language. Covers how young children first learn language, including: 1) how children figure out what sounds their language includes; 2) how infants learn words & their meanings; and (3) what kind of processes help babies figure out the grammar of their particular native language. Since young children understand more than they can say, this course also covers the methods available for figuring out what they know, based on experimental and observational data. Students will discuss and present recent research articles and new study ideas.
**PSY438S - Children's Peer Relations**

**Subject**
PSY

**Catalog Number**
438S

**Title**
Children's Peer Relations

**Description**
Examination of the empirical literature with emphasis on the functions that peers serve for children, the developmental course of these relationships, the clinical ramifications and possible explanations for inadequate peer relations (including an examination of the family's role), and interventions used to improve children's relationships with their peers. Regular opportunities to analyze, critique, and synthesize primary research literature.

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**PSY440S - Prejudice & Stereotyping**

**Subject**
PSY

**Catalog Number**
440S

**Title**
Prejudice & Stereotyping

**Description**
In this upper-level undergraduate seminar, students will be introduced to classic and contemporary research on the psychology of stereotyping, prejudice, and discrimination. We will examine social psychological experimental evidence investigating phenomena and processes associated with people's beliefs about members of social groups (stereotypes), evaluative attitudes toward social group members (prejudice), and behavioral responses toward individuals due to their group membership(s) (discrimination). This course will help you understand when and why people express prejudice and stereotype others as well as to consider how institutions can play a role in perpetuating disparities.

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**PSY444S - Neuroscience Service Learning: Brain Connections**

**Subject**
PSY

**Catalog Number**
444S

**Title**
Neuroscience Service Learning: Brain Connections

**Description**
Learn major scientific discoveries and technological advances in psychology, biology, and neurology that shaped contemporary neuroscience and society. Discuss early and recent works ranging from popular media to scientific journals online and in-class. Improve written communication through self-reflection and weekly feedback from instructor and peers. Develop and assess neuroscience demonstrations in team environment for engaging local communities. Prerequisites: strong competency in foundational knowledge of neuroscience - successful completion of Neuroscience 101 and TWO of the following core courses: Neuroscience 201, 211, 212 or 223 (concurrent enrollment in 2nd core course acceptable).

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**PSY450S - The Psychology of Trauma and Memory**

**Subject**
PSY

**Catalog Number**
450S

**Title**
The Psychology of Trauma and Memory

**Description**
Inquiry into how memory changes in and supports the effects of traumatic events, and its relation to current diagnosis and treatment of posttraumatic stress disorder. Examination of differences across cultures in understanding trauma and responses to it. Integration of behavioral theory and observation with its neural basis, including neuroimaging. Topics include ongoing debates about accuracy, narrative coherence, and involuntary memory. Levels of analysis range from neural substrates, through behavior and thought processes to the social construction of memory and trauma. Research projects use primary and secondary materials, empirical observations, or reanalysis of existing data.
### PSY451S - Autobiographical Memory

**Subject:** PSY  
**Catalog Number:** 451S  
**Title:** Autobiographical Memory

**Description**  
A review and critical analysis of the literature, theory, and empirical study of autobiographical memory within cognitive psychology and neuroscience. Levels of analysis from the cultural, individual, neural systems, and neurobiological are integrated. Topics include accuracy, functions including planning for future actions, and effects of neural damage. Emphasis on the reasoning, research designs, and methods used in examining autobiographical memory. Research projects use primary and secondary materials, empirical observations, or reanalysis of existing data.

### PSY453S - Mind Wandering and Inattention

**Subject:** PSY  
**Catalog Number:** 453S  
**Title:** Mind Wandering and Inattention

**Description**  
Introduction to theoretical and practical aspects of research in cognitive science. Classes and readings will focus on popular topics in the domain of mind wandering and inattention, with an emphasis on the research process. This course will focus on critically evaluating primary-source material, and on honing presentation and writing skills. Prerequisite: Psychology 102 and any one of the following courses: Psychology 201L; Statistical Science 101, 102, 104, 111, or 250; Mathematics 342; or Sociology 333.

### PSY461S - Neurobiology of Learning and Memory

**Subject:** PSY  
**Catalog Number:** 461S  
**Title:** Neurobiology of Learning and Memory

**Description**  
An active, team-based learning seminar addressing the neurobiological mechanisms of learning and memory. Focusing on the cellular basis of information encoding and retrieval, this course enables you to evaluate contemporary findings, design experiments, and synthesize and communicate conclusions. Prerequisite: Psychology 257, 275, 276 or Biology 223/Neuroscience 223 or permission of instructor.

### PSY463 - Behavioral Economics

**Subject:** PSY  
**Catalog Number:** 463  
**Title:** Behavioral Economics

**Description**  
Introduction to the insights gained from incorporating psychology into economic modeling. Based exclusively on original, often recent, scientific publications. Focus on empirical evidence, theoretical models and economic implications. Equilibrium analysis is essential analytical tool. Participants will each give a presentation of a scientific paper from the reading list. This course will build on mathematics covered in Mathematics 202/212/222. Prerequisite: Economics 205D.

### PSY469S - Cognitive Control and the Prefrontal Cortex

**Subject:** PSY  
**Catalog Number:** 469S  
**Title:** Cognitive Control and the Prefrontal Cortex

**Description**  
Review and critical analysis of current and historical perspectives on functional neuroanatomy of the prefrontal cortex. Discussion is informed by anatomical, neuropsychological, neurological, neuroimaging, animal models, and computational approaches. Open to juniors and seniors majoring in Psychology or Neuroscience, and to graduate students. Instructor consent required.

### PSY470S - Cognitive Neuroscience of Memory

**Subject:** PSY  
**Catalog Number:** 470S  
**Title:** Cognitive Neuroscience of Memory

**Description**  
Research on the neural correlates of memory in humans. Neuropsychological studies with brain-damaged patients and functional neuroimaging studies with healthy individuals. Cognitive neuroscience models of memory, including episodic memory, working memory, semantic memory, priming, and procedural memory. Prerequisite: Psychology 102 or Psychology 106/Neuroscience 101 or Psychology 107/Neuroscience 102.
PSY472S - Everyday Cognition

**Subject**  
PSY

**Catalog Number**  
472S

**Title**  
Everyday Cognition

**Description**  
Key cognitive processes (e.g., attention, memory, comprehension, problem solving) and how they work in everyday settings. Cognition in classrooms, courtrooms, hospitals, grocery stores, kitchens, jobs, sports, and dance. Focus on Medical Cognition, Courtroom Cognition, and Memory for Movement. For each setting—successful vs. mediocre performance, types of errors, and applications. Visits by experts (e.g., pharmacists, doctors, judges, lawyers, chefs, choreographers) to discuss the cognitive processes essential for their jobs.

PSY474S - Biological Psychology of Human Development

**Subject**  
PSY

**Catalog Number**  
474S

**Title**  
Biological Psychology of Human Development

**Description**  
Multidisciplinary perspectives bearing on key processes in human development from infancy through old age; the way that biological and psychological processes act together in normal and pathological behavior and development. Clinical case material and videotapes. Open to juniors and seniors only, preferably Psychology majors and students in the Program in Human Development.

PSY477S - Biology of Nervous System Diseases

**Subject**  
PSY

**Catalog Number**  
477S

**Title**  
Biology of Nervous System Diseases

**Description**  
Primary literature investigating the underlying molecular and cellular mechanisms of nervous system disorders such as neurodegenerative diseases (Alzheimer’s, Parkinson’s, Huntington’s), mental illness, and epilepsy. Prerequisite: Neuroscience 201 or 223 or Biology 220 or consent of instructor.

PSY478S - Motivation, Action, Choice: Neural and Behavioral Mechanisms

**Subject**  
PSY

**Catalog Number**  
478S

**Title**  
Motivation, Action, Choice: Neural and Behavioral Mechanisms

**Description**  
Behavioral analysis and neural mechanisms underlying goal-directed and voluntary actions, how they are driven by needs and desires of the organism and controlled by cognitive processes that provide a rich representation of self and world. Discussion of models of behavioral and cognitive control and their neural mechanisms and implications of such models for psychiatric disorders, consciousness, free will, and responsibility. Participation in class discussion and short weekly writing assignments required. Prerequisites: Exploring the Mind courses or Prerequisite: Neuroscience 101/Psychology 106 or Neuroscience 102/Psychology 107 and at least one other psychology or neuroscience class.
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<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
<th>Description</th>
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<tbody>
<tr>
<td>PSY</td>
<td>479S</td>
<td>PSY479S - Auditory Neuroscience - From Sound to Music</td>
<td>An exploration of how sound is processed in brain, providing an introduction to stages of information processing from ears to auditory cortex and beyond. Methods of data acquisition (e.g., fMRI, electrophysiology, psychoacoustics) are introduced along with their advantages and pitfalls. Sound and auditory perception are discussed, starting with basic properties such as frequency, loudness, pitch, and timbre, progressing to human speech and music. A textbook, primary research papers and scholarly reviews are assigned. An interest in all forms of sound and music and completion of Neuroscience 201 or Neuroscience 212 are strongly recommended.</td>
</tr>
<tr>
<td>PSY</td>
<td>482S</td>
<td>PSY482S - Psychology of Imagination</td>
<td>Imagination is a core feature of human cognition, and the study of human imagination possibly one of the broadest and least unified topics in psychological science. This course, drawing on readings from cognitive psychology, neuroscience, developmental psychology, and philosophy, is for anyone interested in understanding the psychology of imagination as it functions in everyday thought and action. Topics covered: counterfactual and future thinking, mind-wandering, creativity, children's imaginary friends, pretense, and fantasy, imagination in clinical populations, and imaginations in social life (relationships, organizations, social identity). Prerequisite: Psychology 101 or 102, and one Psychology or Neuroscience course numbered 200 or higher.</td>
</tr>
<tr>
<td>PSY</td>
<td>490A</td>
<td>PSY490A - Duke Administered Study Abroad: Special Topics in Psychology</td>
<td>Topics differ by session.</td>
</tr>
<tr>
<td>PSY</td>
<td>490S</td>
<td>PSY490S - Special Topics in Psychology</td>
<td>Topics differ by section.</td>
</tr>
<tr>
<td>PSY</td>
<td>491</td>
<td>PSY491 - Independent Study</td>
<td>Individual non-research directed study on a previously approved topic under the supervision of a faculty member and resulting in a significant product that promotes understanding or application of psychological science. Senior year fall. Department consent required.</td>
</tr>
<tr>
<td>PSY</td>
<td>492</td>
<td>PSY492 - Independent Study</td>
<td>Individual non-research directed study on a previously approved topic under the supervision of a faculty member and resulting in a significant product that promotes understanding or application of psychological science. Senior year spring. Department consent required.</td>
</tr>
<tr>
<td>PSY</td>
<td>493</td>
<td>PSY493 - Research Independent Study</td>
<td>See Psychology 393. Senior year fall. Prerequisite: Two psychology courses. Consent of instructor and director of undergraduate studies required.</td>
</tr>
<tr>
<td>PSY</td>
<td>494</td>
<td>PSY494 - Research Independent Study</td>
<td>See Psychology 393. Senior year spring. Prerequisite: Two psychology courses. Consent of instructor and director of undergraduate studies required.</td>
</tr>
</tbody>
</table>
## PSY496 - Distinction Thesis Workshop

**Subject:** PSY  
**Catalog Number:** 496  
**Title:** Distinction Thesis Workshop

**Description**
This graded course unit accompanies the writing of the Graduation with Distinction thesis. It is restricted to distinction candidates, and is specifically geared at preparing students for pursuing research at the graduate school level and beyond. Topics cover all phases of research project development, scientific article writing, and poster and oral presentation. In addition, the course includes a variety of professional development sessions, introducing the students to the publication process, graduate school considerations, and grant writing. The students are required to produce several written works and oral presentation. Department consent required.

## PSY499 - Current Research in Neuroscience

**Subject:** PSY  
**Catalog Number:** 499  
**Title:** Current Research in Neuroscience

**Description**
A formal component of the Graduation with Distinction in Neuroscience plan that includes review of directed reading and research in both theoretical and experimental neuroscience. Emphasis on the development of the ability to critically evaluate empirical research and to construct mathematical or deductive/inductive models. Final project includes preparation of a formal research proposal and a review of the role of ethics in science. Enrollment in an independent study and consent of instructor required. Along with research and thesis, required for Graduation with Distinction in Neuroscience.

## PSY87 - SPIRE First Year Lecture

**Subject:** PSY  
**Catalog Number:** 87  
**Title:** SPIRE First Year Lecture

**Description**
This is a course designed for first and second year students who have agreed to join the SPIRE Fellows Program. We will provide a foundational overview of STEM education at Duke while also creating a safe space to discuss systemic inequities for women and underrepresented minorities in the sciences. Students will be encouraged to think critically about Duke campus culture and respectfully engage with their peers on issues of diversity and inclusion in science, technology, engineering, and math (STEM) initiatives.

## PSY89S - First-Year Seminar

**Subject:** PSY  
**Catalog Number:** 89S  
**Title:** First-Year Seminar

**Description**
Topics vary each semester offered.

## PSY91 - General Psychology

**Subject:** PSY  
**Catalog Number:** 91  
**Title:** General Psychology

**Description**
Broad survey of modern psychology that emphasizes biological, evolutionary, cognitive, and developmental perspectives while placing this work in its historical, social and philosophical context. This course provides credit for introductory psychology courses that are offered during summer sessions or taken at other institutions that do not meet the departmental standards for the Introductory Psychology (Psychology 101) course that is required for all majors and minors. This course does not count toward the psychology major or minor.

## PUBPOL110 - Information, Society & Culture: Bass Connections Gateway

**Subject:** PUBPOL  
**Catalog Number:** 110  
**Title:** Information, Society & Culture: Bass Connections Gateway

**Description**
Information, Society, and Culture across disciplines. How all aspects of information theory and practice, including computational and mathematical and those from social sciences and the humanities are transforming research, reframing intellectual questions in research and its application, and having an impact on interactions within societies, cultures, ideologies, economics, politics. Modules presented by faculty from all areas and schools, contrasting and comparative perspectives in research-driven modules focused on interdisciplinary project questions and ideas. Lecture/section activities. Course Gateway for the Bass Connections theme in Information, Society and Culture.
PUBPOL115FS - Human Rights: Back to The Future, Looking at Roots and Current Reality of Human Rights

**Description**
This Focus course introduces students to a brief history of rights as a way to ground our exploration of current human rights challenges and what rights may be envisioned in the future. Rights have never been static. Recent changes in how we see rights include the right to truth in post-conflict societies and animal rights. We'll explore how cutting-edge thinkers contribute to an expanded horizon of rights. We will be engaging with activists, scholars, and artists. Open only to students in the Focus Program.

PUBPOL120 - Undergraduates Internship Requirement

**Description**
Field work in a chosen policy area with pre-approval of the Internship Director. Must submit approval form, five-page memo, and self-evaluation form two weeks after internship ends. Prerequisites: Public Policy 155D, Statistical Science 199L/equivalent, and PUBPOL 301 or PUBPOL 302/equivalent, and approval from Internship Director. Instructor consent required.

PUBPOL123 - History of the Present

**Description**
Examines the history of the past forty years, focusing on the United States in a global context. Themes might include: globalization, inequality, the rise of the alt-right, climate change, the internet, and the emergence of finance and consulting. Prepares students to think historically about their own world, and gives them the opportunity to use historical methods to think about the forces shaping their lives, their families, and their potential careers. Draws on a wide variety of sources and genres: alongside more traditional academic readings, students might be exposed to digital storytelling, journalism, television, and video games.

PUBPOL125A - Undergraduate Internship

**Description**
Field work in chosen policy area with pre-approval of the Internship Coordinator: must submit approval form, five page memo, and self-evaluation. Prerequisite: Public Policy 155, 301, 302, 303 (or equivalent), Statistical Science 101, and approval from Internship Coordinator. Instructor consent required.
**PUBPOL155D - Introduction to Policy Analysis**

**Subject**
PUBPOL

**Catalog Number**
155D

**Title**
Introduction to Policy Analysis

**Description**
Gateway course introduces future leaders to the study of Public Policy through an overview of the political and social context in which public policy is made, the common obstacles to good decision-making, and several methodologies used in the field of Public Policy. Students learn to apply these concepts to real-world issues through a series of case-study-driven memos and assignments that introduce enduring problems, landmark policies, and contemporary issues in a topical concentration of their choice. Appropriate for students at any level (freshmen to seniors) and designed for both prospective public policy majors and non-majors with a general interest in public policy.

**PUBPOL160 - Intro to the History of Modern Warfare**

**Subject**
PUBPOL

**Catalog Number**
160

**Title**
Intro to the History of Modern Warfare

**Description**
The course covers the history of warfare since the end of the eighteenth century. Our explorations focus on the nature and aims of European and US pursuits of war and the practices, languages, and experiences of its participants. We will pay special attention to the different ways in which militaries and civilian populations became the subjects and objects of warfare in the modern age.

**PUBPOL162 - Introduction to Human Rights: Gateway for the Human Rights Certificate**

**Subject**
PUBPOL

**Catalog Number**
162

**Title**
Introduction to Human Rights: Gateway for the Human Rights Certificate

**Description**
This is the Gateway course for the Human Rights Certificate. Students are introduced to the history, theory, practice of, and current issues in human rights. The course is interdisciplinary.

**PUBPOL165 - Introduction to the United States Health Care System**

**Subject**
PUBPOL

**Catalog Number**
165

**Title**
Introduction to the United States Health Care System

**Description**
Overview of key health policy issues in the United States. Topics include: (1) sources of morbidity and mortality; (2) access to health care; (3) financing of health care including an overview of how health insurance works, Medicare and Medicaid and why there are uninsured persons and to what effect; (4) health care quality; (5) end-of-life issues and care in advanced stage illness; (6) the role of non-profit versus for-profit ownership of health care facilities and to what effect; (8) long term care and care-giving issues; and (9) the impact of social phenomena such as income inequality, social class and culture on health care.
### PUBPOL166D - Introduction to Security, Peace and Conflict

**Subject**  
PUBPOL

**Catalog Number**  
166D

**Title**  
Introduction to Security, Peace and Conflict

**Description**  
Same as Political Science 160 except instruction is provided in two lectures and one small discussion meeting each week.

### PUBPOL167FS - Citizenship, Patriotism, & Identity

**Subject**  
PUBPOL

**Catalog Number**  
167FS

**Title**  
Citizenship, Patriotism, & Identity

**Description**  
This course introduces students to fundamental moral questions about nation states and individuals’ membership in them. Do people owe more to their compatriots than to foreigners? Is it desirable—or at least permissible—for countries to have and promote a national identity? What different forms can patriotism take, and in which (if any) of these forms is it a virtue? Should we all be ‘citizens of the world?’ These questions will be explored primarily through readings in contemporary moral and political philosophy. Open only to students in the Focus Program.

### PUBPOL170S - The Documentary Experience: A Video Approach

**Subject**  
PUBPOL

**Catalog Number**  
170S

**Title**  
The Documentary Experience: A Video Approach

**Description**  
A documentary approach to the study of local communities through video production projects assigned by the course instructor. Working closely with these groups, students explore issues or topics of concern to the community. Students complete an edited video as their final project. Not open to students who have taken this course as Film/Video/Digital 105S.

### PUBPOL171FS - Beyond Denial - A Thriving Future

**Subject**  
PUBPOL

**Catalog Number**  
171FS

**Title**  
Beyond Denial - A Thriving Future

**Description**  
Part of the Focus cluster ‘It’s Not Too Late to Build a Better World,’ requires permission. What are the roots of the climate crisis or unparalleled inequality? This course explores big ideas as well as specific models that envision a radically different future, one that provides for the common good within our given biophysical limits, including discourses such as post-growth, wellbeing, and care economics; eco-feminism; eco-anarchism; decolonization; ecological justice; and commoning. A reading and discussion intensive course that uses an interdisciplinary approach and includes elements of research, individual and group presentations, as well as a writing requirement.
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<tr>
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<tbody>
<tr>
<td>PUBPOL</td>
<td>173S</td>
<td>The Ways and Wisdom of First-Gen College Students</td>
</tr>
</tbody>
</table>

**Description**

This course examines the experience of first-generation college students, including their unique challenges, strategies, observations, and analyses. It is intended equally for students of all backgrounds and will, through the ethnographic method, train students in empathetic listening and participant-observation, as well as socially contextualized and cross-culturally comparative analysis.

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<tbody>
<tr>
<td>PUBPOL</td>
<td>175S</td>
<td>Gateway Seminar: Civil Rights and Asian Americans</td>
</tr>
</tbody>
</table>

**Description**

Study of crucial legal and political moments in the struggle for equal civil rights of minorities, beginning with the laws of Chinese Exclusion, the struggle to define who was 'White,' the Asian Immigration Exclusion Acts, the relationships of Asians and African Americans and the struggle for equal schooling in the American South, the Japanese Concentration camps, the Redress and Reparations Civil Rights struggle, and the involvement of Asian Americans in the African American-led Civil Rights Movement in the 1960s, including working with Martin Luther King and Malcolm X, and Asian Americans in the anti-sweatshop unionization movement.

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<tr>
<td>PUBPOL</td>
<td>177</td>
<td>Private Wealth and Public Giving: A Modern History</td>
</tr>
</tbody>
</table>

**Description**

Surveys the entangled relationship between private wealth and public giving over the past few centuries of capitalist modernity in Asia, Europe, and the United States. Explores how the entrepreneurial impulse to make money has also been shadowed by the ethical imperative to give it away. Analysis of the circumstances and contexts in which the apparent altruism of givers is also motivated by self-interest. The major topics include study of religious giving; the historical roots of philanthropy in the age of imperialism; the evolution of ideas of 'Trusteeship' and 'creative capitalism;' gender and philanthropy; and 'celebrity' philanthropy.

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<tr>
<td>PUBPOL</td>
<td>178</td>
<td>Israel/Palestine: Comparative Perspectives</td>
</tr>
</tbody>
</table>

**Description**

Introduction to the Israel/Palestine conflict, studied through an interdisciplinary lens, including scholarship from the fields of anthropology, environmental studies, history, geography and cultural studies. Themes include: competing nationalisms, environmental politics and resource management, peace building, refugees and displacement, humanitarian crises and challenges, representational politics. Range of primary sources will be used including human rights reports and testimonials, natural resource policies, feature and documentary film, memoirs, political treatises, and maps.
PUBPOL179FS - Neoliberalism and US Politics

Subject: PUBPOL
Catalog Number: 179FS
Title: Neoliberalism and US Politics

Description: Neoliberalism is a philosophical framework so intrinsic to contemporary US politics that it can be difficult for Americans to articulate, contemplate, and critique. In this course, we will define neoliberalism, evaluate its role in US politics and society, and discuss alternative social and political worldviews.

PUBPOL180FS - Dynamics of Environmental & Climate Justice: Movements, Countermovements, & Institutional Response

Subject: PUBPOL
Catalog Number: 180FS
Title: Dynamics of Environmental & Climate Justice: Movements, Countermovements, & Institutional Response

Description: This course examines the contentious politics of the environmental justice and climate justice movements. We explore how these movements and their opposition work to shape political opportunities and responses. We will consider the substantive concerns of the environmental justice movement, the climate justice movement, their methods, and the scales at which they operate (local, national, global). Social movements of political significance will generate opposition. So, we will consider the countermovements that challenge both justice movements. These topics will be explored using a range of materials as well as through field observations of movement activities and other events. FOCUS program students only.

PUBPOL181FS - Human Rights and World Politics

Subject: PUBPOL
Catalog Number: 181FS
Title: Human Rights and World Politics

Description: Examines the role of human rights and global justice in world politics. We will consider questions such as whether human rights are universal, what role human rights and global justice should be play in U.S. foreign policy, which strategies are most effective in promoting human rights and global justice, and which risk inciting backlash. The course will cover topics including civil and political rights; economic, social and cultural rights; genocide, torture, humanitarian intervention, and the international criminal court.

PUBPOL183FS - Medical Ethics, Aging, and End of Life Care in the US

Subject: PUBPOL
Catalog Number: 183FS
Title: Medical Ethics, Aging, and End of Life Care in the US

Description: Study of medical ethics, policy, clinical, and personal issues in working with dying and bereaved people. Focuses on diverse populations in ethnicity, culture, socioeconomic status, education, sexual orientation, and more. Various models for providing care to the dying and bereaved. Visits from medical personnel. Works to be read/viewed may include 'Me, Earl, and the Dying Girl,' Charon's 'Narrative Medicine,' Gawande's 'Being Mortal,' Tolstoy's 'Death of Ivan Ilich,' Kalanithi's 'When Breath Becomes Air,' and policy articles on end of life care and physician assisted suicide. Focus Program students only. Service-Learning course. Instructor consent required.
PUBPOL185FS - Drugs and the Law

Subject: PUBPOL
Catalog Number: 185FS
Title: Drugs and the Law

Description:
Exploration of the relationship between addictive drugs and the law. Examine mechanisms by which drugs of abuse affect the brain and decision-making on the individual level, and consequences of those effects on the societal level, then examine how society responds to these behaviors in terms of attitudes and laws. Compare perspectives of the criminal justice system with that of drug users. Class consists of lectures, discussions, guest speakers, and media presentations and a project examining cross-generational views on drug use, abuse, and laws. Open only to students in the Focus Program. Instructor consent required.

PUBPOL186FS - Ethical Implications of Genetic and Genomic Research

Subject: PUBPOL
Catalog Number: 186FS
Title: Ethical Implications of Genetic and Genomic Research

Description:
This course will examine the ethical implications raised by genetic and genomic research. Students will gain an understanding of the historical basis of human subjects' protections in the United States, the ethical pillars of research, and the issues that arise from genetics and genomics research. Case studies in genomics research will be used to illustrate various ethical implications. Readings will consist of reviews of the history of human subjects' protections, federal regulations, actual informed consent documents, and scientific papers from the primary literature. Open only to students in the Focus Program. Instructor consent required.

PUBPOL187FS - Globalization and Corporate Citizenship

Subject: PUBPOL
Catalog Number: 187FS
Title: Globalization and Corporate Citizenship

Description:
Are corporations citizens? And if so who defines their rights and responsibilities? To whom are they obligated? This course will critically examine the origins and diffusion of increasingly prevalent notions of corporate citizenship and corporate social responsibility from an anthropological perspective. Particular emphasis will be upon corporate environmental and conservation policies in East Africa and the United States. Open only to students in the Focus Program. Director of undergraduate studies consent required.

PUBPOL188FS - Economics, Policy, and Global Health

Subject: PUBPOL
Catalog Number: 188FS
Title: Economics, Policy, and Global Health

Description:
Imagine driving a car, blindfolded, with instructions from the backseat on what to do and they are rarely in agreement. How do you decide what to do, which instructions to rely on? Policy making in a fast-moving epidemic (such as the COVID-19) can often look like this. This course will help students understand: Where does data for policy come from? How is data on epidemics generated and synthesized? Why does data become controversial...what is the 'truth'? Responding to data – differences between clinical settings and population settings. How does data inform policy – or more precisely, why does it not inform policy. How can future leaders do better? Consent required.
**PUBPOL189FS - Documenting Youth Movements for Environment and Racial Justice Since 2010**

**Subject**  
PUBPOL

**Catalog Number**  
189FS

**Title**  
Documenting Youth Movements for Environment and Racial Justice Since 2010

**Description**

Immersion in the dangerous and contentious recent history of youth activism in environmental and racial justice movements worldwide. Using oral history, archival research methods, and cultural production, students explore methods for researching documenting and creating narratives of youth social activism. Historical and contemporary youth campaigns explored in this course include those to protect land, soil, air and people from pollutants in Black, Indigenous, and Global South communities. All of these movements have expanded the legal, narrative, and practical understanding of environmental and human rights in US and global frameworks.

**PUBPOL190A - Public Policy Special Topics Away**

**Subject**  
PUBPOL

**Catalog Number**  
190A

**Title**  
Public Policy Special Topics Away

**Description**

Selected topics away. Transfer grading only.

**PUBPOL190FS - Focus Program Introductory Special Topics in Public Policy**

**Subject**  
PUBPOL

**Catalog Number**  
190FS

**Title**  
Focus Program Introductory Special Topics in Public Policy

**Description**

Introductory and basic topics in public policy. Topics vary each semester. Open only to students in the Focus Program.

**PUBPOL190S - Special Topics in Public Policy**

**Subject**  
PUBPOL

**Catalog Number**  
190S

**Title**  
Special Topics in Public Policy

**Description**

Topics vary each semester.
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<tr>
<td>PUBPOL</td>
<td>196FS</td>
<td>PUBPOL196FS - Patient and Research Participant Activism and Advocacy</td>
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<td>Description: In the 1960s, patients appropriated the language and tactics of the civil rights movement to advance clinical and research agendas. Today patient activism is evolving, leading to new solutions, dilemmas, and organizational structures. This course will examine patient and research participant activism and the ways it challenges conventional notions of expertise, amateurism, 'human subjects protections,' and minimization of risk. Students will bring the tools of journalism, anthropology, humanities scholarship, public policy and community engagement/citizen science to bear on ethical and policy questions. Open only to students in the Science &amp; the Public Focus Program cluster. Department consent required.</td>
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<tr>
<td>PUBPOL</td>
<td>199FS</td>
<td>PUBPOL199FS - Imagining American Health</td>
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<td>Description: How has landmark public policy changed the health landscape in the United States and influenced the way we think and talk about health as a social fact? How has cultural expression both registered these changes and sought to influence law and policy? What debates have played out in public discourse regarding policies that impact health and how can attention to language and narrative literacy help us to understand both the potential and the limits of policy work? This course will explore these interactions between policies that impact health in its social context and cultural expression, focusing on photography, literature, and film.</td>
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<tr>
<td>PUBPOL</td>
<td>201A</td>
<td>PUBPOL201A - Environmental Policy in Europe: Duke in Berlin</td>
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<td>Description: Economic concepts and environmental policies with their application to selected environmental issues in Western and Eastern Europe, transboundary pollution problems, and the role of the European Community. Taught by a leading German expert in the Duke-in-Berlin fall semester program.</td>
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<tr>
<td>PUBPOL</td>
<td>202</td>
<td>PUBPOL202 - How to Think in an Age of Political Polarization</td>
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<td>Description: Americans today live in a time of deep political polarization, cultural tribalism, and self-segregation. To many, it feels like we’re in the middle of a cultural civil war that is turning violent. Those with whom we have deep disagreements, assuming we interact with them at all, are often viewed as not just wrong but as irrational, immoral, even contemptible. Is this a good thing? What sort of habits of mind (e.g. intellectual humility and charity) and practices should we cultivate in response to this reality in order to sustain a healthy democracy? Special attention paid to the university, cancel culture, free speech, social media, and identity politics. Lively discussion is encouraged.</td>
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**PUBPOL203 - Introduction to Engaged Citizenship and Social Change**

**Description**

Introduction to key concepts, theories, and critiques of civic engagement and social change, with a focus on competing notions of democratic citizenship. Examination of voluntarism, philanthropy, community service, political participation, social activism and other forms of community engagement. Critical reflection on ethical issues related to community engagement and social change, including critiques of progressivism and service. Students will also be asked to apply these various approaches to pressing social issues of our time, such as income inequality, environmental justice, education reform and gender and race equality.

**PUBPOL204A - Political Philosophy of Globalization**

**Description**

Examination of the claim made for and against the expansion of free exchange on economic, political, and cultural institutions and conditions, from the perspectives of competing ethical theories and political philosophies. Taught only in the Duke in Geneva Summer Study Abroad program.

**PUBPOL205 - The United States and the World, 1898 to the Present**

**Description**

Course explores the evolution of US foreign relations, from the Spanish-American War in 1898 through the challenges facing the Biden Administration. Will consider US foreign relations in a broad sense. US' political, economic, and cultural relations with other states, organizations, and individuals will all be considered, as will the role that domestic politics play in the making and execution of US foreign policy.

**PUBPOL206S - Introduction to Engaged Citizenship and Social Change (Gateway Course)**

**Description**

Introduction to key concepts, theories, and critiques of civic engagement and social change, with a focus on competing notions of democratic citizenship. Examination of voluntarism, philanthropy, community service, political participation, social activism and other forms of community engagement. Critical reflection on ethical issues related to community engagement and social change, including critiques of progressivism and service. Students will also be asked to apply these various approaches to pressing social issues of our time, such as income inequality, environmental justice, education reform and gender and race equality. Consent of instructor is required.
**PUBPOL207 - Development and Africa**

**Subject**  
PUBPOL

**Catalog Number**  
207

**Title**  
Development and Africa

**Description**  
Addresses the vexed issue of economic development in Africa - its many failures, its occasional successes - from the early colonial period to the present. Focuses especially on the transition from the 1960s 'modernizing' moment to the millennium projects and humanitarian aid of the present. Will read the works of development experts, World Bank executives, anthropologists and historians, asking why this massively financed project has experienced such failure and exploring what can be done.

**PUBPOL208S - Language and Politics: Global Perspectives**

**Subject**  
PUBPOL

**Catalog Number**  
208S

**Title**  
Language and Politics: Global Perspectives

**Description**  
We will never speak a single language, or agree on the best way to organize society and politics for 'the good life.' How do macro-politics affect the language(s) we choose to speak? What public policy initiatives can be deployed so that language is an accessible resource for all? Are there such things as language rights, and how can they be distributed and defended? These questions are not just academic, but essential to understanding the world(s) that we inhabit. This course takes a global and historical approach to the politics of language, examining the relationships between language, society, and the state.

**PUBPOL209S - Human Rights and Legal Redress: Seeking Justice through Human Rights**

**Subject**  
PUBPOL

**Catalog Number**  
209S

**Title**  
Human Rights and Legal Redress: Seeking Justice through Human Rights

**Description**  
In this course, students will analyze through case studies the issues that confront the implementation of human rights ethics down through the layers separated by geography and culture to local implementation and enforcement. They will acquire an understanding of the international, regional and local human rights conventions and structures which propose, cultivate and enforce the ethical norms of the international human rights regime. This class addresses questions including: in what respects do enforcement options differ from place to place? When, where and under what circumstances is the human rights apparatus most effective in providing redress for rights violations? And, what are the alternatives to the human rights approach to justice?

**PUBPOL210A - Frontier City Berlin: Facing History's Great Challenges**

**Subject**  
PUBPOL

**Catalog Number**  
210A

**Title**  
Frontier City Berlin: Facing History's Great Challenges

**Description**  
This course deals with some of the great challenges and conflicts of the 20th and 21st century, such as capitalism vs. communism; authoritarian vs. democratic governance, and focuses on Berlin as a city at the forefront of historic struggles. In particular, it treats Berlin as the site of the first socialist revolution in a highly industrialized nation (1918/19); the rise of fascism amidst an advanced urban culture, the legacy of world war and totalitarian rule; the Cold War division of Berlin; the fall of communism and the crises of capitalism; and the search for an environmentally sustainable future. Offered in English in the Duke-in-Berlin summer program.
PUBPOL211-20 - Engineering Sustainable Design and the Global Community: Structural Focus

Subject: PUBPOL  
Catalog Number: 211-20  
Title: Engineering Sustainable Design and the Global Community: Structural Focus

Description: Design and testing of solutions to complex interdisciplinary design products in a service-learning context with a focus on structural products. Technical design principles; sustainable and engineering best practices; prototype formation, testing and evaluation; and establishment of research and analysis methodologies in a community-based research experience. Working in partnership with a community agency (local, national, or international) and participation in an experimental learning process by engineering a design solution for an identified community need. Evaluation focused on design deliverables, fabricated prototypes and a critical reflection of the experimental learning process.

PUBPOL211-60 - Engineering Sustainable Design and the Global Community: Environmental Focus

Subject: PUBPOL  
Catalog Number: 211-60  
Title: Engineering Sustainable Design and the Global Community: Environmental Focus

Description: Design and testing of solutions to complex interdisciplinary design products in a service-learning context with a focus on structural products. Technical design principles; sustainable and engineering best practices; prototype formation, testing and evaluation; and establishment of research and analysis methodologies in a community-based research experience. Working in partnership with a community agency (local, national, or international) and participation in an experimental learning process by engineering a design solution for an identified community need. Evaluation focused on design deliverables, fabricated prototypes and a critical reflection of the experimental learning process. Prerequisite: Engineering 201L or Electrical and Computer Engineering 110L or consent of instructor.

PUBPOL212 - Globalization and Public Policy

Subject: PUBPOL  
Catalog Number: 212  
Title: Globalization and Public Policy

Description: How the various aspects of globalization effect and are affected by public policy at the international, national and local levels. Development of an analytic framework for thinking about globalization and its core concepts, major institutions and political dynamics; survey of a range of major policy areas affected by globalization; focus on a policy area of particular interest.

PUBPOL213S - Arts Policy, Leadership, and Engagement

Subject: PUBPOL  
Catalog Number: 213S  
Title: Arts Policy, Leadership, and Engagement

Description: This community-engaged course provides an introduction to contemporary issues in US arts policy and cultural sector leadership across four broad themes: creative institutions; cultural equity and accessibility; creative placemaking/community development; and the creative economy. In addition to policy questions in these areas, we examine leadership practices in arts organizations and cultural institutions, with particular attention to the kinds of leadership the arts require in a post-2020 world. Students will work in teams on a semester-long collaborative project with an arts policy organization and experience the arts in practice through attendance at performances and exhibitions.
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**PUBPOL214S - South African Past and Present**

**Description**
Explores the history of modern South Africa from the beginning of the mineral revolution in the 1860s to the post-apartheid present. We will cover mining-centered industrialization, the emergence of Afrikaner and African nationalism, segregationist ideology, and the construction of apartheid. We will examine the plethora of anti-apartheid struggles, and the regional and wide-ranging global efforts to end apartheid and usher in democracy. The establishment and promise of multi-party democracy, the AIDS epidemic, and the reemergence of social movements are all topics we will consider and we will conclude by reflecting on the place of South Africa as a regional, continental, and world power.

**PUBPOL215S - Just Work: Restorative Justice Models and Applications**

**Description**
Rooted in ancient practices from indigenous cultures & religious texts, Restorative Justice (RJ) has gained interest as a means to reform the modern justice system and manage wrongdoing in schools and workplaces. This course takes an interdisciplinary approach to consider RJ as an alternative to typical retributive justice models. Examines RJ theory, RJ diversion programs, & the strengths and limitations of RJ's application, including Victim-Offender Mediated Dialogues, Community Conflict Councils, and Truth & Reconciliation Commissions. Asks: does RJ offer the paradigm shift our society needs to address the failings in our justice systems in our communities, institutions, & personal lives?

**PUBPOL217SA - Theory and Practice: People, Places and Policy Cases**

**Description**
Talks by Congress members, legislative staff members, interest group leaders, journalists, and other members of the public policy community in Washington. Visits to government buildings, historical sites, and other policy-rich attractions in the nation's capital. Discussion and written assignments require analysis and linkages between 'real world' of policy practice and theories and concepts from political science and public policy studies. Offered through the Duke in DC program.

**PUBPOL218S - Conflict Analysis in Africa (Case Studies)**

**Description**
Utilizes four case studies to outline components of conflict analysis in Africa. Examines regional crisis nexus between Darfur, Chad and Central African Republic. Looks at issues of postcoloniality, autochthony, migration, citizenship, land tenure, and inequality. On a theoretical level, identifies potentially crosscutting, deeper layers of contemporary crises in Africa with the objective of establishing a series of templates, a ‘protocol’, for comparative conflict analysis and conflict management in Africa.
PUBPOL219D - The Modern Regulatory State

Subject: PUBPOL
Catalog Number: 219D
Title: The Modern Regulatory State

Description: Interdisciplinary inquiry into the origins/evolution of modern regulatory institutions in Western Europe and North America, along with the more recent rise of global regulatory bodies. Examines conceptual frameworks from across the social sciences, and considers the ethical dimensions of current debates over regulatory purposes, strategies, and policies in areas such as finance and the environment.

PUBPOL220 - Immigrant Dreams, U.S. Realities: Immigration Policy History

Subject: PUBPOL
Catalog Number: 220
Title: Immigrant Dreams, U.S. Realities: Immigration Policy History

Description: Immigrants and immigration policy in the United States from 1850 to the present, with focus on origins and power of immigrant exclusion during three waves of migration: Northern European and Asian migrations between 1850 and 1880, Eastern European, Latin American, and Asian migrations, 1880-1920, and Latin American, African, and Asian migrations, post 1965. Immigrant roles in shaping policy debates, citizenship rights, labor movements, and American culture, past and present.

PUBPOL222 - International Political Economy

Subject: PUBPOL
Catalog Number: 222
Title: International Political Economy

Description: Examination of the politics of international economic relations from the perspective of both advanced industrialized and developing countries. Focus on international trade, money and finance; multinational corporations and global value chains; foreign aid and the politics of development; distributional consequences of economic globalization; and the role of power and institutions in the governance of world economy.

PUBPOL223 - Global Russia

Subject: PUBPOL
Catalog Number: 223
Title: Global Russia

Description: This course will examine the process of globalization of Russian culture and institutions as manifested in political, economic, and legal institutions; religion; education; popular and academic cultural forms, including media and artistic texts, film, theatre and television; diplomacy; reproductive rights; health care; the role of censorship; views of citizenship, patriotism, and sport. We will evaluate the ethical issues, potential shift of cultural values, and their impact on 21st century Russian institutions.
PUBPOL224 - Russia in the World: From Cold War to Putin’s Wars

**Subject**
PUBPOL

**Catalog Number**
224

**Title**
Russia in the World: From Cold War to Putin’s Wars

**Description**
Traces evolution of Russian Federation foreign policy from the collapse of the Soviet Union at the beginning of the 1990s to the 2022 war in Ukraine. Examines elements of Russian grand strategy: military, economic (especially oil and gas), and diplomatic tools. Explores the role of one individual, President Vladimir Putin, in shaping policy in an increasingly autocratic state. Focuses on Russia’s relations with its neighbors, former allies, Europe, and the wider world, including the United States. Identifies linkages between domestic politics and events and foreign policy. Assignments focus on translating historical knowledge into actionable policy advice to meet current challenges.

PUBPOL226S - From Al-Qaeda to ISIS: Understanding Terrorism, its Roots, Responses, and Ramifications

**Subject**
PUBPOL

**Catalog Number**
226S

**Title**
From Al-Qaeda to ISIS: Understanding Terrorism, its Roots, Responses, and Ramifications

**Description**
Focus on Al-Qaeda as the preeminent terrorist group of contemporary militant Islam, its roots, ideology, and offshoots such as ISIS and other similar groups in Asian and Africa. Examination of Al-Qaeda’s ideology, political culture, and development through exploring the origins and the narrative discourse of modern Islamic organizations dating back to the Salafi Movement of the nineteenth century. Presentation of the patterns and ramifications of terrorist activities. Use critical thinking in order to differentiate Muslim proper narrative discourse from that of Al-Qaeda and its affiliated groups.

PUBPOL227 - Women and the Political Process

**Subject**
PUBPOL

**Catalog Number**
227

**Title**
Women and the Political Process

**Description**
A systematic analysis of the U.S. political system, electoral politics, platform implications, and leadership trends in the context of women’s role in political life, as voters, leaders, and citizens.

PUBPOL228 - Politics of Authoritarian Regimes

**Subject**
PUBPOL

**Catalog Number**
228

**Title**
Politics of Authoritarian Regimes

**Description**
Examine the variety of ways in which authoritarian regimes operate. Study the emergence and persistence of authoritarian regimes, the institutions they adopt, leadership change, government/opposition relations, their potential for democratic transition as well as the theories that explain these outcomes.
### PUBPOL228S - Documentary and Policy: How Documentary Influences Policy

**Subject** | PUBPOL  
---|---
**Catalog Number** | 228S  
**Title** | Documentary and Policy: How Documentary Influences Policy  

**Description**
Examines documentaries as catalysts for change in local, state, and federal laws and regulations, with special attention to relationships between film and organizations with political influence. Looks at how documentaries have altered public sentiment and political outcomes. Uses case studies of documentary films (essay-style, journalistic, information-driven films; narrative, story-driven films; propaganda; art films; and hybrids of all of the above). Explores the question of how a film achieves influence: for example, with a high-profile theatrical and/or television release, by utilization as an educational tool, or by ‘going viral’ to become part of a public conversation.

### PUBPOL229 - The Good Life: Religion, Philosophy, and Life’s Ultimate Concerns

**Subject** | PUBPOL  
---|---
**Catalog Number** | 229  
**Title** | The Good Life: Religion, Philosophy, and Life’s Ultimate Concerns  

**Description**
What does it look like for a human life to go well? What leads to human flourishing or ‘happiness’ or ‘success’? What is freedom? Love? Justice? What is the basis for ethics? What is our relationship to the natural world? What is the significance of death? How do our beliefs (or lack thereof) about God or the gods shape how we view the world? We will examine how philosophical or religious traditions around the globe have answered life’s biggest questions. Traditions may include Confucianism, Islam, Christianity, Stoicism, Judaism, Buddhism, Hinduism, scientific naturalism, expressive individualism, and utilitarianism. Part of the Transformative Ideas Sophomore Program.

### PUBPOL230 - Just Laws: Inequalities in the U.S. Legal System

**Subject** | PUBPOL  
---|---
**Catalog Number** | 230  
**Title** | Just Laws: Inequalities in the U.S. Legal System  

**Description**
Introduction to the study of law as a social institution. Investigates how legal rules reflect and shape historical contexts, ethical values, social interactions, economic conditions, and political conflicts. Focuses on how and why laws create and maintain hierarchies of privilege and disadvantage by race, social class, gender, sexuality, nationality, and age. Collaborative research and classroom learning applied to analysis of currently debated legislation. Development of information resources for stakeholders and decision-makers.

### PUBPOL231 - Human Rights in Theory and Practice

**Subject** | PUBPOL  
---|---
**Catalog Number** | 231  
**Title** | Human Rights in Theory and Practice  

**Description**
The nature and value of human rights; examining some major debates over their status and meaning and assessing the role which the idea of human rights has played in changing lives, practices, and institutions. Questions considered include: whether commitments to human rights depend on a belief in moral truth; whether the idea of universal human rights makes sense in a culturally diverse world; and what forms of social action are most likely to achieve respect for human rights.

### PUBPOL232 - The Insurgent South: Movements for Social Change

**Subject** | PUBPOL  
---|---
**Catalog Number** | 232  
**Title** | The Insurgent South: Movements for Social Change  

**Description**
Social movements in the South from Reconstruction to the present. Includes Populism, Women’s Suffrage, the Interracial Movement, labor, civil rights, post-1960s conservatism, environmental justice, and LGBTQ activism. Attention to public policy positions espoused by social movement organizations and activists.

### PUBPOL232S - The Insurgent South: Movements for Social Change

**Subject** | PUBPOL  
---|---
**Catalog Number** | 232S  
**Title** | The Insurgent South: Movements for Social Change  

**Description**
Social movements in the South from Reconstruction to the present. Includes Populism, Women’s Suffrage, the Interracial Movement, labor, civil rights, post-1960s conservatism, environmental justice, and LGBTQ activism. Attention to public policy positions espoused by social movement organizations and activists.
PUBPOL234 - Religion and Foreign Policy

Subject: PUBPOL
Catalog Number: 234
Title: Religion and Foreign Policy

Description: Examines ways in which religious ideas, identities, and actors impact the foreign policy actions of states. Topics include just war theory, religious nationalism, public opinion, elites, and faith-based approaches to peacebuilding. Focus on theory as well as comparisons of contemporary case studies. Cases include United States, Turkey, India, Israel, Iran, and Russia and explore various elements of the five major world religions. Major assignments: ongoing blog, policy brief, and final group video project.

PUBPOL235 - Risk

Subject: PUBPOL
Catalog Number: 235
Title: Risk

Description: Simply put, risk is 'the possibility of something bad happening.' Defined in this way, increased attentiveness to risk has the potential to be paralyzing because it is present in nearly every aspect of human existence. This course, organized by the Duke Center on Risk, capitalizes on this ubiquity by bringing together ideas and approaches from all corners of the university. A unifying perspective is the recognition that risk involves elements of both chance ('possibility') and value ('something bad'). Therefore, students will learn the languages of probability and economics within the cultural settings of public policy, law, engineering, business, and medicine.

PUBPOL236 - Globalization and History

Subject: PUBPOL
Catalog Number: 236
Title: Globalization and History

Description: Examination of globalization issues in a historical perspective. Reviews phenomena, institutions, e.g. empires, states, religion, corporation, and international agencies, and policies which enabled exchange of commodities, people, and cultures. Explores empirical evidence on growth and development for different world regions and historians’ and social scientists’ interpretations. Examines benefit of maintaining fine balance between quantitative evidence and historical analysis in assessing waning international integration of societies, markets, and cultures from first wave of European expansion to the present.

PUBPOL242S - Child Policy Research

Subject: PUBPOL
Catalog Number: 242S
Title: Child Policy Research

Description: Major developmental stages of childhood and influences in a child’s life: parents/family life, schools, communities, and the economy. Emphasis on 1) applying theory for analyzing complex societal problems (often involving issues of race, class, and gender); 2) using material and methodologies from psychology, sociology, economics, and public policy. Required course for certificate program Child Policy Research, but open to all undergraduate students.

PUBPOL243S - Children, Schools, and Society

Subject: PUBPOL
Catalog Number: 243S
Title: Children, Schools, and Society

Description: The processes by which children are educated in the United States. Ways children acquire through schooling social skills, moral values, and a sense of their role in society. Evaluation of the appropriateness of these goals for schooling, how schooling shapes children’s development, and how the education policies that sanction these processes are formed. Application of theory and research for solving complex societal problems that confront children, schools, and communities. Required participation in service-learning.

PUBPOL245 - Promising Paradigms: Issues and Innovations in American Classrooms

Subject: PUBPOL
Catalog Number: 245
Title: Promising Paradigms: Issues and Innovations in American Classrooms

Description: Examination of promising educational initiatives and reform efforts, analysis of federal and state mandates and policies concerning educational issues, and exploration of innovative ideas and programs designed to advance classrooms into the 21st century. Focus given to the ethical and political implications of reforming America’s schools within the context of policy development. Note: This is an online course with both synchronous and asynchronous components. Contact the instructor for additional information. Consent of instructor required.
### PUBPOL246 - Public Policy, Political Power, and Social Change

**Subject** | PUBPOL  
---|---
**Catalog Number** | 246  
**Title** | Public Policy, Political Power, and Social Change  
**Description**
Course asks how public policies influence who has political power in the United States. Investigate how policy design and implementation creates, reproduces, or mitigates political inequality for individuals and groups. Consider how policy design can be used to build political power to facilitate social change, especially for historically marginalized communities. We will do so in the context of key issues like voting rights, criminal justice, immigration, housing, healthcare, predatory lending, and others. Students will also learn to conduct original survey experimental research (no previous experience required).

### PUBPOL247 - American Constitutional Development and Interpretation II: Individual Rights

**Subject** | PUBPOL  
---|---
**Catalog Number** | 247  
**Title** | American Constitutional Development and Interpretation II: Individual Rights  
**Description**
Historical, political, and doctrinal introduction to the primary themes of constitutional protection of individual rights in the United States: judicial review, state action, incorporation, fundamental rights (e.g., marriage, contraception, abortion, and speech), and equal citizenship (i.e., discrimination on the basis of race, sex, and sexual orientation). Special emphasis on: (1) the shaping and reshaping of constitutional rights through cultural and political conflict; (2) basic methods of constitutional interpretation and (3) relationships among constitutional text, judicial doctrine, and robust practices of constitutional interpretation outside the courts.

### PUBPOL248S - History of Political Nonviolence

**Subject** | PUBPOL  
---|---
**Catalog Number** | 248S  
**Title** | History of Political Nonviolence  
**Description**
In this seminar, we will investigate cases of peaceful resolutions of intractable conflicts during the 20th century as alternatives to tactics of warfare and counter-terrorism. The focus will include the dissolution of the Soviet Union and its Eastern European subordinate states; the end of British rule in India, the transition from the apartheid regime in South Africa; the plebiscite ending the Pinochet dictatorship in Chile; the accords ending the violence in Ireland; and the successful nonviolent strategies of the civil rights movement in the U.S.

### PUBPOL249 - Life Within Capitalism: A History of its Values, Measures and Struggles

**Subject** | PUBPOL  
---|---
**Catalog Number** | 249  
**Title** | Life Within Capitalism: A History of its Values, Measures and Struggles  
**Description**
Examination of how capitalism has profoundly shaped people's ethical values, with focus on United States. Investigates central developments behind history of capitalism; explores key struggles that led to formation of capitalist logic (choices, values, goals); traces impact of capitalist goals and measures on ethical values and choices; examines discussions about possible future developments within capitalism.
PUBPOL250FS - Law, Ethics & Responsibility

Subject: PUBPOL  
Catalog Number: 250FS  
Title: Law, Ethics & Responsibility

Description:
Examines the intersection of law and neuroscience, including the use of neuroimaging to determine if a witness is telling the truth; the implications of neuroscience for determining the mental competency of defendants, the insanity defense, the imposition of punishment on defendants. Considers the extent to which recent advances in brain science cause us to reevaluate fundamental legal concepts of 'intent,' 'insanity,' and responsibility; the ways in which neuroscience may be applied to these and related issues; and the inherent limitations and incongruities of applying brain science to legal questions.

PUBPOL251 - American Constitutional Development and Interpretation I: The Constitutional Structure

Subject: PUBPOL  
Catalog Number: 251  
Title: American Constitutional Development and Interpretation I: The Constitutional Structure

Description:
Introduction to primary themes of American constitutional structure (judicial review, democracy, federalism, and separation of powers), their shaping and reshaping through cultural conflict over course of American history, and basic methods of constitutional interpretation (text, structure, history, precedent, consequences, identity, and aspirationalism). Special focus on relationships among constitutional text, judicial doctrine, and constitutional interpretation outside the courts.

PUBPOL252 - Amazon.com and the Cybereconomy

Subject: PUBPOL  
Catalog Number: 252  
Title: Amazon.com and the Cybereconomy

Description:
This course will introduce students to the complexities and controversies around the meteoric growth of the digital economy, with a focus on the biggest company of them all, Amazon. We will examine questions that range from labor conditions and consumerism to data harvesting, algorithmic marketing, and monopoly concerns. By drawing on insights from cultural anthropology, economics, history, and other disciplines, the course will give students a new understanding of how e-commerce is changing the structure of our economy, society, and everyday lives. Students will do an individual research project on some aspect of Amazon for a final project.

PUBPOL253 - Martin Luther King and the Prophetic Tradition

Subject: PUBPOL  
Catalog Number: 253  
Title: Martin Luther King and the Prophetic Tradition

Description:
Situates Martin Luther King as a preacher in the black Christian tradition with a liberationist reading. Traces the movement from civil rights to opposition to economic injustice, war, and militarism. Analyzes what the prophetic voices of today have to say about issues of poverty, racism, environmental destruction, militarism, homophobia, drones, sexism.
PUBPOL255 - Introduction to Cyber Policy

Subject: PUBPOL  
Catalog Number: 255  
Title: Introduction to Cyber Policy

Description
Policy and technical elements of activity in cyberspace will continue to impact and shape global society. Provide a basic understanding of fundamental of cyber technologies and threats, national and international cyber policies and frameworks, and key topical issues in cyber. Students will be required to complete a written mid-term based on lectures and readings, present short classroom briefings, and engage in class discussions. The final will be a capstone written and oral presentation on a realistic cyber scenario applying knowledge from classwork and their own research. No prior skills or knowledge is required.

PUBPOL256 - Social Innovation

Description
This course will provide an introduction to the field of social innovation. Through readings, classroom discussion, experiential learning, and individual and team assignments, the course will provide students with concepts and frameworks for understanding and practicing effective social innovation. The course develops a theory of innovation and describes examples of persons and organizations demonstrating innovative approaches. We will look at how to innovate effectively and the attributes and skills that cultivate such innovation. We will also explore the limitations of social innovation and consider critical arguments that the field must address.

PUBPOL257S - Shakespeare & Financial Markets: Why This Time is Never Different

Subject: PUBPOL  
Catalog Number: 257S  
Title: Shakespeare & Financial Markets: Why This Time is Never Different

Description
Course discusses how lessons from Shakespeare’s plays can provide insight into human behavior in today’s financial markets. Plays will include Hamlet, Julius Caesar, Twelfth Night, and others. Lessons about policy errors, cultural and political dislocation, regime changes, demographic conflicts etc. in current financial and macroeconomic environments. Discussion will include human biases in decision-making, and how these transcend cultural and historic boundaries. An important component of this class is understanding how to integrate themes from classical literature to better understand current socioeconomic trends.

PUBPOL258AS - Science, Ethics, and Society

Subject: PUBPOL  
Catalog Number: 258AS  
Title: Science, Ethics, and Society

Description
Major recent public debates involving science, ethics, and policy in Britain and the United States. Exploration of issues ranging from stem cell research and global warming to health care policy and the teaching of evolution, as differently framed in the two countries. Examination of scientific, philosophical, and theological dimensions of such controversies, and how their manifestations in the public realm illuminate the relationships between scientists and laypersons, academic and popular culture, and public attitudes toward government and regulation. Open only to students in the Duke in Oxford program. Instructor consent required.
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**PUBPOL259S - Women as Leaders**

**Subject:** PUBPOL  
**Catalog Number:** 259S  
**Title:** Women as Leaders  

**Description:**
Explore the long history of women's activism in the United States, and how that history has shaped current debates about women leaders. Explore the variety of ways that women exercise leadership not just in party politics and corporations, but in neighborhoods, schools, and unions among other places. Learn about theories of leadership and connect theory to practice through the process of articulating your own theory of change for your leadership journey. All are welcomed.

**PUBPOL260S - Leadership, Policy, and Change**

**Subject:** PUBPOL  
**Catalog Number:** 260S  
**Title:** Leadership, Policy, and Change  

**Description:**
Seminar will examine the implications of declining trust in our institutions for leadership in the 21st Century. Considers this country's rich tradition of skepticism about its public institutions, as well as the vital role that societal trust has played in allowing leaders to craft and carry out meaningful public policy, dispense justice, and effect social change. Studies contemporary case studies and the role of increasing political polarization, seeking to understand why some institutions have maintained public confidence while others have not, and whether trust in the latter can be restored.

**PUBPOL261SA - Whose Democracy? Participation and Public Policy in the United States**

**Subject:** PUBPOL  
**Catalog Number:** 261SA  
**Title:** Whose Democracy? Participation and Public Policy in the United States  

**Description:**
Overview of patterns in Americans' engagement in and disengagement from civic life. Theories of why people do (and do not) participate. Differences across lines of gender, race, ideology, generation, and class. Role of American interest groups and social movements in policy change. Influence of public policies (e.g., federal tax laws, participation requirements, programs such as AmeriCorps) on civic and political participation. Implications for equality, voice, and the health of American democracy. Classroom discussion; guest speakers; short memos. Offered through the Duke in DC program.

**PUBPOL262S - Ethical Dimensions of Environmental Policy**

**Subject:** PUBPOL  
**Catalog Number:** 262S  
**Title:** Ethical Dimensions of Environmental Policy  

**Description:**
Uses case studies from different arenas of environmental policy (e.g., climate and clean air, water and waste, forests, oceans, energy) to surface normative assumptions often implicit in policy design and implementation. Links ethics to ethos (beliefs, aspirations, and spirit of a community or culture) to suggest that policies are not only pragmatic guidelines for decision-making and action, but also fundamental declarations concerning the character of human flourishing and the shape of the natural world, which is why environmental policies are often so contentious. Seeks to help students understand this aspect of environmental policy and to negotiate these deep-seated ethical conflicts.
### PUBPOL263S - Leading In and With Community

**Subject**: PUBPOL  
**Catalog Number**: 263S  
**Title**: Leading In and With Community

**Description**
As the gateway course for Service Opportunities in Leadership (SOL), this class explores the theory and practice of ethical community engagement, as well as frameworks for leadership that enable social change to flourish within communities. In preparation for SOL summer experiences, students will create ethical community engagement memos articulating their commitments to living into their values, honoring community self-determination, and acknowledging their social location when choosing how to exercise their citizenship in communities. Foundational texts for this class will be narrative stories, guest interviews, and case studies. Students will practice reflective and reflexive writing.

### PUBPOL264S - Social Entrepreneurship and the Arts

**Subject**: PUBPOL  
**Catalog Number**: 264S  
**Title**: Social Entrepreneurship and the Arts

**Description**
Will identify and explore the power of the arts to affect positive social change, and train in creative social entrepreneurship. Will learn the fundamentals of nonprofit management, develop personal leadership skills, and create work products that will set them on their path as entrepreneurs and leaders in social change through the arts. Project includes building a company based on their innovative idea for social change in the arts by creating vision and mission statements, company core values, strategic plans, logic models, evaluation plans, marketing and fundraising plans, and a pitch-deck.

### PUBPOL265S - Enterprising Leadership

**Subject**: PUBPOL  
**Catalog Number**: 265S  
**Title**: Enterprising Leadership

**Description**
The central goal of Enterprising Leadership is to provide students with analytical competence, enterprising leadership identity, and personal agency important to exercising leadership in organizations, in communities, and in life. The course explores the many facets of leadership and leadership development including the processes by which people affect change in a variety of roles and situations. Leadership within a framework of ethics, values, and innovative action are emphasized as a basis for contributing to the process of making good things happen without reliance on formal authority. This is not a traditional course in leadership studies or leading organizations.

### PUBPOL266S - Critical Pedagogy of Hip Hop

**Subject**: PUBPOL  
**Catalog Number**: 266S  
**Title**: Critical Pedagogy of Hip Hop

**Description**
This course examines the role of critical pedagogy in developing learning environments that engage and empower youth. Emphasis is placed on the context of Hip Hop as a foundation for instructional decision-making and social justice advocacy/activism. Students will explore the historical and socio-cultural foundations of education initiatives, teaching and learning strategies, federal and state mandates and educational policy issues that contribute to marginalization. Innovations, interdisciplinary collaboration and community programs designed to strengthen schools and communities will be highlighted.
PUBPOL267S - Global Cold War

Subject: PUBPOL  
Catalog Number: 267S  
Title: Global Cold War

Description
Traditional narratives of the Cold War focus on a bi-polar series of conflicts that pit the United States against the Soviet Union in a good-versus-evil battle for global political and military supremacy. This course destabilizes this account of a process that affected every continent on earth – and even reached into space – over the period of more than half a century. It explores the Cold War from East-West, North-South, global, and interstellar perspectives. In addition to political and military issues, the course will also discuss the Cold War in social, cultural, intellectual, and economic spheres.

PUBPOL269S - The US Intelligence Enterprise

Subject: PUBPOL  
Catalog Number: 269S  
Title: The US Intelligence Enterprise

Description
Course will explore the intelligence discipline through examination of the US Intelligence Enterprise. Students will review pivotal intelligence policies, the organizational design of the US intelligence apparatus, and contemporary ethical issues associated with intelligence collection, both foreign and domestic. Through teams projects and active learning exercises, students will gain exposure to the sub-disciplines of intelligence collection and intelligence analysis. Open to undergraduate sophomores and juniors.

PUBPOL270S - Lead the Way Durham: Civic Engagement, Social Innovation, and Community Leadership in the Bull City

Subject: PUBPOL  
Catalog Number: 270S  
Title: Lead the Way Durham: Civic Engagement, Social Innovation, and Community Leadership in the Bull City

Description
Let's explore how Durhamites shape and are shaped by the local policy environment and the creativity they employ to address social/civic issues in Durham. Who defines community? How does that inform our community participation? What are the core tenets of ethical community engagement? How do we implement them in our daily lives? How do geography, race, class, power, and privilege influence our conception of engagement? We’ll learn from leaders in education, housing, government, criminal justice, and food security, and leave the classroom to discuss with Durham locals. Through active participation and mindful reflection, students refine their personal models of social change. All are welcome.

PUBPOL272S - Overlooked Children: Topics of Equity and Access in Gifted Education

Subject: PUBPOL  
Catalog Number: 272S  
Title: Overlooked Children: Topics of Equity and Access in Gifted Education

Description
The underrepresentation of certain groups in gifted programs persists. This course will examine the enrollment disparities that exist in gifted and advanced programs, critically review the assessment practices used to identify gifted students, and explore educational policy designed to reconcile equity and access issues in education. A variety of partners will host students for the service-learning component for this course. Potential partners include, but are not limited to, local schools, non-profit organizations, and research centers focusing on equity and access issues in education.
<table>
<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>PUBPOL</td>
<td>273T-1</td>
<td>Voices in Public Policy: Spanish Tutorial</td>
<td>Students explore how language and culture impact public policy and practice. Through authentic texts, video, and case studies in Spanish, students analyze policy issues in the Latino/a community to develop their understanding of core issues in the field. 1/2 credit. Satisfactory/Unsatisfactory. Tutorials meet for 75 minutes/week. Taught in Spanish. Prerequisite: 4 semesters of equivalent of Spanish.</td>
</tr>
<tr>
<td>PUBPOL</td>
<td>273T-2</td>
<td>Voices in Public Policy: French Tutorial</td>
<td>Students will explore how language and culture impact public policy and practice. Through authentic text, video, and case studies in French, students will analyze public policy issues in the French-speaking world, in order to develop their understanding of core issues in the field. 1/2 credit. S/U. Tutorials meet for 75 minutes/week. Taught in the target language.</td>
</tr>
<tr>
<td>PUBPOL</td>
<td>273T-3</td>
<td>Voices in Public Policy: Mandarin Chinese Tutorial</td>
<td>Students will explore how language and culture impact public policy and practice. Through authentic text, video, and case studies in Chinese, students will analyze public policy issues in the Chinese-speaking world, in order to develop their understanding of core issues in the field. 1/2 credit. S/U. Tutorials meet for 75 minutes/week. Taught in the target language.</td>
</tr>
<tr>
<td>PUBPOL</td>
<td>273T-4</td>
<td>Voices in Public Policy: Russian Tutorial</td>
<td>Students will explore how language and culture impact public policy and practice. Through authentic text, video, and case studies in Russian, students will analyze public policy issues in the Russian-speaking world, in order to develop their understanding of core issues in the field. 1/2 credit. S/U. Tutorials meet for 75 minutes/week. Taught in the target language.</td>
</tr>
<tr>
<td>PUBPOL</td>
<td>275</td>
<td>United States Environmental Policy</td>
<td>An overview of the major environmental legislation in the United States. Topics include: air and water pollution, hazardous waste, agriculture, wildlife, and institutions. Political, economic, ethical, and scientific analysis. Open to juniors or seniors or by consent of instructor.</td>
</tr>
<tr>
<td>PUBPOL</td>
<td>275D</td>
<td>United States Environmental Policy</td>
<td>An overview of the major environmental legislation in the United States. Topics include: air and water pollution, hazardous waste, agriculture, wildlife, and institutions. Political, economic, ethical, and scientific analysis. Open to juniors or seniors or by consent of instructor.</td>
</tr>
</tbody>
</table>
**PUBPOL276S - Masculinities & Global Politics**

**Subject:** PUBPOL  
**Catalog Number:** 276S  
**Title:** Masculinities & Global Politics  

**Description**  
The course uses readings and films to examine masculinities historically and transnationally, including a unit on masculinities in US politics; draws from history, sociology, feminist geography, popular culture studies, Black studies, and sexuality and queer studies; interactive lectures and guest scholars. Each student is guided to complete an interview-based research project with three male-identified persons of multiple generations which serves in lieu of a final exam.

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**PUBPOL277S - Sexuality and the Law**

**Subject:** PUBPOL  
**Catalog Number:** 277S  
**Title:** Sexuality and the Law  

**Description**  
This course will introduce students to legal and ethical issues at the intersection of law, gender, and sexuality. The course will use interpretive methods used in jurisprudence, as well as conceptual tools developed by feminist, critical race, and queer theorists, to explore such issues as the criminalization of gay sex, the equal protection of all persons regardless of their sexual orientation or gender identity, and the role of the state in resolving perceived conflicts between that right to equal protection and the right to religious freedom. The course will take a cross-cultural/multi-jurisdictional comparative approach to these issues.

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**PUBPOL278 - North American Environmental History**

**Subject:** PUBPOL  
**Catalog Number:** 278  
**Title:** North American Environmental History  

**Description**  
Historical roles of nature—as a cultural construct and a set of biological relationships—in shaping human choices in North America, from colonial times to the present. Special attention to historical origins of contemporary environmental politics, including the origins of wilderness; environmental justice movements; the changing politics of food, animal rights, and pollution; and tragedies of the commons, and the ethical challenges posed by global warming and population growth.

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**PUBPOL279DS - Environment and Conflict: The Role of the Environment in Conflict and Peacebuilding**

**Subject:** PUBPOL  
**Catalog Number:** 279DS  
**Title:** Environment and Conflict: The Role of the Environment in Conflict and Peacebuilding  

**Description**  
Environmental and natural resources as a source of conflict and/or peacebuilding between and within nations and states. Analysis of the role of the environment in the conflict cycle and international security. Topics include refugees, climate change, water, and infectious disease. Particular focus on post-conflict and rebuilding in war-torn societies. Examination of the role of international organizations, non-governmental organizations, and emerging standards for environmental management. Examples drawn from conflicts such as Rwanda, Israel/Palestine, Nepal, Sierra Leone and others. Instructor consent required.
PUBPOL279S - Environment and Conflict: The Role of the Environment in Conflict and Peacebuilding

Subject: PUBPOL
Catalog Number: 279S
Title: Environment and Conflict: The Role of the Environment in Conflict and Peacebuilding

Description
Environmental and natural resources as a source of conflict and/or peacebuilding between and within nations and states. Analysis of the role of the environment in the conflict cycle and international security. Topics include refugees, climate change, water, and infectious disease. Particular focus on post-conflict and rebuilding in war-torn societies. Examination of the role of international organizations, non-governmental organizations, and emerging standards for environmental management. Examples drawn from conflicts such as Rwanda, Israel/Palestine, Nepal, Sierra Leone and others. Instructor consent required.

PUBPOL280S - Marine Science and Conservation Leadership

Subject: PUBPOL
Catalog Number: 280S
Title: Marine Science and Conservation Leadership

Description
Course will explore the complex interactions among science, policy and economics in the use of marine resources and the role individuals play in promoting marine conservation and environmental sustainability. Utilizing case studies ranging from fisheries to offshore energy, students will evaluate trade-offs systematically and learn to assess how different policy options affect the incentives of resource users. Serves as the capstone for the Marine Science and Conservation Leadership Certificate. Prerequisite: none.

PUBPOL281 - Marine Policy

Subject: PUBPOL
Catalog Number: 281
Title: Marine Policy

Description
Policy and policy-making concerning the coastal marine environment. History of marine-related organizations, legislation, and issues and their effects on local, regional, national, and international arenas. Use of theoretical and methodological perspectives, including political science, sociology, and economics. Duke Marine Lab-based course video linked to Durham.

PUBPOL281A - Marine Policy

Subject: PUBPOL
Catalog Number: 281A
Title: Marine Policy

Description
Policy and policy-making concerning the coastal marine environment. History of marine-related organizations, legislation, and issues and their effects on local, regional, national, and international arenas. Use of theoretical and methodological perspectives, including political science, sociology, and economics. Taught in Beaufort at Duke Marine Lab.
### PUBPOL282S - Social Engineering and Social Movements in Eastern Europe and Asia

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<tr>
<th>Subject</th>
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<tbody>
<tr>
<td>PUBPOL</td>
<td>282S</td>
<td>Social Engineering and Social Movements in Eastern Europe and Asia</td>
</tr>
</tbody>
</table>

**Description**
Combining perspectives of political sociology and history, this course questions the respective roles of state policies and social movements in transforming societies. Explores concepts such as social engineering, violence, revolution, totalitarianism, social movements, non-violent resistance, collective action and many others in historically-informed case studies of: colonialism/anticolonial movements (passive resistance and nationalism) in India; revolutionary communism, socialist reconstruction of society, everyday resistance and collective dissent in the Soviet Bloc; authoritarian capitalism and dissent in the form of environmentalist and anti-corruption movements in post-Maoist China.

### PUBPOL283 - Ethics in an Unjust World

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<th>Subject</th>
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<tr>
<td>PUBPOL</td>
<td>283</td>
<td>Ethics in an Unjust World</td>
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</tbody>
</table>

**Description**
The course considers the question, ‘How can we fix poverty?’ It begins by exploring the nature of poverty through a variety of descriptive metaphors (for example, poverty as a ‘trap’ or a ‘disease’). It then considers the word ‘we,’ and in doing so introduces several basic understandings of ethics (deontology, utilitarianism, virtue ethics, etc.) Finally it considers the word ‘fix’ and offers three models for responding to poverty: working for, working with, and being with. Each model explores several examples of good practice followed by critical reflection as students engage with opportunities in Durham displaying each approach.

### PUBPOL283S - Ethics in an Unjust World

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### PUBPOL284 - Denial, Faith, Reason: Sustainability and Survival

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<td>284</td>
<td>Denial, Faith, Reason: Sustainability and Survival</td>
</tr>
</tbody>
</table>

**Description**
This course investigates both theory and history of the concept of sustainability, and explores its various economic and political manifestations over time. What are the historical roots of the sustainability debate? What aspects of life do various concepts of sustainability entail, and how do they inform modern ethics? What, in the end, does the history of political economics teach us about the possibility of sustainable development?
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<tbody>
<tr>
<td>PUBPOL</td>
<td>285S</td>
<td>Comparative Urban Politics and Policymaking</td>
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<tr>
<td>PUBPOL</td>
<td>286S</td>
<td>The Democratic Mission of American Higher Education</td>
</tr>
<tr>
<td>PUBPOL</td>
<td>287</td>
<td>The Political History of Modern Architecture: From Revolution through Neoliberalism</td>
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<tr>
<td>PUBPOL</td>
<td>288</td>
<td>International Trade</td>
</tr>
<tr>
<td>PUBPOL</td>
<td>289</td>
<td>Public Finance</td>
</tr>
<tr>
<td>PUBPOL</td>
<td>290</td>
<td>Selected Public Policy Topics</td>
</tr>
</tbody>
</table>

**PUBPOL285S - Comparative Urban Politics and Policymaking**

**Description**

Duke Immerse Seminar. A comparative examination and analysis of urban governance in South Africa and the United States. Examines potential consequences of persistent racial and class disparities for housing and neighborhoods, public health, education, community infrastructure, and general economic and social development. Specific attention to how the physical layout, government structures, politics, culture, and the civil society of cities and urban areas may both promote and hinder human development and social justice. Instructor consent required.

**PUBPOL286S - The Democratic Mission of American Higher Education**

**Description**

This seminar will explore the purposes of American higher education, with a focus on the origins of higher education in this country and important period of institutional evolution. We will interrogate the relationship between democracy and higher education in two ways. First, by understanding how democracy provides the necessary conditions for higher education to pursue its core mission. Second, by looking at how higher education promotes democratic values. The course will pay particular attention to post WWII American higher education, with a focus on important contemporary debates on higher education issues.

**PUBPOL287 - The Political History of Modern Architecture: From Revolution through Neoliberalism**

**Description**

Given the needs for labor, materials, and legal permissions, architects in the modern period by definition intersect with interests of power. This course explores the role of political institutions and ideologies in the history of modern architecture. While the course focuses on European and North American examples, we will also include key case studies of non-Euroamerican architecture and politics. The course provides a foundational knowledge of the history of modern architecture as well as how political institutions and ideologies have influenced that development.

**PUBPOL288 - International Trade**

**Description**

Topics include United States trade policies and protectionism, the North American Free Trade area, trade and economic relations with industrialized countries, policies toward developing countries and multilateral institutions, macroeconomic policy coordination, and relations with Europe. Prerequisite: Economics 210D.

**PUBPOL289 - Public Finance**

**Description**

Economic aspects of the allocative and distributive role of government in the economy, the incidence and efficiency of taxation, the effects of taxation on behavior, and analysis of major government spending programs. Prerequisite: Economics 210D or Public Policy 303D.

**PUBPOL290 - Selected Public Policy Topics**

**Description**

...
PUBPOL290A - Public Policy Special Topics Away
Subject: PUBPOL
Catalog Number: 290A
Title: Public Policy Special Topics Away
Description: Transfer grading only.

PUBPOL290D - Selected Topics Public Policy
Subject: PUBPOL
Catalog Number: 290D
Title: Selected Topics Public Policy
Description: Topics vary. Discussion version of Public Policy Studies 290.

PUBPOL290S - Selected Public Policy Topics
Subject: PUBPOL
Catalog Number: 290S
Title: Selected Public Policy Topics
Description: Seminar version of Public Policy Studies 290.

PUBPOL290S-1 - Selected Topics in Public Policy
Subject: PUBPOL
Catalog Number: 290S-1
Title: Selected Topics in Public Policy
Description: Satisfactory/Unsatisfactory grading only.

PUBPOL290T - Selected Topics in Public Policy
Subject: PUBPOL
Catalog Number: 290T
Title: Selected Topics in Public Policy
Description: Satisfactory/Unsatisfactory grading only.

PUBPOL291T - Special Topics Tutorial Journalism & Media Studies
Subject: PUBPOL
Catalog Number: 291T
Title: Special Topics Tutorial Journalism & Media Studies
Description: Selected topics tutorial course in Journalism and Media Studies. Satisfactory/Unsatisfactory grading only. Half course credit.
**PUBPOL298 - Authentic Leadership in Private, Public, and Not-for-Profit Organizations**

**Description**
Exploration of the attributes of leadership, why some leaders fail and others succeed; identification of the core values each student possesses which will bring success to organizations throughout their lives. Case study format, class participation is critical to success. Each student will develop a personal perspective on leadership, learn from examples of success and failure, look at the ethical challenges facing leaders today, learn the tools leaders use to support successful cultures, enhance self-awareness, and prepare to become successful leaders. Strong emphasis on writing skills, how to communicate briefly and effectively in written memos. Students will also work in teams.

**PUBPOL301 - Political Analysis for Public Policy-Making**

**Description**
Analysis of the political and organizational processes which influence the formulation and implementation of public policy. Alternative models. Prerequisite: Public Policy 155D.

**PUBPOL302D - Policy Choice as Value Conflict**

**Description**
Theoretical and practical problems in decision making in relation to conflicts of value and of interest. The manifestation of norms deriving from professional ethics, ideology, law, and other sources in such policy issues as welfare, environmental management, and national defense. Prerequisites: Public Policy 155D.

**PUBPOL303D - Microeconomic Policy Tools**

**Description**
Introduction and application of microeconomic tools as a framework for public policy. Topics include models of economic actors' (e.g., consumers', workers', firms') decision-making under constraints and their strategic interactions, and supply and demand of goods and services in different market environments. Policy applications include price and labor market discrimination, distribution of income and wealth, promotion of innovation, taxation in various contexts, and government subsidization of goods and services. A key theme is understanding efficiency and distribution of market allocation, who benefits and who doesn't, and how policy can intervene.
**PUBPOL304 - Economics of the Public Sector**

**Subject**: PUBPOL  
**Catalog Number**: 304  
**Title**: Economics of the Public Sector  

**Description**  
Applies tools of intermediate microeconomics to the public sector. Develops economic justifications for government intervention into the economy and examines and evaluates various government policies and programs including regulation of externalities, welfare programs, social security and other social insurance programs. Provides a solid foundation for applied benefit cost analysis. Analyzes tax policy and other forms of government financing, both at national and subnational levels. Prerequisites: Public Policy 303D or Economics 201D.

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**PUBPOL305 - Africa and Arabia: Cultures, Communities, and Connections**

**Subject**: PUBPOL  
**Catalog Number**: 305  
**Title**: Africa and Arabia: Cultures, Communities, and Connections  

**Description**  
Explores communities, cultures, and connections between Africa and Arabia; Provides concepts and theories on human mobility and interconnectedness in the contexts of the two regional; Examines displacement, migration within and emigration from the two regions, and areas of collaboration and contention in the globalized world; Examines themes of religious terrorism, language, music, and narratives against European colonialism; Explores different intellectual platforms such as political biographies, films, guest experts etc; Interview partners in Egypt, Morocco and Senegal on related intercultural issues and politics.

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**PUBPOL306 - Anthropology of Money**

**Subject**: PUBPOL  
**Catalog Number**: 306  
**Title**: Anthropology of Money  

**Description**  
We will explore the history and theory of money - what it represents, how it circulates, the meanings it carries, its contemporary transformations - not only in the West but also in the global south. Some of the topics to be considered include shell currencies, gift economies, Ponzi schemes, paperless money, derivatives and futures, hedge funds, and global debt.

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**PUBPOL307S - Democracy: Crisis and Opportunity**

**Subject**: PUBPOL  
**Catalog Number**: 307S  
**Title**: Democracy: Crisis and Opportunity  

**Description**  
Democracy Lab will involve students in the practice of revitalizing our democracy, on campus, in Durham, and in our nation. Lab-based model will allow students to experiment with solutions, working together in teams to create innovative projects addressing political issues. Course will include instruction on history and reflective writing as well as theories of innovation and leadership. Work will largely consist of client-based projects in which teams will produce a substantial report or the equivalent activity that contributes to the health of political processes. Course offered through the Hart Leadership Program.
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<tbody>
<tr>
<td>PUBPOL310</td>
<td>310</td>
<td>Market Power and Public Policy</td>
<td>The purpose of antitrust laws is to control how firms attain and maintain their market position, presumably for the betterment of consumers, or at least for the benefit of society. Using a rigorous set of tools from microeconomic and game theory, this class will investigate the underpinnings of policies meant to deal with market power broadly defined, such as antitrust laws, the regulation of public utilities, the regulation of financial markets, and anti-dumping rules. Prerequisite: Economics 201D.</td>
</tr>
<tr>
<td>PUBPOL311S</td>
<td>311S</td>
<td>Business and Human Rights Advocacy Lab</td>
<td>An exploration of human rights advocacy from a legal, political science and comparative perspective. Will focus on issues related to corporate accountability. A core component of the course will include a human rights 'lab' in which students work in teams on policy-oriented projects, potentially in collaboration with community partners.</td>
</tr>
<tr>
<td>PUBPOL313D</td>
<td>313D</td>
<td>Religion, Restrictions, and Violence</td>
<td>An examination of the historical roots and current manifestations of religiously-justified violence and disenfranchisement, with a focus on the Abrahamic traditions (Judaism, Christianity, and Islam). The violence treated will include the expressly physical as well as the more insidiously existential, including political and cultural marginalization. Major loci of exploration will include gender and sexuality; Israel-Palestine, and the intersection of contemporary identities. Topics include the nature of extremisms within each tradition, the challenges of assimilation and 'modernity,' and the role and nature of citizenship and territory.</td>
</tr>
<tr>
<td>PUBPOL315</td>
<td>315</td>
<td>Gender and the Law</td>
<td>Examination of issues at the intersection of gender and law through a number of different theoretical lenses. Analyzes policy problems with gender implications from the perspective of formal equality, substantive equality, nonsubordination theory, different voice theory, autonomy, and various poststructural critiques. Engages theory at the level of concrete, easily accessible ethical and policy issues, including such topics as employment equality, pregnancy, domestic violence, rape, reproductive rights, sexual orientation and sexual identity discrimination, family equality, sexual harassment, pornography, education equality, affirmative action, and the justice system.</td>
</tr>
<tr>
<td>PUBPOL316S</td>
<td>316S</td>
<td>Global Displacement: Voix Francophones</td>
<td>Explores migration and resettlement of Francophone refugees in North America through examination of current policy, law, and practice. Analysis of personal interviews and narratives with attention to ethical questions related to politics of listening to and speaking for other communities. Community-based language component (20 hours) engages students with refugee community in Durham. Conducted in French. Recommended prerequisite: one course at 300-level or equivalent.</td>
</tr>
</tbody>
</table>
**PUBPOL317S - Illiberal Nondemocracies: Focus on Eastern Europe and Asia**

**Subject**: PUBPOL  
**Catalog Number**: 317S  
**Title**: Illiberal Nondemocracies: Focus on Eastern Europe and Asia  

**Description**
As of 2016, only 11% of the countries in the world are liberal democracies. Some insight about how illiberal regimes function is a must to understand what is going on in the world. In this course, we explore illiberal and/or nondemocratic regimes of Eastern Europe and Asia—a perfect laboratory for the subject. We develop nuanced ideas about key concepts such as elections, representation, party rule, dictatorship, populism, patronalism, authoritarianism, and totalitarianism as well as the dilemmas of freedom, security, corruption, and development. We study the regimes of countries such as Hungary, Russia, Turkey, China and follow the news to see how political regimes evolve in real time.

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**PUBPOL318S - Non-Profit Cultural Institutions**

**Subject**: PUBPOL  
**Catalog Number**: 318S  
**Title**: Non-Profit Cultural Institutions  

**Description**
Non-profit cultural institutions are an integral part of arts communities at all levels: national, regional, local. Through readings, projects and service-learning, students gain overview of non-profit cultural organization formation, management, operational structures, governance challenges, board member responsibilities and situational ethics. Explores historical and present functions and social structures in which nonprofit tax-exempt organizations operate. Investigates how nonprofit cultural institutions have increasingly become a vehicle for fostering creativity in the arts and humanities. Students partner with local non-profit arts/cultural organizations to work on specific projects.

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**PUBPOL319 - International Security**

**Subject**: PUBPOL  
**Catalog Number**: 319  
**Title**: International Security  

**Description**
The various causes, processes and impacts of international conflict in contemporary international affairs. Topics include: causes of war; factors that make international conflict more or less likely; domestic politics of international security; impacts of scientific and technological developments; ethical arguments and beliefs associated with the use of violence; contemporary and non-traditional security threats. No formal prerequisite, but Political Science 160 recommended.

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**PUBPOL320 - Statecraft and Strategy**

**Subject**: PUBPOL  
**Catalog Number**: 320  
**Title**: Statecraft and Strategy  

**Description**
Introduces students to the history of how leaders have seen the world and tried to shape it in war and peace. Begins with examination of foundational texts in the history of strategy from around the world. Lectures focus on case studies in diplomatic and military history from the ancient to the contemporary world and spanning the globe. Explores how changes in technology and society (and social mores) have impacted statecraft. Introduces students to the concept of strategy and its applications in statecraft and other fields such as activism, business, and politics. Assignments focus on applying the lessons of history to challenges facing the United States and other countries today.
PUBPOL321S - Contemporary South Africa

Subject: PUBPOL
Catalog Number: 321S
Title: Contemporary South Africa

Description:
Nelson Mandela’s presidency in 1994 inaugurated democracy in South Africa. Using a historical lens, this course will explore the promises, possibilities, and disappointments of the democratic era. In what ways has the 1994 election slogan ‘A better life for all’ come to pass? Why and in what ways has the new political elite fallen short in delivering on its promises? How have segments of the public sought to impose accountability and restitution on new democratic governments, as well as on the long-standing titans of industry?

PUBPOL322SA - Political Polarization in Contemporary Western Democracies

Subject: PUBPOL
Catalog Number: 322SA
Title: Political Polarization in Contemporary Western Democracies

Description:
This seminar seeks to understand current developments in societal polarization in France, Germany, the UK, and the US, with particular attention to how specific political processes benefit or hamper political polarization.

PUBPOL323 - Chicago: Architecture, Urbanism, Politics

Subject: PUBPOL
Catalog Number: 323
Title: Chicago: Architecture, Urbanism, Politics

Description:
Building has often been at the center of major social, economic and political struggles of the modern era. This course will analyze the development of architecture and urbanism in Chicago, from its incorporation to the present day, in relation to these historical struggles. Focusing particularly on the concept of place and space, the course will give the student an overview of building in Chicago and analyze in detail the theories and practices which govern urban planning up to our own times. Select sections of the course will particularly emphasize Chicago 1920-1975, and how questions of class and race intersect with a political economy of architecture.

PUBPOL324 - Global Health Policy: Transforming Evidence into Action

Subject: PUBPOL
Catalog Number: 324
Title: Global Health Policy: Transforming Evidence into Action

Description:
In-depth examination of how to close the gap between evidence and practical policy making as a way to improve global health. How global health policies are shaped; identifying key actors and their power; understanding/influencing the processes that drive large scale change in global health; exploring ways in which health issues reach the top of the agenda; analyzing how decisions are made by policy makers; implementing policies from the ‘top down’ and ‘bottom up.’ The interplay between the different worlds of research and policy. Practical tools for becoming a policy broker, skilled in transforming evidence to action. Real world case studies. Case-based competition.
**PUBPOL325S - Equity in Early Childhood Programs and Policies**

Subject: PUBPOL  
Catalog Number: 325S  
Title: Equity in Early Childhood Programs and Policies

**Description**
This course will explore contemporary theories and empirical research that address issues of equity and early childhood development from birth to age 8. We will examine factors related to individuals and systems (e.g., child care, public health, housing, workforce, social services) that impact early childhood development. Students will critically consider the developmental science that has informed early childhood policies and programs; the social, political and economic forces that shape the study of young children and contributed to developmental trajectories that benefit some children while disadvantaging others; the changing roles of families; and the implications of these policies.

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**PUBPOL326S - Racial Justice in the 20th Century US and South Africa**

Subject: PUBPOL  
Catalog Number: 326S  
Title: Racial Justice in the 20th Century US and South Africa

**Description**
This course uses a comparative framework to assess race in two societies founded on premises of racial inequality: South Africa and the United States. We will explore some of the social, cultural and political exchanges that have taken place between African Americans and Black South Africans over the course of the twentieth century. Additional topics include segregation, twentieth century struggles for civil rights/liberation, the American anti-apartheid movement, and the possibilities for restitution.

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**PUBPOL327S - Apartheid South Africa and Struggles for Democracy**

Subject: PUBPOL  
Catalog Number: 327S  
Title: Apartheid South Africa and Struggles for Democracy

**Description**
Working through an array of diverse organizations – including the African National Congress, the Pan African Congress, the Black Consciousness Movement, a host of liberal organizations, the churches, the trade union federations, and countless more - South Africans fought against apartheid from its inception. In 1994 they achieved a multi-racial democracy led by President Nelson Mandela. This seminar explores key themes in post-World War II South African history, paying special attention to the plethora of anti-apartheid struggles, while analyzing the tenets of apartheid policies.

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**PUBPOL330 - Global Health Ethics: Policy Choice as Value Conflict**

Subject: PUBPOL  
Catalog Number: 330  
Title: Global Health Ethics: Policy Choice as Value Conflict

**Description**
The primary foci of this course are: the ethics of engagement with marginalized/stigmatized populations; understanding the influence of power dynamics; and understanding the ways in which policies create structures that limit abilities. Students explore the roots of their personal value systems and those of others, in an effort to understand causes of conflict and ethical missteps in global health engagement. Involves reading texts and coming to class ready to engage in conversations and activities related to the learning objectives. Weekly 5-question quizzes help to ensure that students come to class prepared to engage with the material.
PUBPOL330D - Global Health Ethics: Policy Choice as Value Conflict

Description
The primary foci of this course are: the ethics of engagement with marginalized/stigmatized populations; understanding the influence of power dynamics; and understanding the ways in which policies create structures that limit abilities. Students explore the roots of their personal value systems and those of others, in an effort to understand causes of conflict and ethical missteps in global health engagement. Involves reading texts and coming to class ready to engage in conversations and activities related to the learning objectives. Weekly 5-question quizzes help to ensure that students come to class prepared to engage with the material.

PUBPOL331 - Health Economics

Description
Economic aspects of the production, distribution, and organization of health care services, such as measuring output, structure of markets, demand for services, pricing of services, cost of care, financing, mechanisms, and their impact on the relevant markets. Prerequisite: Economics 201D or Public Policy 303D.

PUBPOL332S - Documenting US Women's Health Post-Roe v. Wade

Description
The overturning of Roe v. Wade in June 2022 led to the deaths of two women in South Carolina. One woman died from sepsis following self-instrumentation, and the second died after giving birth to a healthy baby. She began to hemorrhage; hospital administrators were afraid that the 'D&C' she needed to survive was too close to the abortion procedure. A physician team at Duke University Hospitals, led by Dr. Beverly Clark, began to see similar cases in North Carolina. The aim of this course is to document—in real time—the political and ethical dimensions of the situation that healthcare providers now find themselves in as they attempt to provide women the nationwide medical 'standard of care.'

PUBPOL333 - War and Public Health in Africa

Description
An inquiry into the nature of contemporary war in sub-Saharan Africa and its human cost. Uses public health as a parameter to assess the impact of organized collective violence on people's lives. Link between war and public health established and measured with respect to civilian deaths, gender based violence, physical and psychological trauma, mental disorders, malnutrition and famine, and the spread of epidemic diseases, inter alia HIV/AIDS. Special attention is paid to rape as 'a weapon of war,' to the trafficking of human beings in war zones, the child soldier phenomenon, and to death counts as a vector of humanitarian or political advocacy.
PUBPOL339A - Religion, Security and Global Citizenship in the Arab World

Description
Examine how the Arab world is embodied in the global or world system of the 21st century. Learn the specific accents that inform its citizens and shape its prospects locally, regionally and internationally. Examine how the major Abrahamic traditions - Judaism, Christianity and Islam - had their historical origins in the eastern Mediterranean world, and how they continue to have adherents that populate the region and challenge the modern notion of citizenship. Explore how the current uprising reflects the challenges of reconciling local aspirations with global forces. STUDY ABROAD: Duke in the Arab World Summer 2012

PUBPOL340S - De/Re/Segregation in Education: A Case of Back to the Future?

Description
Course traces timeline of segregation, desegregation, integration and resegregation in education in the United States, from policies and practices first enacted at this nation's birth through current policies and practices that challenge our commitments to opportunity, equality, and equity. Course invites students to study historical and contemporary practices in education, comparing segregation and resegregation as moments in the education history of the US, taking recent developments in North Carolina education policy and practice as cases to enrich understanding. Students engage in a minimum of 20 hours of planned service activities.

PUBPOL340T - Memory Bandits: Human Rights, Duke's History and a Plan to Expand History-Telling

Description
This is affiliated with a Bass Connections project that takes on the societal and cultural challenge of historical memory, human rights and memorialization. We intend to mine memory studies to ask how, why and where people use the past for contemporary meaning; how the Duke campus currently embodies and tell its story; and how this team can help chart a deeper engagement with history. Consent of instructor is required.

PUBPOL342 - History of Modern America: The United States from 1930 to present

Description
United States history since the Great Depression, with emphasis on the shaping influence of the New Deal and war. Examines transformations of everyday life and culture and the movements for social change they generated, including the labor, civil rights, and women's movements, and explores the nation's dominant role on the world stage and the impact of a global economy.
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<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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<tbody>
<tr>
<td>PUBPOL</td>
<td>343</td>
<td>Journalism in the Age of Data</td>
<td>Teaches the tools and techniques used by investigative journalists to acquire and analyze data in order to discover story ideas and draw and evaluate conclusions about politicians, public policy, broader behavior of public institutions. Students should have basic familiarity with journalism concepts, but no specific technical or mathematical skills required.</td>
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<tr>
<td>PUBPOL</td>
<td>344</td>
<td>History of U.S. Social Movements</td>
<td>Examines the social movements that have shaped U.S. history, starting with the American Revolution itself and covering others including the anti-slavery movement, women's rights, Populism, Socialism, the Ku Klux Klan, the labor movement, the Black Freedom Movement and broader New Left, lesbian and gay liberation, and the recent conservative movement, focusing on the ethical issues arguments they raised, and how new civil, political, and social rights were created through social movement organizing. Lectures and readings explore why these movements arose, what they achieved, why many opposed them, and what we can learn about American history writ large from their experiences.</td>
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<tr>
<td>PUBPOL</td>
<td>345</td>
<td>Genocide and Human Rights</td>
<td>Analyzes the phenomenon of genocide from an interdisciplinary perspective, exploring the ways that violence intersected with gender, race, and religion. Combines the history of genocide with the history of humanitarianism, international law, and human rights, seeking to understand their successes and failures. Case studies cover the twentieth century up to the present and may include mass violence in Armenia, the Congo, the Holocaust, Nigeria/Biafra, Cambodia, Rwanda, and Sudan. An interdisciplinary approach will be used, seeking to investigate genocide and human rights from the heights of international law to the depths of the human heart, using tools of political science, literature, and history.</td>
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<tr>
<td>PUBPOL</td>
<td>346S</td>
<td>Family Rights/Human Rights</td>
<td>Explores relationship between state, family formation, and individuals. Surveys regulation of sexuality, reproduction, adoption, immigration, and incarceration with focus mainly on U.S. and past 200 years.</td>
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<td>Subject</td>
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<tr>
<td>PUBPOL</td>
<td>347S</td>
<td>The Connection between Human Rights, Memory and How Societies Create Memorials</td>
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<td>Description</td>
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<td>This seminar introduces students to multiple approaches to how to create memory, with a focus on building a proposal for Duke to expand the sites where stories are told. We are particularly interested in how to tell difficult stories of slavery, segregation and inequality through new sites and interpretive plans. Students will create a Duke memory map and develop a Story Bank. The class is in part funded by Bass Connections and is affiliated with the Story Lab.</td>
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<tr>
<td>PUBPOL</td>
<td>349D</td>
<td>Global Environmental Politics</td>
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<td>Description</td>
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<td>This course examines the international community's responses to various global environmental problems. Because many environmental problems cross national borders, solutions require some form of global governance such as state-led mechanisms in the form of international environmental regimes. The course will thus explore how and why states both succeed and fail to negotiate international governance mechanisms. The course will also examine why some international environmental regimes are more effective than others and why states choose to comply with environmental regimes.</td>
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<tr>
<td>PUBPOL</td>
<td>350S</td>
<td>The University as a Culture: A Survivor's Guide</td>
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<td>Description</td>
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<td>The university generates some of the most influential forms of knowledge in the world, yet we seldom examine the historically specific cultural, social, political, and economic conditions under which knowledge is produced in the laboratories, classrooms, offices, dormitories, Greek-letter societies, and sports complexes that are the infrastructure of the academy. This course will employ readings from a range of disciplines, as well as the investigative and interpretive methods of cultural anthropology, to examine the taken-for-granted context of university life.</td>
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<td>A survey of relations of United States with Russian Federation since break-up of the Soviet Union. Examines government policies, agreements and disagreements in foreign policy, internal political and economic developments in both countries, and also public opinion, cultural relations, and role of mass media. Lectures, readings (including source documents), and final research paper.</td>
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<tr>
<td>PUBPOL</td>
<td>353S</td>
<td>U.S. Policy in the Middle East</td>
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<td>Description</td>
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<td>U.S. foreign policy: Middle East; Arab-Israeli-Palestinian conflict; oil and security; cold war; military cooperation and intervention; aid and democracy promotion; Iran, the Arab Spring; realism vs. liberalism in US foreign policy.</td>
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<tr>
<td>PUBPOL355A</td>
<td>PUBPOL</td>
<td>355A</td>
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**Description**

The regulation of labour immigration is among the most important and controversial public policy issues in high-income countries. Many countries in Europe and North America, including the UK and the US, have experienced very rapid increases in labour immigration over the past 20 years. Instructor consent is required.

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<tbody>
<tr>
<td>PUBPOL357S</td>
<td>PUBPOL</td>
<td>357S</td>
<td>Watchdog News and Storytelling: Changing Forms of Accountability Journalism</td>
</tr>
</tbody>
</table>

**Description**

Focus on evolving styles of explanatory reporting and investigative journalism. Practice fundamental research and writing techniques that journalists use to reveal complex issues and hold powerful institutions and people accountable. Identify sources, develop interviewing skills, and tap public records. Analyze stories that can serve as engaging models for your assignments, such as fact-checks, solutions-focused articles, and first-person accounts that turn the reporting process into a narrative device. Learn about editorial rules and writing conventions, including their ethical underpinnings and the role of objective methods. Talk with guest journalists about their experiences.

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<tbody>
<tr>
<td>PUBPOL358S</td>
<td>PUBPOL</td>
<td>358S</td>
<td>Global Apple: Life and Death and the Digital Revolution</td>
</tr>
</tbody>
</table>

**Description**

Examination of the Apple Corporation's development from a Silicon Valley garage operation to a company with unprecedented global reach; the Cult of Steve Jobs, the Apple Launch and use the design and development of the Apple Store; labor and environmental struggles over Apple supply chain and production processes, from cobalt mining in Africa to Foxconn factories in China; migrant worker suicide and poetry as forms of protest in China; e-waste villages and digital rubbish; everyday uses of Apple technology and the ethics of consuming Apple products.

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<tbody>
<tr>
<td>PUBPOL359</td>
<td>PUBPOL</td>
<td>359</td>
<td>Violent Jihad in the Twentieth Century - A Global History</td>
</tr>
</tbody>
</table>

**Description**

This course focuses on the history of Muslim groups and social movements which are often regarded as politically fundamentalists or radical in the twentieth-century Middle East. We shall critically survey the intellectual origins of radical ideologies, the social history of the ‘Muslim Brotherhood’ in Egypt and Syria, the politics of Saudi Arabia, the rise of Hizbullah, the question of the caliphate, the interaction between foreign intervention and the approval of violence as a legitimate means in politics, a history of al-Qaeda, and finally of what we know about ISIS.
PUBPOL361S - Algorithms, Journalism and the Public Interest

Subject: PUBPOL
Catalog Number: 361S
Title: Algorithms, Journalism and the Public Interest

Description: Explores the expanding and evolving role of algorithms in the production, dissemination, and consumption of news. Course considers the political, economic, cultural, legal, public policy, and ethical implications of algorithmically-driven journalism and news consumption. Places algorithmically-driven journalism and news consumption in historical and technological context.

PUBPOL362S - Race and Society: South Africa and the US, 1890-present

Subject: PUBPOL
Catalog Number: 362S
Title: Race and Society: South Africa and the US, 1890-present

Description: Scholars, pundits and historical actors have long drawn parallels between the United States & South Africa—two countries founded on the premises of racial inequality. This course explores the machinations of race from the quickening of industrial development to present. We will consider the benefits and pitfalls of thinking comparatively. Topics include segregation, transatlantic cultural exchanges, living apartheid and Jim Crow, government surveillance of political opponents, the American anti-apartheid movement, mass incarceration and privatization of prisons, memory and the struggles for social change as well as the persistence of racial inequality in two country's contemporary societies.

PUBPOL364S - Art of the Interview

Subject: PUBPOL
Catalog Number: 364S
Title: Art of the Interview

Description: An exploration of the role of the interview as a core feature of modern American journalism, with focus on its development as a tool of inquiry, a cultural form and news-making event. Students will study examples of media coverage and produce projects involving interviews.

PUBPOL365S - Video Journalism

Subject: PUBPOL
Catalog Number: 365S
Title: Video Journalism

Description: Theories and concepts of television broadcasting; writing and editing for electronic media; issues of production. Students will produce a Web portfolio. Approved as a practicum course for the Policy, Journalism and Media Studies certificate.

PUBPOL366S - Long-form Journalism

Subject: PUBPOL
Catalog Number: 366S
Title: Long-form Journalism

Description: Storytelling techniques of magazine journalism; reporting and writing strategies; historical and contemporary writing for magazines in print and digital formats. Students develop experience in different kinds of magazine writing. Approved as a practicum course for the Policy, Journalism and Media Studies certificate.

PUBPOL367S - News Writing and Reporting

Subject: PUBPOL
Catalog Number: 367S
Title: News Writing and Reporting

Description: Seminar on reporting and writing news and feature stories. Students required to produce news stories based on original reporting and writing, including interviews, use of the Internet and electronic databases, public records, and written publications. Written assignments critiqued in class; final project.
PUBPOL369S - The Intersection of Politics, Policy, and Media

Description
An examination of decision-making at intersection of politics, public policy, and media. Draws on real-world and real-time examples and case studies, readings, and guest speakers. Issues include: role, power and practice of lobbying, rise of think tanks and interest groups as key players, theater of politics and policy, the many faces of media, scandal and commodification of outrage, crisis management and mismanagement.

PUBPOL371 - News as a Moral Battleground

Description
Ethical inquiry into journalism and its effect on public discourse. Issues include accuracy, transparency, conflicts of interest and fairness. Topics include coverage of national security, government secrecy, plagiarism/fabrication, and trade-offs of anonymous sourcing.

PUBPOL372 - Information, Technology, Ethics and Policy

Description
The evolution of the Internet and other information technologies and the related policies and regulations that have emerged both internationally and nationally (in the United States). The tensions surrounding the access to information and the controversies about content, such as issues of free speech. Includes an Internet monitoring project designed to encourage in-depth analysis in order to place technology and technology policy in their historical evolution and context. Explores the contemporary political and social impacts of the Internet and other information technologies.

PUBPOL374 - Contemporary Documentary Film: Filmmakers and the Full Frame Documentary Film Festival

Description
Integrated with the films and filmmakers of the Full Frame Documentary Film Festival. The art form, style, and technology of contemporary documentary films. Issues of autonomy and power, politics, and public policies. Analysis of outstanding films from around the world. Presentations and discussions by filmmakers.
PUBPOL376D - Foreign Policy of the United States

Subject: PUBPOL  
Catalog Number: 376D  
Title: Foreign Policy of the United States

Description: Internal and external sources of American Foreign Policy, including the role of ethnicity, nationality, and distinct world views of Americans and other peoples. The formulation and conduct of American foreign policy in different historical periods with an examination of foreign policy in the post-Cold War era and prospects for alternative futures. Instruction is provided in two lectures and one small discussion meeting each week.

PUBPOL376S - Autobiographical Writing: The Power and the Pitfalls of “Me”

Subject: PUBPOL  
Catalog Number: 376S  
Title: Autobiographical Writing: The Power and the Pitfalls of “Me”

Description: This course explores autobiographical writing, primarily through students’ writing and workshopping of essays, opinion pieces and snippets of memoir that the instructor and class discuss and critique, but also through reading a diverse group of past and current practitioners. While students will be able to steer their own efforts toward the manner of first-person writing in which they have the most interest, they will be expected to engage in study and execution of standard forms, such the opinion column. Students will benefit from instructor’s experience writing memoirs and first-person opinion columns. Prerequisites: Policy Journalism and Media Studies 364S, 366S, or 367S.

PUBPOL377S - Medicine and the Vision of Documentary Photography

Subject: PUBPOL  
Catalog Number: 377S  
Title: Medicine and the Vision of Documentary Photography

Description: The intersection of healthcare and documentary photography. Explore work of established photographers engaged with healthcare topics. Produce semester-long documentary photography project and 5-10 page documentary essay on healthcare related topic. Students must have or quickly develop proficiency in the use of a digital SLR camera and Adobe Lightroom. Course materials include photographs, articles, and books. Class sessions combine critique of student work, discussion of course materials, and discussion of ethical questions involved in documentary representation of healthcare-related topics.

PUBPOL378S - Research Seminar in Sexual and Gender Minority Health

Subject: PUBPOL  
Catalog Number: 378S  
Title: Research Seminar in Sexual and Gender Minority Health

Description: This seminar course introduces student to global health policy and research focused on the health of sexual and gender minority (SGM) populations, and is intended for students in preparation for undergraduate research in social sciences and public policy focused on SGM health. Seminars are cooperative ventures and their success depends upon the full and active participation of each member of the class. Therefore, conscientious preparation and regular attendance are required. Each student is expected to develop an independent research project in SGM health.
PUBPOL381 - The 21st Century News Leader

Subject: PUBPOL
Catalog Number: 381
Title: The 21st Century News Leader

Description:
Course looks at evolution of news leadership from the latter half of 20th century-present, including decline of newspapers, rise of Internet, collapse of traditional news business model, emergence of attention economy, reinvention of factchecking, and revolutionary arrival of social media. Students will explore key questions regarding news leader's role in society today, limits of news leadership, continuing changes in technology that impact role of news leader, new knowledge news leaders need, and role government has had in transformation of news landscape and leadership. Exploration of how challenges affect news industry, society, those entering field of journalism. Prerequisite: Policy Journalism 371.

PUBPOL382S - Refugee Policy and Practice (DukeImmerse)

Subject: PUBPOL
Catalog Number: 382S
Title: Refugee Policy and Practice (DukeImmerse)

Description:
Uses current debates around refugee law and policy as the context in which to develop basic quantitative research design and analysis skills. Course may include data collection with resettled refugee locally and in Jordan and in Nepal. Only open to DukeImmerse students. Instructor consent required.

PUBPOL383S - Politics of Sexuality

Subject: PUBPOL
Catalog Number: 383S
Title: Politics of Sexuality

Description:
Explores intersections among sexual identity, desire, and behavior and political institutions, public policy, and concepts of citizenship. Readings and methods will be interdisciplinary and will examine politics of sexuality in diverse sociocultural, international, and historical contexts. Topics may include: social movements; laws, policing, and incarceration; medicalization and eugenics; militarism and geopolitics; immigration and human rights; welfare policies; nationalism and citizenship; and reproductive rights.

PUBPOL384 - Public Speaking: Policy Advocacy and Communication

Subject: PUBPOL
Catalog Number: 384
Title: Public Speaking: Policy Advocacy and Communication

Description:
Theoretical and practical understanding of the elements of effective advocacy, especially as applied to policy issues. Focus on oral communication (both formal public speaking and interactive exchange), written exposition, and presentation skills. Emphasis on the human dimensions of the communication process - voice and body behavior, audience evaluation, focus, control and self-awareness. Identifies techniques for minimizing communication distraction, developing confidence in presentation situations, and analyzing informational requirements. Does not apply toward public policy studies major. This course is open to students in their junior or senior year.
### PUBPOL385 - Reimagining the World Together: Why Friendship Matters for Our Future

**Subject**  
PUBPOL

**Catalog Number**  
385

**Title**  
Reimagining the World Together: Why Friendship Matters for Our Future

**Description**
Explores friendship and why it matters in the frenzied world of 'likes' and 'swipes.' The average Facebook user has 155 friends. Instagram added a 'Close Friends' feature to distinguish friends from followers. Social media has weakened our sense of friendship. Still, Facebook users say that, of those 155 friends, they would trust only four in a crisis. Pursues the importance of friendship, not only as a place of private refuge but as a relationship of trust that facilitates insight and innovation and that has public purchase. Classes center on conversations between pairs of friends who bring their friendship, their work, and their imaginations to bear on the shape of the world in the future.

### PUBPOL386SA - Politics and Culture Between Europe and the Middle East

**Subject**  
PUBPOL

**Catalog Number**  
386SA

**Title**  
Politics and Culture Between Europe and the Middle East

**Description**
Surveys the changing geopolitical context of communities between Europe and the Middle East through an interdisciplinary cultural framework from WWI to the present. Emphasis on German/Turkish relations. Analysis of representations of nationalism, identity, ethnicity, gender and religion. Examines intersections of modernity, revolution, and lived and political Islam to analyze the ways in which political ideologies create and question Middle Eastern identities. Secondary theoretical readings, including work by political scientists, cultural critics, and policy experts. Taught in English as part of the Duke Middle East in Europe program.

### PUBPOL387S - Documenting Black Experiences

**Subject**  
PUBPOL

**Catalog Number**  
387S

**Title**  
Documenting Black Experiences

**Description**
Explores how Black experiences have been documented and how crucial stories woven from real life get told. Students engage wide ranging contemporary and historical materials, including nonfiction, memoir, fiction, documentary and dramatic film, theater, poetry and music. Our aspirations are historical, but with an understanding that academic history, though irreplaceable, barely touches the range of storytelling that makes Black lives not only matter but transform the spaces in which they unfold. Our explorations are political, but in the largest sense—how Black power comes from making higher truth a tool, a weapon and a way of being.

### PUBPOL389S - Small Town USA: Local Collaborations

**Subject**  
PUBPOL

**Catalog Number**  
389S

**Title**  
Small Town USA: Local Collaborations

**Description**
Theory and practice of documentary photography in a small-town context. Students working in collaboration with one nearby small town complete a documentary photographic study of one individual or group within that town. Includes analysis of the documentary tradition, particularly as it relates to locally situated work and to selected individual projects; building visual narrative, developing honest relationships with subjects, responsibility to subjects and their communities, and engaging with and portraying a community as an outsider. Photo elicitation and editing techniques. Consent of instructor required. Required participation in service-learning.
<table>
<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>PUBPOL5A</td>
<td>390A</td>
<td>Duke-Administered Study Abroad: Advanced Special Topics in Public Policy Studies</td>
<td>Topics differ by section.</td>
</tr>
<tr>
<td>PUBPOL5T</td>
<td>390T</td>
<td>Bass Connections Selected Special Topics</td>
<td>Selected Topics. Topics vary. Open to Bass Connections only. Project-based course in which undergraduate and graduate students work collaboratively to produce a significant public-facing research product drawing on analysis from across the social sciences. Topics vary depending on section. Students will gain a conceptual understanding of the project topic, develop research plans, conduct new research, and develop a final product containing significant analysis and interpretation (e.g., exhibits, databases, oral histories, data visualizations). Consent of instructor.</td>
</tr>
<tr>
<td>PUBPOL51</td>
<td>391</td>
<td>Independent Study</td>
<td>Supervised reading in a field of special interest under the sponsorship of a faculty member. Requires a substantive paper containing significant analysis and interpretation. Consent of instructor and director of undergraduate studies required.</td>
</tr>
<tr>
<td>PUBPOL53</td>
<td>393</td>
<td>Research Independent Study</td>
<td>Individual research in a field of special interest under the supervision of a faculty member, the central goal of which is a substantive paper containing significant analysis and interpretation of a previously approved topic. Consent of instructor and director of undergraduate studies required.</td>
</tr>
<tr>
<td>PUBPOL55S</td>
<td>395S</td>
<td>Children and the Experience of Illness</td>
<td>An exploration of how children cope with illness, incorporating the tools of documentary photography and writing. Students will work outside class with children who are ill and teach them how to use a camera, working toward an exhibit of photographs at the end of the semester. Permission required. Required participation in service-learning.</td>
</tr>
<tr>
<td>PUBPOL57S</td>
<td>397S</td>
<td>Advanced Reporting</td>
<td>Durham government and community reporting course for students with experience in journalism. Assignments will involve covering meetings of the Durham City Council and Board of Education and other Durham County boards and commissions, covering civil and criminal trials, and conducting interviews with government officials, people affected by government actions, and elected representatives. Resources are provided for students to travel throughout Durham County. Students may contact instructor for consent if they do not meet the pre-req PJMS 367S News Writing &amp; Reporting.</td>
</tr>
</tbody>
</table>
PUBPOL399A - Global Russia

Subject | Catalog Number | Title
--- | --- | ---
PUBPOL | 399A | Global Russia

Description
Globalization of Russian culture as manifested in popular/academic cultural forms, including political ideologies, media/artistic texts, film, theater/television, markets, educational/legal institutions, historical/contemporary social movements. Examination of ethical issues in context of such topics as the relationship between church and state; evolution of a totalitarian government into a democratic state; reproductive rights; struggle against corruption in education, finance, police; role of censorship; views of citizenship, patriotism, valor, and treason; historical perspectives on prison camps, abuses of psychiatry. Offered in the Duke in Russia Program. Instructor consent required.

PUBPOL401S - The Adventure of Citizenship: Lives of Civic Engagement

Subject | Catalog Number | Title
--- | --- | ---
PUBPOL | 401S | The Adventure of Citizenship: Lives of Civic Engagement

Description
What does it mean to be a citizen and live a civic life? In this course students will integrate academic content with their own community based experiences to understand and critique their understandings of civic engagement and social change. Students will reflect on their Duke experience and begin to chart their post Duke futures. They will gain knowledge of the historical context of democratic citizenship, understanding of the relationship between theory and practice, and familiarity with the contestations of civic engagement that emerge from considerations of race, class, and gender. Students will undertake independent projects to study those who have lived civic lives.

PUBPOL406S - South African Life Histories

Subject | Catalog Number | Title
--- | --- | ---
PUBPOL | 406S | South African Life Histories

Description
South Africa presented the world with one of the great moral challenges of the 20th century. We will explore its history through the lens of biography and autobiography. The country underwent major transformations — rapid industrialization, segregation, the rise and fall of apartheid, and the emergence of democracy. How did individuals experience these social changes? In what ways do individual lives illuminate these larger social processes? Protagonists include a prophetess, political artists and writers, exiles, and celebrated figures. Topics cover how segregation and apartheid affected people’s daily lives, opposition to white supremacy, and the personal impact of the AIDS’s epidemic.

PUBPOL409 - Leadership in International Relations

Subject | Catalog Number | Title
--- | --- | ---
PUBPOL | 409 | Leadership in International Relations

Description
Course analyzes the impact political leaders have on international relations by examining case studies of specific decisions dealing with events of international importance over the past 3 decades, including end of the Cold War; the Falklands War; the unification of Germany; the Gulf War; the Soviet Union collapse; restoring Russian power, the decision to invade Iraq. Considers styles of leadership by American and Russian presidents and provides a basis for comparing the styles of other leaders analyzed. Considers such questions as similarities/differences in qualities of leadership in different societies, extent to which leaders are victims of circumstance, and degree to which decisions can change things.
PUBPOL410 - Policy Journalism and Media Studies Capstone Course

Description
Capstone course for Policy Journalism and Media Studies certificate. Course taken after student completes media internship. Designed to integrate student's practical experience with conceptual and theoretical classroom work. Students meet in formal course setting to discuss what they have learned, present examples of the work they have accomplished, and discuss relevant research, culminating in a final project. Course requires a class presentation about the student's internship and a final project that integrates the internship experience with course content. Open to Policy Journalism and Media Studies certificate students only. Instructor consent required.

PUBPOL411S - Historicizing Whiteness

Description
Examines origins, historical development, and consequences of white racial identity, from the 17th century to the present, beginning with the emergence of white racial grammar among trafficked white servants and so-called 'white slaves' to the creation of racialized rights and privileges for white people in Great Britain and the United States in the 19th, 20th, and 21st centuries.

PUBPOL412S - Mobility

Description
Examine how individual humans move within a network or system through theories (e.g. Locke on portable property), vehicles (boats), travelers (pirates, pilgrims, migrants), media (books, money, gravestones, genealogies) to recognize the phenomenon of mobility and its consequences. This course enables you to cultivate an eye for seeing mobile phenomena, and to analyze how they are at the heart of the big issues: capitalism, colonialism, imperialism, race, religion, diaspora, migration and security.

PUBPOL413S - The Geopolitics of Islamophobia from Bosnia to Xinjiang

Description
Comparative study of geopolitical attitudes toward Muslim minorities in and majority Muslim nations of the greater Middle East beginning with the Ottomans and including Bosnia, Chechnya, Iran, Afghanistan and/or Xinjiang. These polities have histories of colonialism, contested Islamic and secular state traditions, and experiences of anti-Muslim racism, religious and ethnic conflict and political violence. Theoretical analysis of historiography, Islamophobia, gender, identity, and policy. Discussion of US, European, and regional geopolitical interests through cultural texts including literature and film. This course does not fulfill the History capstone requirement.
PUBPOL415 - Communities of Practice

Subject: PUBPOL
Catalog Number: 415
Title: Communities of Practice

Description
Capstone course for students completing community-based research projects through Service Opportunities in Leadership, a signature curricular and experiential learning offering in the Hart Leadership Program. Course involves critical reflection on summer projects, exploration of leadership models that center community-led work and systemic analysis, development and practice of skills for lifelong civic leadership, and interrogation of how individual lives of commitment to the common good are formed and sustained in community with others. Instructor consent required. Students must be members of the SOL program and have completed both PUBPOL 263 and an approved summer project.

PUBPOL416S - South Africa and the World

Subject: PUBPOL
Catalog Number: 416S
Title: South Africa and the World

Description
Throughout the 20th century, South Africa had the largest economy and military on the African continent. Its strategic geographic position and mineral wealth in gold and uranium made it an important ally for the largest economies in the world. The Cold War enhanced its significance. However, in the second half of the twentieth century, its policies of apartheid rendered it an international pariah. This course examines the ways in which countries, international institutions, and millions of 'ordinary' people shaped the course of South African history. How did South Africa interact with the broader world, and how did the world try to affect South Africa's policies of white supremacy?

PUBPOL420S - Multidisciplinary Approaches to Contemporary Children's Issues

Subject: PUBPOL
Catalog Number: 420S
Title: Multidisciplinary Approaches to Contemporary Children's Issues

Description
In this course, you will learn to translate your scholarship into policy-relevant writing and actions. Students must have completed or be in the process of completing an independent research project on a topic related to children, families, or education. You will translate knowledge gained from your independent research project into several products for diverse audiences, including practitioners and policymakers. You will learn to present your academic scholarship in oral, academic, lay-public, and professional forums. Capstone course required for the Child Policy Research certificate program. Consent of Director of that certificate program required.

PUBPOL425 - Intellectual Property and Innovation: Law, Policy & Entrepreneurship

Subject: PUBPOL
Catalog Number: 425
Title: Intellectual Property and Innovation: Law, Policy & Entrepreneurship

Description
Course examines the tightly linked roles of intellectual property law and innovation in the 21st century global economy; offers an overview of the use of intellectual property in business, law and public policy, as well as in-depth coverage of current controversies impacting the future of the global information economy; gene patents; online piracy; music sampling; open source business models; access to medicines; and the impact of the 3D printing revolution. Besides overviews of trends in intellectual property law, research and development strategies, university technology transfer, and government and private sector investment, examine case studies of specific innovators, companies, places.
PUBPOL435 - Global Inequality Research

**Subject**  
PUBPOL

**Catalog Number**  
435

**Title**  
Global Inequality Research

**Description**  
Engagement of vertically integrated research teams in projects exploring racial and ethnic disparities exhibited and expressed in six arenas: employment, wealth, health, political participation, education, and arts and culture. Each team will produce a major paper that will qualify for submission to a refereed journal in the area relevant to the focus of the study. Course is not open to students who have taken Public Policy 645 or 645S.

PUBPOL435S - Global Inequality Research Seminar

**Subject**  
PUBPOL

**Catalog Number**  
435S

**Title**  
Global Inequality Research Seminar

**Description**  
Engagement of vertically integrated research teams in projects exploring racial and ethnic disparities exhibited and expressed in six arenas: employment, wealth, health, political participation, education, and arts and culture. Each team will produce a major paper that will qualify for submission to a refereed journal in the area relevant to the focus of the study. Course is not open to students who have taken Public Policy 645S.

PUBPOL445A - Climate Change in the Marine Environment

**Subject**  
PUBPOL

**Catalog Number**  
445A

**Title**  
Climate Change in the Marine Environment

**Description**  
Exploration of climate change science focusing on marine ecosystems and inhabitants - specifically ocean acidification, warming and sea level rise. Factors causing climate change, and how those vary spatially, focusing on sensitive polar ecosystems and marine mammal populations. Critical examination of climate change modeling using EdGCM (research-grade Global Climate Model), focusing on how scientists use models, observations/theory to predict climate, and assumptions/uncertainty implicit in modeling. Discussion of potential human impacts including consequences of sea level rise and potential increases in disease due to climate change. Taught in Beaufort at Duke Marine Lab.

PUBPOL450AS - Glasgow Seminar in Public Policy

**Subject**  
PUBPOL

**Catalog Number**  
450AS

**Title**  
Glasgow Seminar in Public Policy

**Description**  
Analysis of the British political system and important public policy problems in Britain including: privatization, Britain and the European community, and economic and social policy. (Taught in Scotland.) Prerequisite: Public Policy Studies 155D, two of the core courses (Public Policy Studies 301, 302, 303D or equivalent, or Statistical Science 101), and consent of director.
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<tbody>
<tr>
<td>PUBPOL</td>
<td>460SA</td>
<td>Politics and Policy Practicum for Duke in DC</td>
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</tbody>
</table>

**Description**
In this course, students develop policy expertise and professional skills relating to their Washington internship. In their final paper, students analyze a policy issue they have encountered in their internship and develop and evaluate alternative approaches to the issues. The course also provides students with skills that enhance their internship experience and prepare them for future research and policy work. The skill-building components may include: analyzing sources of information, interviewing for research and for policy analysis, doing sensitivity analysis, providing constructive criticism, and briefing expert and non-expert audiences.

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<tr>
<td>PUBPOL</td>
<td>473S</td>
<td>Building a Sustainable Tomorrow</td>
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</table>

**Description**
Capstone for Certificate in Sustainability Engagement open to senior undergraduates who have completed all other Certificate requirements. Interdisciplinary insights to shed light on major contemporary debates in sustainability and world’s most pressing problems. Synthesis and integration of ideas, concepts, and themes from their academic coursework and experiential activities with each dimension of sustainability, enhancing their systems analysis of chosen theme. Classes include discussion, readings, and guest speakers on topics in sustainability. May include fieldwork and other learning experiences relevant to sustainability. Held in Spring semesters. Open only to Sustainability Engagement certificate students. Prerequisite: Sustainability Engagement 245/Environment 245.

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<td>PUBPOL</td>
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**Description**
Capstone for Certificate in Sustainability Engagement open to senior undergraduates who have completed all other Certificate requirements. Interdisciplinary insights to shed light on major contemporary debates in sustainability and world’s most pressing problems. Synthesis and integration of ideas, concepts, and themes from their academic coursework and experiential activities with each dimension of sustainability, enhancing their systems analysis of chosen theme. Classes include discussion, readings, and guest speakers on topics in sustainability. May include fieldwork and other learning experiences relevant to sustainability. Held in Spring semesters. Open only to Sustainability Engagement certificate students. Prerequisite: Sustainability Engagement 245/Environment 245.

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<tr>
<td>PUBPOL</td>
<td>490S</td>
<td>Capstone Seminars in Special Topics in Public Policy</td>
</tr>
</tbody>
</table>

**Description**
Selected topics for courses offering capstone experiences or advanced research. Instructor consent required.
## PUBPOL493A - Politics and Policy Practicum for Duke in DC

**Subject**: PUBPOL  
**Catalog Number**: 493A  
**Title**: Politics and Policy Practicum for Duke in DC  

**Description**  
In this course, students develop policy expertise and professional skills relating to their Washington internship. In their final paper, students analyze a policy issue they have encountered in their internship and develop and evaluate alternative approaches to the issues. The course also provides students with skills that enhance their internship experience and that prepare them for future research and policy work. The skill-building components may include: analyzing sources of information, interviewing for research and for policy analysis, doing sensitivity analysis, providing constructive criticism, and briefing expert and non-expert audiences.

## PUBPOL494 - Honors Project: Research Independent Study

**Subject**: PUBPOL  
**Catalog Number**: 494  
**Title**: Honors Project: Research Independent Study  

**Description**  
Individual research in field of special interest under supervision of a faculty member leading to completion of an honors thesis in Public Policy Studies. First semester requires substantive paper that outlines thesis. Second semester results in paper containing significant analysis and interpretation of the topic. Open only to students seeking honors via research independent study route. Consent of instructor and honors project director required.

## PUBPOL495S - Honors Seminar

**Subject**: PUBPOL  
**Catalog Number**: 495S  
**Title**: Honors Seminar  

**Description**  
Special research topics. Consent of the honors seminar instructor and director of undergraduate studies required.

## PUBPOL496S - Honors Seminar

**Subject**: PUBPOL  
**Catalog Number**: 496S  
**Title**: Honors Seminar  

**Description**  
Continuation of Public Policy Studies 495S. Consent of the honors seminar instructor and director of undergraduate studies required. Prerequisite: Public Policy Studies 495S.

## PUBPOL497S - Senior Seminar Special Topics

**Subject**: PUBPOL  
**Catalog Number**: 497S  
**Title**: Senior Seminar Special Topics  

**Description**  
For special topics courses that are targeted toward upper-level students and capstone experiences.

## PUBPOL89S - First-Year Seminar

**Subject**: PUBPOL  
**Catalog Number**: 89S  
**Title**: First-Year Seminar  

**Description**  
Topics may vary each semester offered.
<table>
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<tr>
<th>Subject</th>
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<tbody>
<tr>
<td>RACESOC</td>
<td>393T</td>
<td>Bass Connections Race &amp; Society Research Team</td>
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<tr>
<td>RACESOC</td>
<td>394T</td>
<td>Bass Connections Race &amp; Society Research Team</td>
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<tr>
<td>RACESOC</td>
<td>395</td>
<td>Bass Connections Race &amp; Society Research Team</td>
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<tr>
<td>RACESOC</td>
<td>395T</td>
<td>Bass Connections Race &amp; Society Research Team</td>
</tr>
</tbody>
</table>

**Description**

- **RACESOC393T - Bass Connections Race & Society Research Team**
  
  Bass Connections Year-long Project Team. Topics vary depending on semester and section. Teams of undergraduate and graduate students work with faculty to investigate how race intersects with various aspects of society and lived experience. Teams often work with external experts and partners. A team's work may run in parallel with or contribute to an on-going research project. Teams will participate in seminars, data collection and analysis, field work and/or other learning experiences relevant to the project. Requires final paper or product containing significant analysis and interpretation. Instructor consent required.

- **RACESOC394T - Bass Connections Race & Society Research Team**
  
  Bass Connections Year-long Project Team. Topics vary depending on semester and section. Teams of undergraduate and graduate students work with faculty to investigate how race intersects with various aspects of society and lived experience. Teams often work with external experts and partners. A team's work may run in parallel with or contribute to an on-going research project. Teams will participate in seminars, data collection and analysis, field work and/or other learning experiences relevant to the project. Requires final paper or product containing significant analysis and interpretation. Instructor consent required.

- **RACESOC395 - Bass Connections Race & Society Research Independent Study**
  
  Bass Connections Year-long Project, independent study. Topics vary depending on semester and section. Undergraduate and graduate students work with faculty to investigate how race intersects with various aspects of society and lived experience. Projects often involve external experts and partners. Project work may run in parallel with or contribute to an on-going research project. Students will participate in seminars, data collection and analysis, field work and other learning experiences relevant to the project. Requires final paper or product containing significant analysis and interpretation. Instructor consent required.

- **RACESOC395T - Bass Connections Race & Society Research Team**
  
  Bass Connections Year-long Project Team. Topics vary depending on semester and section. Teams of undergraduate and graduate students work with faculty to investigate how race intersects with various aspects of society and lived experience. Teams often work with external experts and partners. A team's work may run in parallel with or contribute to an on-going research project. Teams will participate in seminars, data collection and analysis, field work and other learning experiences relevant to the project. Requires final paper or product containing significant analysis and interpretation. Instructor consent required.
### RACESOC396 - Bass Connections Race & Society Research Team

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<th>Subject</th>
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<th>Title</th>
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<tr>
<td>RACESOC</td>
<td>396</td>
<td>Bass Connections Race &amp; Society Research Team</td>
</tr>
</tbody>
</table>

**Description**

Bass Connections Year-long Project Team. Topics vary depending on semester and section. Teams of undergraduate and graduate students work with faculty to investigate how race intersects with various aspects of society and lived experience. Teams often work with external experts and partners. A team's work may run in parallel with or contribute to an ongoing research project. Teams will participate in seminars, data collection and analysis, field work and other learning experiences relevant to the project. Requires final paper or product containing significant analysis and interpretation. Instructor consent required.

### RACESOC396T - Bass Connections Race & Society Research Team

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**Description**

Bass Connections Year-long Project Team. Topics vary depending on semester and section. Teams of undergraduate and graduate students work with faculty to investigate how race intersects with various aspects of society and lived experience. Teams often work with external experts and partners. A team's work may run in parallel with or contribute to an ongoing research project. Teams will participate in seminars, data collection and analysis, field work and other learning experiences relevant to the project. Requires final paper or product containing significant analysis and interpretation. Instructor consent required.

### RACESOC397T - Bass Connections Race & Society Research Team

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<td>RACESOC</td>
<td>397T</td>
<td>Bass Connections Race &amp; Society Research Team</td>
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**Description**

Bass Connections Year-long Project Team. Topics vary depending on semester and section. Teams of undergraduate and graduate students work with faculty to investigate how race intersects with various aspects of society and lived experience. Teams often work with external experts and partners. A team's work may run in parallel with or contribute to an ongoing research project. Teams will participate in seminars, data collection and analysis, field work and other learning experiences relevant to the project. Requires final paper or product containing significant analysis and interpretation. Instructor consent required.

### RELIGION101 - Introduction to Religious Studies

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<th>Title</th>
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<tbody>
<tr>
<td>RELIGION</td>
<td>101</td>
<td>Introduction to Religious Studies</td>
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</table>

**Description**

Introduction to leading themes and concepts in the study of religions from the ancient world to the present. Course is divided into two parts: 1) what is religion? and 2) how is religion studied? A variety of religious traditions are examined as well as various theories and definitions of religion. Includes exploration of key ways in which different religions understand such social problems as violence and ideological conflict.

### RELIGION107 - Introductory Sanskrit Language and Literature

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<tbody>
<tr>
<td>RELIGION</td>
<td>107</td>
<td>Introductory Sanskrit Language and Literature</td>
</tr>
</tbody>
</table>

**Description**

Introduces classical, literary Sanskrit, the ancient and trans-continental language of India's intellectual heritage, history, and sacred scriptures. Teaches students Devanagari script, to learn and analyze grammatical forms and structures, vocabulary, and to interpret meaning. Provides an overview to the literature and civilizational importance of Sanskrit, from the ancient past to the present.

### RELIGION108 - Intermediate Sanskrit Grammar and Readings

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<tr>
<td>RELIGION</td>
<td>108</td>
<td>Intermediate Sanskrit Grammar and Readings</td>
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**Description**

Continuation of Sanskrit 101/Religion 107, as prerequisite. Further learning of grammatical forms and structures of the higher language. Introduction of elementary readings from literature and scriptures.
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<tr>
<td>RELIGION</td>
<td>110</td>
<td>Self, Society and Art in Modern Hinduism</td>
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**Description**

An exploration of the beliefs, ethics, everyday and ceremonial practices, philosophies, mythologies, and movements that are part of the agrégately-named religion of Hinduism.

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<tr>
<td>RELIGION</td>
<td>118FS</td>
<td>Religious Freedom in America: A Legal History</td>
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</table>

**Description**

This course introduces students to the major texts and historical arguments concerning religious liberty in the United States. We will place key constitutional texts and cases into a chronologically organized historical framework, covering: European precedents to English settlement, the colonial period, nation-making and the Constitution, the early national period of religious revival and expansion, the Civil War and 14th Amendment, Mormonism, fundamentalism and secularism in the Progressive Era, WWII and religious pacifism, The Cold War, the 1960s and school prayer, the rise of the Religious Right, and recent cases involving religious freedom. Only offered in the FOCUS program.

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<tr>
<td>RELIGION</td>
<td>120</td>
<td>Buddhism</td>
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**Description**

Introduction to Buddhist texts, beliefs, rituals, and ethics in the past and present.

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<tr>
<td>RELIGION</td>
<td>122</td>
<td>Scribes and Scriptures: The Transmission of the Bible in Antiquity</td>
</tr>
</tbody>
</table>

**Description**

A study of the people and communities responsible for the writing and copying of sacred literature in antiquity, with a focus on the transmission of biblical texts. Topics include: scribal education, tools or instruments, methods of copying, and (dis)similarities in practices across time, place, and religious tradition. Ancient texts now held at Duke’s Rubenstein Rare Book and Manuscript Library will form the basis of our inquiry.

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<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>RELIGION</td>
<td>140</td>
<td>Judaism</td>
</tr>
</tbody>
</table>

**Description**

Introduction to Judaic civilization from its origins to modern times.

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<tr>
<th>Subject</th>
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<tbody>
<tr>
<td>RELIGION</td>
<td>141</td>
<td>Judaism Through Film</td>
</tr>
</tbody>
</table>

**Description**

An overview of major themes in Jewish practice, belief, identity, and history as presented through the medium of film. Emphasis will be on contemporary Judaism in Europe, America, and the Middle East.
RELIGION145 - The Old Testament/Hebrew Bible
Subject: RELIGION
Catalog Number: 145
Title: The Old Testament/Hebrew Bible
Description: Historical, literary, ethical, and theological investigations of the ancient Near Eastern context of Israelite religion and culture.

RELIGION150 - Christianity
Subject: RELIGION
Catalog Number: 150
Title: Christianity
Description: Introduction to Christian doctrine, ritual, social organization and ethics in the past and present.

RELIGION151 - Christian Orthodoxy and Heresy
Subject: RELIGION
Catalog Number: 151
Title: Christian Orthodoxy and Heresy
Description: Study of the major theological concepts of Christianity, in an attempt to understand when and why these concepts became part of the Christian legacy. We will study the theology of the Bible, the proclamations of the councils, the authoritative decisions of the churches, and the writings of the most influential Christian authors, up to our own day. For each of the focal points we will consider the historical and cultural contexts, and listen to the various participants in the debates, winners and losers. The course aims to clarify the main topics that are shared by all Christians as well as the topics that have led to division of Christianity in the past and to ongoing debate in the present.

RELIGION155 - The New Testament
Subject: RELIGION
Catalog Number: 155
Title: The New Testament
Description: Examination of the major books of the New Testament, covering their contents, ethical implications, historical and social setting, authorship, date, and theology.

RELIGION156 - Scripture: Judaism, Christianity, and Islam
Subject: RELIGION
Catalog Number: 156
Title: Scripture: Judaism, Christianity, and Islam
Description: Judaism, Christianity, and Islam are characterized as religions of the book. Their sacred texts are foundational to the faiths they represent. In spite of shared histories, overlapping contents, and parallel perspectives, their Sacred Scriptures diverge in key points of content, interpretation, and uses by their communities. In this course, students will be introduced to the history, contours, and content of the Hebrew Bible/Old Testament, the New Testament, and the Qur’an and hadith, exploring issues of scripture and authority, texts and manuscripts, translation and interpretation, performance, canonicity, ethical issues, and contemporary use.

RELIGION160 - Islam
Subject: RELIGION
Catalog Number: 160
Title: Islam
Description: Introduction to Islamic theology, practice, social institutions, and ethics in the past and present. This course uses original Islamic texts, academic prose, as well as film and fiction. Two short papers, quizzes, and brief presentation are required.
RELIGION170 - Comparative Religious Studies

Subject: RELIGION
Catalog Number: 170
Title: Comparative Religious Studies

Description:
The category of 'religion' is arguably a Western concept that is applied to Eastern traditions of thought and practice such as Confucianism, Daoism, Buddhism, and Hinduism. What are the differences, and as well as the similarities that might be hidden by the broad application of this concept, if we compare these traditions of thought and practice with the Abrahamic religions of Judaism, Christianity and Islam? How do ethical values get related to conceptions of human salvation or enlightenment and the ultimate source of the natural order? Is there a conception of free will that exists across these traditions? Is there a distinction between the realms of the secular and the sacred that runs across these traditions?

RELIGION175 - Religions of Asia

Subject: RELIGION
Catalog Number: 175
Title: Religions of Asia

Description:
Problems and methods in the study of religion, followed by a survey of the historical development, beliefs, practices, ethics, and contemporary significance of the Islamic religion and religions of south and east Asia.

RELIGION176 - Japanese Religions: Buddhas, Gods, and Monsters

Subject: RELIGION
Catalog Number: 176
Title: Japanese Religions: Buddhas, Gods, and Monsters

Description:
Buddhas, deities, and demons inhabit daily life in contemporary Japan, but many Japanese people insist that they are not religious. This course examines how 'religion' itself is understood in Japan, as well as the various strands of Japanese religious life from prehistoric times until the present. We will explore traditions including Shinto and kami (deity) worship, Buddhism, Christianity, Confucianism, and the New Religions; and investigate the ethical, social, and political dimensions of these traditions.

RELIGION181 - Silk Roads and China, Ancient and Medieval Transformations

Subject: RELIGION
Catalog Number: 181
Title: Silk Roads and China, Ancient and Medieval Transformations

Description:
The Silk Roads are the oldest and longest routes of cultural communication and economic exchange connecting Asia, Europe and Africa. In use since the days of Alexander the Great, the Roads and its rail networks now extend from China to England, connecting 70 countries and forming a vital system. This course introduces the ancient to early modern histories, cultures, and religions of the Silk Roads anchored in four themes: Alexander's empire; life in medieval cities of Chang'an, Baghdad and Constantinople; Silk Roads religions and the interactions of Buddhism, Christianity, Judaism and Islam; and the Mongol empire visited through the travels of Marco Polo.
RELIGION185 - America's Gods: Religion in the Public Square

Subject: RELIGION
Catalog Number: 185
Title: America's Gods: Religion in the Public Square

Description:
This course examines the role and manifestation of religions in American public life. It pays special attention to controversies that have shaped American legal, political, cultural, and social history. Topics include media representation of religions, public monuments, race, gender, sexuality, and religious diversity.

RELIGION186S - Religion & Humor

Subject: RELIGION
Catalog Number: 186S
Title: Religion & Humor

Description:
Why is so much humor about religion? This course will explore that question in a variety of ways by considering the social and psychological dynamics of humor in relation to the ritual practices and beliefs of several major religions.

RELIGION190A - Duke-Administered Study Abroad: Special Topics in Religion

Subject: RELIGION
Catalog Number: 190A
Title: Duke-Administered Study Abroad: Special Topics in Religion

Description:
Topics differ by section.

RELIGION190FS - Focus Program Seminars: Special Topics

Subject: RELIGION
Catalog Number: 190FS
Title: Focus Program Seminars: Special Topics

Description:
Topics vary from semester to semester. Open only to students in the Focus Program.

RELIGION190S - Special Topics Seminar

Subject: RELIGION
Catalog Number: 190S
Title: Special Topics Seminar

Description:
Topics and instructors to be announced.

RELIGION201 - Race, Film, and Religion

Subject: RELIGION
Catalog Number: 201
Title: Race, Film, and Religion

Description:
In this course, we will examine how cinema both constructs and reproduces anti-black racism and how cinema works to liberate blackness from the strictures of racial domination. We will watch films from the past three decades that provide an opportunity to interrogate the relationship between race, gender, and sexuality. These films will also enable us to think about how cinema introduces unconventional notions of the sacred, a process that involves affect, desire, and imagination. Films that we watch may include: Moonlight, Medicine for Melancholy, Black Panther, Daughters of the Dust, Get Out, US, Pariah, and Selma.
RELIGION202S - Psychedelic Religions

Description
This course aims to investigate the long history of the relationship between religion and drugs, from prehistoric to contemporary times, when psychedelics are again considered the 'new frontier' of knowledge of mind and soul. In doing so, this course also moves the study of religion to religions beyond Christianity, Judaism, Islam, Buddhism, and Hinduism, to investigate Indigenous religions in South, Central, and North America.

RELIGION203S - Modern Islam: Contemporary Islamic thought between revival and reform

Description
Course designed to give students mastery over debates in modern Islam. Islam's encounter with modernity, women's rights, fundamentalism, and colonialism. No background is necessary. Readings in English.

RELIGION204S - Neopaganism and Witchcraft

Description
Neopaganism and Witchcraft investigate the religious phenomenon loosely called Neopaganism – an inventive mixture of New Age religions, Witchcraft, Druidism, Wicca, Earth Religions, and non-Native American Shamanism. The course focus on practices principally in Europe and the United States for a particular set of reasons. Christianity and its pagan others have played a critical role in the history of modern European and American imagination of the nation-state. Race, religion, and native soil are key aspects of neopaganism's embattled self-concept, particularly in the context of globalization and the perceived menace of multi-ethnic West.

RELIGION205S - Women, Gender, and Christian Origins

Description
A study of early Christian perspectives on women and gender as expressed in the New Testament and other Jewish and early Christian writings within the context of ancient Mediterranean religions. Topics addressed include: women's roles, ancient discussions of masculinity and femininity, institutional arrangements and the household, and the development of the category 'virgin.'
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<tr>
<td>RELIGION</td>
<td>206FS</td>
<td>Clash of Civilizations: In the Heart of Europe</td>
</tr>
</tbody>
</table>

**Description**
This course focuses on the battle between barbarian invaders, established communities, and new religions in the Middle Ages. What became Spain and Portugal were battlegrounds between faiths old and new, a clash of civilizations between Christianity, Judaism, and Islam that would inform future global conflicts. We explore the history of this confrontation at the crossroad of civilizations—between East and West, Africa and Europe—and its effect on our worldview today. A common culture was forged in science, mathematics, music, literature, philosophy, and mysticism, a shared legacy shaping world history and the current world order. Part of the 'Geopolitics and Culture' Focus Cluster.

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<tr>
<td>RELIGION</td>
<td>208</td>
<td>Ancient Myth</td>
</tr>
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**Description**
Myths are humanity's longest-lasting and most powerful stories. They shape our understanding of transitions and crises, and explore the boundaries between right and wrong, life and death, and the natural and the supernatural. They can also be playful, exuberant, and highly entertaining. This course introduces students to the myths of Greece and Rome, with comparative material drawn from the Hebrew Bible and other ancient texts. Throughout the course we will also think about the role of mythology today, and the way we use stories to come to terms with ourselves and our world.

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<tr>
<td>RELIGION</td>
<td>209</td>
<td>Selected Sanskrit Readings</td>
</tr>
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</table>

**Description**
This is a reading course building on a prior knowledge of Sanskrit grammar to introduce the skills needed for reading the varieties of different kinds of texts found in Sanskrit literature including basic scriptural texts in the aphoristic 'sutra' style, more expanded Epic or lyric styles of narrative and devotional poetry, and the various protocols to be mastered for reading scholastic commentaries. The course has as a prerequisite a basic and overall knowledge of Sanskrit grammar.

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<tr>
<td>RELIGION</td>
<td>209S</td>
<td>Love, Spirit, and Mysticism: The Path of Love in Middle East and South Asia</td>
</tr>
</tbody>
</table>

**Description**
Examination of Love-based spirituality in multiple religious traditions. Focus on material originating from Persian, Urdu, Turkish, and Arabic sources. Readings will include literature and songs in English.
# RELIGION210 - The Good Life: Religion, Philosophy, and Life's Ultimate Concerns

**Subject** | RELIGION  
**Catalog Number** | 210  
**Title** | The Good Life: Religion, Philosophy, and Life's Ultimate Concerns  
**Description**  
What does it look like for a human life to go well? What leads to human flourishing or ‘happiness’ or ‘success’? What is freedom? Love? Justice? What is the basis for ethics? What is our relationship to the natural world? What is the significance of death? How do our beliefs (or lack thereof) about God or the gods shape how we view the world? We will examine how philosophical or religious traditions around the globe have answered life’s biggest questions. Traditions may include Confucianism, Islam, Christianity, Stoicism, Judaism, Buddhism, Hinduism, scientific naturalism, expressive individualism, and utilitarianism. Part of the Transformative Ideas Sophomore Program.

# RELIGION211 - Atheism

**Subject** | RELIGION  
**Catalog Number** | 211  
**Title** | Atheism  
**Description**  
This course examines atheism from the ancient world to the present as anti-religion, non-religion, disbelief, and religious disaffiliation. The course explores how the practices and positions of atheism have changed in relation to changing understandings of “religion” in a variety of religious and cultural contexts. It will examine depictions of atheism in literature, television, and film. The course will also explore the dynamics of race, class, gender, and sexuality in atheism.

# RELIGION213S - Shamanism and Spirit Possession

**Subject** | RELIGION  
**Catalog Number** | 213S  
**Title** | Shamanism and Spirit Possession  
**Description**  
Anthropological, psychological, and Religious Studies approaches to cross-cultural study of spirit possession and shamanism. Examination of in-depth case-studies and comparative works, from both literate civilizations and non-literate cultures. Engage with contemporary concerns with nature and boundaries of personhood and embodiment and their relation to leadership.

# RELIGION214S - Andalusia: Muslim, Jewish, Christian Spain

**Subject** | RELIGION  
**Catalog Number** | 214S  
**Title** | Andalusia: Muslim, Jewish, Christian Spain  
**Description**  
Intersection of cultures, religions, languages, & peoples through history, poetry, music, architecture, & philosophy in Spain. Cultural flourishing from the contact—and sometimes clash—of European, Spanish, Islamic, Arab, African, Middle Eastern, and Jewish civilizations and Arabic, Spanish, and Hebrew languages. Ends with Andalusian culture in modern music, poetry, art, dance, & architecture at the crossroads of civilizations. Includes travel to Spain over spring break so students witness firsthand the coexistence of different religious traditions and cultures. Instructor consent required.
**RELIGION215 - Greek and Roman Religion**

**Description**
Topics in Greek and Roman religion from the Bronze Age through the rise of Christianity, based on literary, documentary, and archaeological sources. Coverage within the chronological boundaries via survey, case-studies, or a combination of both. Topics might include the relationship of myth and ritual, hero cult, mysteries, festivals, interface between philosophy and religion, 'public' and 'private' religion, religious 'imports' and exoticism, architecture and landscape of religion.

**RELIGION216S - Hinduism and Judaism: Culture, Religion, and Identity**

**Description**
Using interdisciplinary comparative frameworks, this course will study how two major world religions, Hinduism and Judaism, create a dynamic cosmos that brings abiding meaning to the daily lives of millions of believers. Explores concepts such as 'ritual' and 'myth' by examining Jewish and Hindu materials from early to modern times. The broader aims of the course are to understand how each tradition imagines time, space, and matter, and to explore how claims about the sacred are transformed in modernity. Ultimately, it aims to inspire reflection on how religion, identity and culture function in the modern world.

**RELIGION217 - Islamic Civilization I**

**Description**
A global history of Islamic thought, practice, spirituality, politics, and culture. This course analyzes the emergence of Islam and the spread of Muslim culture and learning across Africa, Asia, and Europe. It introduces how Muslims fostered a globalized economy and international community of scientists, scholars, agriculturalists, musicians, artisans, and philosophers of diverse backgrounds – along with other key themes that students may pursue in greater detail in future coursework. Gateway course for an interdisciplinary certificate in Islamic studies.

**RELIGION219S - Muslim Women Across the Ages**

**Description**
This course explores the diverse realities of Muslim women's lives, from the origins of Islam to the present, through autobiographical and biographical accounts situated in their social, economic, political, and cultural contexts. The women we will encounter through textual and audiovisual materials represent a wide range of personal backgrounds, including scholars, mystics, merchants, philanthropists, poets, slavegirls, feminists, and Islamists. We will metaphorically travel across the globe and time to understand the multifarious facets of Muslim women's lived experiences.
RELIGION220 - Religions of India

Subject: RELIGION
Catalog Number: 220
Title: Religions of India

Description:
Major religious traditions of the subcontinent: Hinduism, Buddhism, Jainism, and Islam.

RELIGION221 - Indian Cinema & Social Change

Subject: RELIGION
Catalog Number: 221
Title: Indian Cinema & Social Change

Description:
Considers the transnational purchase, aesthetic, and civic sensibilities of Indian cinema focusing on Hindi-language films. Review begins with the emergence of Indian cinema in 1890s, then considers how social change became a driving force during anti-colonial resistance and nationalist reform. Course focuses on the post-independence (1947-) period, when social justice activism enters the mainframe of 'Bollywood' film. Core inquiry centers on how the cinematic imaginary of India perceives faultlines in Indian society and expresses its social voice. Themes include caste, gender, sanitation, poverty, success, religious fundamentalism, ageism, and sexuality.

RELIGION222 - Intermediate Sanskrit

Subject: RELIGION
Catalog Number: 222
Title: Intermediate Sanskrit

Description:
The second semester's follow-up to Introductory Sanskrit, this course completes an overview of the grammar and syntax of Classical Sanskrit, and transitions to primary readings in original sources of the literature. Introductory Sanskrit or its equivalent is prerequisite to this course.

RELIGION223S - Muhammad: The Prophet of Islam

Subject: RELIGION
Catalog Number: 223S
Title: Muhammad: The Prophet of Islam

Description:
Course will cover the life, legacy, and devotion to the Prophet of Islam. No background needed. All course material in English. Course will include various sources depicting the life of Muhammad, the statements attributed to the Prophet, and also the vast legacy of devotion to the Prophet.

RELIGION224S - Islam, Art, and Society

Subject: RELIGION
Catalog Number: 224S
Title: Islam, Art, and Society

Description:
Explores the historic interweaving of theology, spirituality, art, architecture, mathematics, & astronomy in the beautification of everyday objects & lived spaces. It examines how underlying principles of beauty and geometry shaped places such as hospitals, palaces, gardens, colleges, mosques, inns, and Sufi lodges as well as their historical functions in Muslim societies. Students also study and reconstruct historic examples of artistic patterns. A rotating variety of case studies across Afro-Eurasia may include sites and cultural artifacts from Bukhara, Cairo, Cordoba, Damascus, Delhi, Fes, Granada, Guangzhou, Hyderabad, Istanbul, Isfahan, Jerusalem, Malacca, Samarqand, Timbuktu & more.

RELIGION225 - Islam in the Age of Trump: Race, Immigration, and Empire

Subject: RELIGION
Catalog Number: 225
Title: Islam in the Age of Trump: Race, Immigration, and Empire

Description:
Policy and history of treatment of Muslim Americans under Trump administration; Islamophobia as state policy; policy, law, history of both African American Muslims and Muslim immigrants; racism, policies of colonialism and Empire, and anti-immigrant bigotry.
Duke University

RELIGION228 - The Turks: From Ottoman Empire to European Union

**Subject**: RELIGION  
**Catalog Number**: 228  
**Title**: The Turks: From Ottoman Empire to European Union  

**Description**: Readings in cultural history and literature to examine transformations in Turkish identity from the Ottoman era to EU accession. Discussion of the 'gazi thesis', the 'sultanate of women', religious tolerance (millets), conversion, modernity and nationalism. Secondary topics include Sufism, Islam, gender, and historiography. Interdisciplinary focus. Taught in English.

RELIGION229D - From Agra to Istanbul: Islamic Art and Architecture in the Early Modern Era

**Subject**: RELIGION  
**Catalog Number**: 229D  
**Title**: From Agra to Istanbul: Islamic Art and Architecture in the Early Modern Era  

**Description**: From glittering gold domes to vibrantly colored illuminated manuscripts, this course examines Islamic art and architecture from the Indian subcontinent to the eastern Mediterranean from the fifteenth to mid-nineteenth centuries. This period corresponds to the rise of major Islamic empires, most notably the Mughals, Safavids, and Ottomans, whose capital cities became booming centers of art and architecture. This class will explore the artistic production of these empires and consider the rich cross-cultural connections between them, as well as their relationships with the artistic traditions of both Europe and East Asia.

RELIGION230S - Jerusalem

**Subject**: RELIGION  
**Catalog Number**: 230S  
**Title**: Jerusalem  

**Description**: Seminar assesses the contribution of Jerusalem's buildings to its contentiousness from Biblical to modern times. Particular sites considered in the context of the urban history of the city from the time of Jesus through Arab, Crusader, Turkish and British rule to contemporary Israeli control. How these places act upon the religious imagination and how they affect the ideological positions of their users (and their abusers) discussed on the basis of photographs, archaeological reports, news reports, novels, sacred texts and diaries.

RELIGION231S - Augustine's City of God

**Subject**: RELIGION  
**Catalog Number**: 231S  
**Title**: Augustine’s City of God  

**Description**: Study of the literary form and argument of Augustine’s epoch-making City of God: a rhetorical tour de force of consummate artistry and stunning originality and scope; and a political, religious, and moral critique of ancient Rome within a comparative, cross-cultural analytical framework that vindicates an alternative vision of society rooted in the Christian scriptures. City of God provides a remarkable example of sophisticated literary construction, rhetorical prowess, cross-cultural examination, and moral reflection. We focus on these four facets of a celebrated synthesis that breaks new ground in historiography, political science, and moral theory.

RELIGION232S - Prophecy and Prophets: Then and Now

**Subject**: RELIGION  
**Catalog Number**: 232S  
**Title**: Prophecy and Prophets: Then and Now  

**Description**: Seminar version of Religion 232.

RELIGION234 - Martin Luther King and the Prophetic Tradition

**Subject**: RELIGION  
**Catalog Number**: 234  
**Title**: Martin Luther King and the Prophetic Tradition  

**Description**: Situates Martin Luther King as a preacher in the black Christian tradition with a liberationist reading. Traces the movement from civil rights to opposition to economic injustice, war, and militarism. Analyzes what the prophetic voices of today have to say about issues of poverty, racism, environmental destruction, militarism, homophobia, drones, sexism.
RELIGION235S - Cross-Cultural Encounters

Description
The dynamics of cross-cultural interaction have actively shaped the world for many centuries now. This class explores some of the religious, social, and economic forces that fostered increasingly global contacts in history. In particular, it examines how centrally located and cosmopolitan Muslims played a critical role in connecting people of far-flung regions, cultures, and religions with one another. It surveys the myriad encounters of Muslims, Buddhists, Confucianists, Hindus, Jews, Christians and more across Afro-Eurasia and into the Americas. How did religious networks, processes and events foster historic exchanges of ideas, practices, and commodities across the world?

RELIGION236S - Religion in Black America

Description
Seminar version of Religion 236.

RELIGION237 - Religion in American Life

Description
A historical survey, with emphasis on the ways that religious experiences, beliefs, and traditions have found expression in religious communities and institutions, and in American public life.

RELIGION238S - Activism & Christianity in Modern America

Description
An exploration of the relation of Christian belief and practices with agitation for social change, with a focus on the United States from the colonial period to the present. Attention given to how identity, power, and suffering shape historical judgments about the intersection of religion and ethics. Close readings of primary sources drawn from autobiographies, letters, sermons, poems, and treatises. Figures may include John Wesley, Sojourner Truth, Frederick Douglass, Martin Luther King Jr., Pauli Murray, Dorothy Day, Thomas Merton, Daniel Berrigan.

RELIGION240SL - West African Rootholds in Dance

Description
Lecture and dance laboratory exploring three West African traditional dance forms and their relationship to religious and social life in Africa and the Diaspora. Continuity and transformation of physical texts as cultural heritage, examined historically and aesthetically. Guest lecturers, videos, research project. Two lab sections, one for students with prior training in African Dance, and one for students with no experience.

RELIGION241 - Dance and Dance Theater of Asia

Description
Asian dance and dance theater performance genres and the cultural aesthetics that inform them. Cultural traditions of China, Korea, Japan, India, Indonesia, Thailand and Cambodia. Religious, ritual, folk and royal court forms of artistic performance. The mythology, legends and symbolic interpretations that underlie the thematic core of these performance traditions; spiritual importance of disciplined training; the intercultural translation and adaptation of Asian performance disciplines to the West.
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<tbody>
<tr>
<td>RELIGION</td>
<td>248</td>
<td>Hip Hop and Religion</td>
<td>For many people, hip-hop and religion are incompatible. Hip-hop seems to be defined by materialism, arrogance, violence, misogyny, and a general rejection of sacred ideals and values. In this course, we will challenge these assumptions by exploring the intersections between hip hop and religion, while questioning what these terms mean and signify. We will examine aspects of hip-hop (rap lyrics, video images, cultural rituals, films) that explicitly or implicitly express religious commitments and sensibilities.</td>
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<tr>
<td>RELIGION</td>
<td>249</td>
<td>Religion and Sport</td>
<td>This course explores the many ways in which sports converge with (and diverge from) religion. Lecture version to Religion 249S.</td>
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<tr>
<td>RELIGION</td>
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<td>Religion and Sport</td>
<td>This course explores the many ways in which sports converge with (and diverge from) religion.</td>
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<tr>
<td>RELIGION</td>
<td>250</td>
<td>Art and Christianity: A History of Christian Visual Culture</td>
<td>This course is an introduction to the history of Christian visual culture from the early Middle Ages to the present. Beginning with controversies concerning the nature of images and their role in Christian worship, the course moves through successive eras of Christian history, focusing on Western Europe in the medieval and early modern eras, then following Christianity around the globe in the colonial period, ending with examination of modern European and American art that draws in different ways from the history of Christian ideas and practices. Readings and discussion in class focus on objects such as reliquaries, paintings, architectural settings, illustrated books, and prints.</td>
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</table>
RELIGION254 - Christian Ethics and Modern Society

Subject: RELIGION
Catalog Number: 254
Title: Christian Ethics and Modern Society

Description:
An introduction to Christian ideals of conduct, character, and community, and to modern disputes over their interpretation and application. Are Christian virtues and principles fundamentally at odds with the ethos of liberal democracy oriented toward rights, equality, and freedom? What do Christian beliefs and moral concepts imply about issues related to identity and pluralism? What is the relationship between religious convictions, morality, and law? Special emphasis on selected political and economic problems, sexuality and marriage, capital punishment, animals and the environment, abortion, and the role of religion in public life.

RELIGION257 - Four Funerals and a Wedding: Introduction to Chinese Religious Life

Subject: RELIGION
Catalog Number: 257
Title: Four Funerals and a Wedding: Introduction to Chinese Religious Life

Description:
This is an introductory course on contemporary Chinese religious life. Students are encouraged to think comparatively about religious life with sociological as well as historical imagination. We examine the major religious traditions in China today—Confucianism, Buddhism, Daoism, Christianity, Islam, and popular religious traditions—through rituals and beliefs related to everyday life, such as birth, marriage, and death. Case studies include a history of the development of Confucianism; an analysis of essential concepts and practices in Daoism; a narrative of Catholicism in a Chinese village; a history of women's mosques in China; and a study of contemporary popular religious practices.

RELIGION257S - Four Funerals and a Wedding: Introduction to Chinese Religious Life

Subject: RELIGION
Catalog Number: 257S
Title: Four Funerals and a Wedding: Introduction to Chinese Religious Life

Description:
This is an intensive seminar on contemporary Chinese religious life. Students are encouraged to think comparatively about religious life with sociological as well as historical imagination. We examine the major religious traditions in China today—Confucianism, Buddhism, Daoism, Catholicism, Protestantism, Islam, and popular religious traditions—through rituals and beliefs related to everyday life, such as birth, marriage, and death.

RELIGION258 - Religion and the Novel in Modern India

Subject: RELIGION
Catalog Number: 258
Title: Religion and the Novel in Modern India

Description:
Indian writing in English, especially the novel, provides a unique understanding of religion in the world’s largest democracy. The novel has come of age in India, seen innovations and has influenced world literature. Indian and Indian-origin novelists have been Booker and Pulitzer winners, Commonwealth awardees, and Sahitya Akademi laureates. Course will examine how the Indian novel in English understands and mediates tradition and modernity, selfhood and society in a deeply diverse culture. Includes novels written during the twilight of British colonial rule, the Partition, and contemporary decades of rapid globalization and diasporic change.
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<tr>
<td>RELIGION</td>
<td>260</td>
<td>Pilgrimage and Tourism</td>
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<tr>
<td>RELIGION</td>
<td>261</td>
<td>From History to Fantasy: Medieval Religions in Film &amp; Fiction</td>
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<tr>
<td>RELIGION</td>
<td>262</td>
<td>Dante's Divine Comedy: Hell, Purgatory and Paradise</td>
</tr>
<tr>
<td>RELIGION</td>
<td>264S</td>
<td>Religion &amp; Journalism</td>
</tr>
<tr>
<td>RELIGION</td>
<td>265</td>
<td>The Transnational Realities of an Ancient Tradition</td>
</tr>
<tr>
<td>RELIGION</td>
<td>266S</td>
<td>Harry Potter and Religion</td>
</tr>
</tbody>
</table>

**RELIGION260 - Pilgrimage and Tourism**

**Description**

Investigation of pilgrimage and tourist destinations (Jerusalem, Rome, Santiago, Orlando, New York) from the Middle Ages to the present through a study of their material remains, primary sources and theoretical texts. Discussion of the moral and ethical issues involved in marketing authenticity from a cross-cultural and comparative perspective. Evaluation based on weekly student written assessments of the texts and the presentation of a pilgrimage site of their choice.

**RELIGION261 - From History to Fantasy: Medieval Religions in Film & Fiction**

**Description**

Explores the intersection of modern popular culture and medieval religious culture. Deep dive into how modern creators of mass entertainment use common notions of medieval faith, power, race, sexualities and violence to capture and hold our interest, teach us lessons about ourselves, and sell products. How do our ideas of faith, sexuality, race and power inspire or constrain the fiction we create about the past? What impact does this have on consumers? Monks, nuns, knights, crusades, secret societies, suffragists, alt-right, plague. Modern novels, commentaries, history, medieval texts, neurobiology, TV, films, ads, games, memes, clubs. Read, discuss, write, research.

**RELIGION262 - Dante's Divine Comedy: Hell, Purgatory and Paradise**

**Description**

A voyage through the three otherworldly places of Dante's philosophical poem (Hell, Purgatory, Paradise) whose transformation of human actions into an ordered ethical system continues to captivate readers.

**RELIGION264S - Religion & Journalism**

**Description**

This course explores the many and complex ways in which religion converges with and diverges from journalism.

**RELIGION265 - The Transnational Realities of an Ancient Tradition**

**Description**

This course traces the global development of Confucianism as religious, political, and cultural traditions from the eighteenth century to the twentieth-first century. Confucianism has taken a strong hold in East Asia for centuries, and it has also been having significant impact in Southeast Asia, especially in Vietnam, Singapore, Indonesia, and Malaysia, and today in North America as well. By examining textual, historical, and ethnographic data, this course focuses on the most recent developments of Confucianism as a religious and ritual tradition in diverse societies, while taking into account its cultural and political impact on global modernity.

**RELIGION266S - Harry Potter and Religion**

**Description**

This course explores the response of many Christians to the Harry Potter book series. Some theologically conservative Protestants have claimed that the Potter books contain satanic messages, promote witchcraft, and celebrate practices of the occult. By contrast, many supporters of the books insist they positively convey Christian messages. By investigating the debate, 'Harry Potter & Religion' also examines the history of thought concerning 'magic' and 'religion,' the sometimes blurred boundaries between religion and science, and the place of technologies of enchantment in all of the above—magic, religion, and science alike.
## RELIGION267 - Spiritual But Not Religious

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<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>RELIGION</td>
<td>267</td>
<td>Spiritual But Not Religious</td>
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</tbody>
</table>

**Description**
This course addresses one of the most pressing questions in the study of religion today: What does it mean to be 'spiritual but not religious'? This is a question that frequently appears in survey research; about a quarter of U.S. adults 'now say they think of themselves as spiritual but not religious' (Pew). In this course, we address the big questions about how to define 'religion' and 'spirituality,' and we use empirical data to acquire a new understanding of the lived experience of people who are 'spiritual but not religious,' not only in the United States, but also in Asia and other parts of the world.

## RELIGION268 - Religion and Film

<table>
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<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>RELIGION</td>
<td>268</td>
<td>Religion and Film</td>
</tr>
</tbody>
</table>

**Description**
A study of the relationship between motion pictures and religion. Focus on the comparative portrayal of organized religions; expressions of religious life; and religious topics, such as God, evil and morality, in both Western and non-Western films in which contemporary artists and intellectuals explore the challenges of modernity.

## RELIGION269S - Fragmented Memories: Polish and Polish Jewish Culture Through Film

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<tr>
<th>Subject</th>
<th>Catalog Number</th>
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<tbody>
<tr>
<td>RELIGION</td>
<td>269S</td>
<td>Fragmented Memories: Polish and Polish Jewish Culture Through Film</td>
</tr>
</tbody>
</table>

**Description**
Analyzes, compares, and assesses representations of Polish Christians and Polish Jews—their life experiences, interactions, shared and separate fates—in documentaries and fiction films made in Poland from the 1930s to the present day. Includes films by Wajda, Polanski, Munk, Kieslowski; also a 2008 documentary about pre-World War II Christian-Jewish relations in Poland by Jolanta Dylewska. All films screened with English subtitles.

## RELIGION270 - Black Gods and Monarchs: Priests and Practices of the Afro-Atlantic Religions

<table>
<thead>
<tr>
<th>Subject</th>
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<th>Title</th>
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<tbody>
<tr>
<td>RELIGION</td>
<td>270</td>
<td>Black Gods and Monarchs: Priests and Practices of the Afro-Atlantic Religions</td>
</tr>
</tbody>
</table>

**Description**
Surveys the spiritual, political and economic experience of those who worship African gods—West and Central Africans, Cubans, Brazilians, Haitians, and North Americans. The gods as sources of power, organization and healing amid local political dominance of Muslims and Christians and seismic expansion of international capitalism. West African Yoruba religion, West-Central African Kongo religion, Brazilian Candomblé and Umbanda, Cuban Santería and Palo Mayombe, Haitian Vodou, and African American Pentecostalism are examined as belief systems, and contextualized to the trans-Atlantic slave trade, long-distance commerce and pilgrimage by free people.
<table>
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<tr>
<th>Course Code</th>
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<th>Description</th>
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<tbody>
<tr>
<td>RELIGION271</td>
<td>RELIGION</td>
<td>271</td>
<td>Sex and Gender in the Hebrew Bible</td>
<td>Women in ancient Israel, early Christianity, and early Judaism in their contexts in the Near Eastern and Greco-Roman worlds, with attention to the relation between textual depictions and social reality and to the ethical issues raised by the continuing authority of biblical texts for matters of gender. Sources include the Bible, images from art, and archaeological remains.</td>
</tr>
<tr>
<td>RELIGION273</td>
<td>RELIGION</td>
<td>273</td>
<td>Astrology and Religion</td>
<td>Introduces students to astrological divinational systems, methods and thought, with a focus on the astrology of Mesopotamian-Vedic-Greek thought 600 BCE-200 CE and Chinese I-Ching-based divination-astrological systems. Class explores these as key (persistent) examples of what Joseph Needham calls ‘correlative thinking,’ a mode of thought that attempts to make sense of the world through the prediction/identification of a fundamental, dynamic pattern that is used as a template for making sense of one’s place in the world, such as the family, Yin-Yang and Five Element theories, the year and the patterns of the stars day and night, the body, numerological schemas, and so on.</td>
</tr>
<tr>
<td>RELIGION276</td>
<td>RELIGION</td>
<td>276</td>
<td>Religion and Race</td>
<td>Discussion of various ways in which ‘race’ has been defined and constructed in recent centuries using categories from biology, sociology, philosophy, genetics, anthropology, etc. Examines how religious traditions and practitioners have actively sought both to eliminate race and have been complicit in maintaining and defending it. Special focus on Judaism, Christianity, and Islam in the modern period.</td>
</tr>
<tr>
<td>RELIGION276S</td>
<td>RELIGION</td>
<td>276S</td>
<td>Religion and Race</td>
<td>Seminar version of Religion 276.</td>
</tr>
<tr>
<td>RELIGION278S</td>
<td>RELIGION</td>
<td>278S</td>
<td>Epics of India: Ethics, Politics, and Performance Traditions</td>
<td>Wide variety of epics across linguistic, geographical, and community orientations. Moral discourses, literary theory relating to epic form, performance traditions and media representations of epic narrative, and connections between political ideology and epic visions.</td>
</tr>
<tr>
<td>RELIGION281A</td>
<td>RELIGION</td>
<td>281A</td>
<td>The Cognitive Science of Religion and Morality</td>
<td>Review of recent theories of mind in cognitive science as they pertain to the nature of belief in God, religious practices, and moral attitudes. Arguments in ethics and philosophy of religion as they apply to Judaism, Christianity, and Islam. Offered only in the Duke in Istanbul semester study abroad programs. Consent of instructor required.</td>
</tr>
</tbody>
</table>
### RELIGION282AS - Science, Ethics, and Society

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<tr>
<th>Subject</th>
<th>Catalog Number</th>
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<tbody>
<tr>
<td>RELIGION</td>
<td>282AS</td>
<td>Science, Ethics, and Society</td>
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</tbody>
</table>

**Description**

Major recent public debates involving science, ethics, and policy in Britain and the United States. Exploration of issues ranging from stem cell research and global warming to health care policy and the teaching of evolution, as differently framed in the two countries. Examination of scientific, philosophical, and theological dimensions of such controversies, and how their manifestations in the public realm illuminate the relationships between scientists and laypersons, academic and popular culture, and public attitudes toward government and regulation. Open only to students in the Duke in Oxford program. Instructor consent required.

### RELIGION283 - History and Culture of Iran

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<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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<tbody>
<tr>
<td>RELIGION</td>
<td>283</td>
<td>History and Culture of Iran</td>
</tr>
</tbody>
</table>

**Description**

A multi-disciplinary approach to Iran and Persian culture. Covers history, religion, politics, literature, music, and cinema. Focuses on the developments in Iran leading up to and after the 1979 revolution. Does not require any knowledge of Persian or previous background.

### RELIGION284 - Ritual, Performance, and Religion

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<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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<tbody>
<tr>
<td>RELIGION</td>
<td>284</td>
<td>Ritual, Performance, and Religion</td>
</tr>
</tbody>
</table>

**Description**

Exposes students to theories of ritual and performance (Turner, Schechner, Grimes, Geertz, Paden) in religious and non-religious contexts; compares contexts as a way of understanding common structures and what differentiates the religious/non-religious. Guest lecturers (from religion, dance, theater, psychology, English, visual and media studies, cultural anthropology) expose students to a range of approaches to specific kinds of ritual and performance. Possibly involves both class and individual trips to local religious events and performances for field work exercises.

### RELIGION285S - Religion and Technology

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<tr>
<th>Subject</th>
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<tbody>
<tr>
<td>RELIGION</td>
<td>285S</td>
<td>Religion and Technology</td>
</tr>
</tbody>
</table>

**Description**

Explores the production and consumption of technologies that were either inspired by spiritual views or made for religious purposes. Using primary and secondary sources, archival manuscripts, film, photography, and field trips to better understand these technologies and their place in the human imaginary.
**RELIGION286S - Religion in Cyberspace**

**Subject**: RELIGION  
**Catalog Number**: 286S  
**Title**: Religion in Cyberspace  
**Description**: Is cybertechnology a religion? If so, what does that mean? Rather than an analysis of how Christians, Buddhists, Jews, or Muslims use cyberspace to practice their religions, this course will take up the thesis that cyberspace has challenged the very idea of what it means to be human and, in so doing, has itself become a religion. We will look at the 'canonization' of eccentric technologists like Elon Musk and Steve Jobs, examine the startling philosophical ideas about personhood embedded in artificial intelligence, study communities of cyberspace users casual and obsessive, and look at the ways in which cyberspace is reshaping the political landscapes of the contemporary United States.

**RELIGION287 - Religion and Science**

**Subject**: RELIGION  
**Catalog Number**: 287  
**Title**: Religion and Science  
**Description**: The diverse interactions of religion and science from the Renaissance to the present. The profound transformation of premodern science by seventeenth-century revolutions and nineteenth-century discoveries; in turn, the transformation of society, including religion, by modern science. Some consideration of physics and astronomy, but major focus on the impact of Darwinian anti-teleology and modern biology, especially animal studies, on 'natural theology' and traditional arguments from design. Thinkers to be considered include Francis Bacon, Montaigne, Spinoza, Thomas Huxley, Albert Einstein, and E. O. Wilson. Topics include evolution, human consciousness, human identity, and the human-animal boundary.

**RELIGION287S - Religion and Science**

**Subject**: RELIGION  
**Catalog Number**: 287S  
**Title**: Religion and Science  
**Description**: The diverse interactions of religion and science from the Renaissance to the present. The profound transformation of premodern science by seventeenth-century revolutions and nineteenth-century discoveries; in turn, the transformation of society, including religion, by modern science. Some consideration of physics and astronomy, but major focus on the impact of Darwinian anti-teleology and modern biology, especially animal studies, on 'natural theology' and traditional arguments from design. Thinkers to be considered include Francis Bacon, Montaigne, Spinoza, Thomas Huxley, Albert Einstein, and E. O. Wilson. Topics include evolution, human consciousness, human identity, and the human-animal boundary.

**RELIGION290 - Special Topics in Religion**

**Subject**: RELIGION  
**Catalog Number**: 290  
**Title**: Special Topics in Religion  
**Description**: Topics vary from semester to semester.

**RELIGION290S - Special Topics in Religion**

**Subject**: RELIGION  
**Catalog Number**: 290S  
**Title**: Special Topics in Religion  
**Description**: Seminar version of Religion 290.

**RELIGION291 - Independent Study**

**Subject**: RELIGION  
**Catalog Number**: 291  
**Title**: Independent Study  
**Description**: Individual guided readings in a field of special interest, under the supervision of a faculty member, resulting in a substantive paper or written report containing significant analysis and interpretation of a previously approved topic. For first years and sophomores with departmental approval. Consent of instructor and director of undergraduate studies required.
RELIGION292 - Independent Study

Subject: RELIGION  
Catalog Number: 292  
Title: Independent Study  

Description: See Religion 291. For first years and sophomores with departmental approval. Consent of instructor and director of undergraduate studies required.

RELIGION293 - Research Independent Study

Subject: RELIGION  
Catalog Number: 293  
Title: Research Independent Study  

Description: Individual research and readings in a field of special interest, under the supervision of a faculty member, resulting in a substantive paper or written report containing significant analysis and interpretation of a previously approved topic. For first years and sophomores with departmental approval. Consent of instructor and director of undergraduate studies required.

RELIGION294 - Research Independent Study

Subject: RELIGION  
Catalog Number: 294  
Title: Research Independent Study  

Description: See Religion 293. For first years and sophomores with departmental approval. Consent of instructor and director of undergraduate studies required.

RELIGION295S - Black Muslims: Race, Religion, & Culture

Subject: RELIGION  
Catalog Number: 295S  
Title: Black Muslims: Race, Religion, & Culture  

Description: The intersection of African, American, European, and Islamic cultures studied through the cultural and intellectual flourishing of black Islam. Topics include early Muslim communities established in the Americas through the transatlantic slave trade, Muslim slave rebellions in Brazil and the Caribbean, Muslim slave autobiographies, African Muslims in Europe, the emergence of the Moorish Science Temple and the Nation of Islam, Elijah Muhammad, Malcolm X, Muhammad Ali, women of the Nation of Islam, women's Qur'an exegeses, Hagar as a black woman, black feminism, the Five-Percent Nation, Islamic hip-hop and rap, 'the Black Crescent,' the black international and Islam, and the Black Panthers.

RELIGION301D - Religion, Restrictions, and Violence

Subject: RELIGION  
Catalog Number: 301D  
Title: Religion, Restrictions, and Violence  

Description: An examination of the historical roots and current manifestations of religiously-justified violence and disenfranchisement, with a focus on the Abrahamic traditions (Judaism, Christianity, and Islam). The violence treated will include the expressly physical as well as the more insidiously existential, including political and cultural marginalization. Major loci of exploration will include gender and sexuality, Israel-Palestine, and the intersection of contemporary identities. Topics include the nature of extremisms within each tradition, the challenges of assimilation and 'modernity,' and the role and nature of citizenship and territory.

RELIGION310S - Literary Translation: History, Theory, and Practice

Subject: RELIGION  
Catalog Number: 310S  
Title: Literary Translation: History, Theory, and Practice  

Description: A study of the theory and practice of translation from antiquity to the present, with a focus on religious, literary, and philosophical texts and the distinctive challenges involved in rendering such works into a different language. Topics include analysis of historically-significant translations, a survey of the history and theory of translation as a practice, a close study of the ethics of translation, and a workshop in which students will prepare, revise, and analyze their own translations. Prerequisite: Three semesters of language.
### RELIGION318S - Asian Religion and Knowledge of the Other

**Subject**  | RELIGION  
---|---
**Catalog Number**  | 318S  
**Title**  | Asian Religion and Knowledge of the Other  

**Description**
This is a course that deals with some of the most fundamental questions in our modern global age: How do we understand societies that seem very different from our own? How do we relate to people who come from different cultural traditions and how do we understand religions that are distinct from our own? In order to answer these questions, we need to comprehend the various conceptualizations of the so-called 'Other' and our relationship with 'the Other.' We examine the diverse way through which we engage with Asian religions, such as Confucianism and Tibetan Buddhism, in the West, as well as the actual religious experience of Asian Americans, in particular Chinese-Americans.

### RELIGION320S - Modern Buddhism in Asia and America

**Subject**  | RELIGION  
---|---
**Catalog Number**  | 320S  
**Title**  | Modern Buddhism in Asia and America  

**Description**
An examination of Buddhism in Asia, Europe, and the United States from the mid-nineteenth century to the present. Emphasis on global exchanges that resulted in the emergence of Buddhism in the United States and Europe and the transformation of Buddhism in Asia.

### RELIGION321S - Buddhist Ethics

**Subject**  | RELIGION  
---|---
**Catalog Number**  | 321S  
**Title**  | Buddhist Ethics  

**Description**
Survey of various Buddhist understandings of ethics, both classical and contemporary. How different Buddhist communities have responded to such ethical problems as the existence of evil, war, injustice, and suffering as well as contemporary Buddhist debates over abortion, ethnic fratricide, human rights, environmental problems, economic justice, and cloning.

### RELIGION323 - Buddhist Meditation in Transformation: Historical, Scientific, and Medical Perspectives

**Subject**  | RELIGION  
---|---
**Catalog Number**  | 323  
**Title**  | Buddhist Meditation in Transformation: Historical, Scientific, and Medical Perspectives  

**Description**
An in-depth examination of the Buddhist path and techniques of self-transformation in various Buddhist cultures, both premodern and modern. The differing conceptions of the psychophysical person and the goals of Buddhist practice assumed by these meditative techniques will be investigated. As part of the examination of Buddhist meditation, students will have an opportunity to experience a range of practices and to reflect on the role of meditation in the construction of Buddhist maps of human development. Not open to students who took this course as an 89S First Year Seminar.
<table>
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<tr>
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<th>Description</th>
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<tbody>
<tr>
<td>RELIGION323S</td>
<td>Buddhist Meditation: Cultivation Practices and Psychology</td>
<td>RELIGION</td>
<td>323S</td>
<td>Buddhist paths and techniques of self-transformation in premodern and modern Buddhist cultures. Conceptions of the psychophysical person and goals of Buddhist practice assumed by these meditative techniques. Reinterpretation and modification of traditional meditation practices in contemporary Buddhist societies. Students who took this course as an 89S First Year Seminar are not eligible to enroll.</td>
</tr>
<tr>
<td>RELIGION324</td>
<td>Zen Buddhism: A Survey from Its Origins to the Present Day</td>
<td>RELIGION</td>
<td>324</td>
<td>An examination of Zen Buddhism from its origins to its global spread in the nineteenth-twentieth centuries.</td>
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<tr>
<td>RELIGION325</td>
<td>The Seven Deadly Sins: Representing Vice and Virtue in Christian Tradition</td>
<td>RELIGION</td>
<td>325</td>
<td>This course will trace the motif of the seven deadly sins in Western tradition, exploring two methods of understanding human psychology and behavior: the philosophical school of virtue ethics, which provides an account of how our actions and habits shape our characters and identities, and the artistic technique of allegory, which externalizes our inner life in vivid, sometimes shocking images, characters, and stories. Readings are drawn from philosophy (Aristotle, Aquinas), literature (Dante, Chaucer, Spenser), art (Giotto, Bosch), and present-day pop culture. Course assignments include both analytical essays and creative projects.</td>
</tr>
<tr>
<td>RELIGION326S</td>
<td>Literary Islam</td>
<td>RELIGION</td>
<td>326S</td>
<td>The Quran as scripture; mystical poetry; stories of the early community; literary cultures in the early community; modern reinterpretations of Islamic sources; Islamist literature; modern Islamic poetry, novels, plays, and stories.</td>
</tr>
</tbody>
</table>
RELIGION333S - Buddhism, Death, and Dying: Religious and Medical Perspectives

**Subject**  RELIGION  
**Catalog Number**  333S  
**Title**  Buddhism, Death, and Dying: Religious and Medical Perspectives

**Description**  
A consideration how traditional Buddhist conceptions of dying, death, and the after life have shaped 21st-century approaches to death. After examining conceptions of death and death-bed practices, in Buddhism and the medical profession, we will consider the role played by American Buddhists in reshaping contemporary attitudes towards end-of-life care.

RELIGION340 - Jewish History, 1492 to the Present

**Subject**  RELIGION  
**Catalog Number**  340  
**Title**  Jewish History, 1492 to the Present

**Description**  
Major developments in Jewish history from the early modern period to today. The Kehillah, the Spanish-Jewish Diaspora, the rise of Polish Jewry, the Safed Kabbalah, Sabbatianism, the emergence of the Chassidut, the Haskalah (Jewish Enlightenment), Emancipation and the nation state, Reform Judaism, economic modernization, racial antisemitism, Zionism, the Holocaust, the State of Israel, flourishing Jewish pluralism in the United States, the future: nation and Diaspora?

RELIGION342 - The Holocaust

**Subject**  RELIGION  
**Catalog Number**  342  
**Title**  The Holocaust

**Description**  
Antisemitism and the Jewish question in Central Europe, the development of Nazi policy, the Final Solution in its different sites (ghetto, labor camps, extermination camps) and institutions (SS, Judenrat), the Holocaust's legacy. Historiographical debates and documentary research.

RELIGION350S - Non-Canonical Gospels

**Subject**  RELIGION  
**Catalog Number**  350S  
**Title**  Non-Canonical Gospels

**Description**  
Historical-critical study of early non-canonical Christian Gospels, with special reference to the Gospel of Thomas, the Gospel of Peter, the Protevangelium of James, the Infancy Gospel of Thomas, Papyrus Egerton 2, Gospel of Mary, Gospel of Judas, Gospel of Philip, Dialogue of the Savior and Secret Mark; their relationship to other early Christian texts, their view of Jesus, their place in early Christianity; questions of authority, canon, canonical-bias, and concepts of heresy and orthodoxy.

RELIGION351 - Jesus and the Gospels

**Subject**  RELIGION  
**Catalog Number**  351  
**Title**  Jesus and the Gospels

**Description**  
Investigation of Jesus as he is portrayed in the Synoptic Gospels (Matthew, Mark, and Luke) and John, looking also at literary relationships, dates, and historical contexts, with special focus on the historical Jesus, eschatology, parables, stories about the miraculous, passion narratives, and gospel women.

RELIGION352 - The Life and Letters of Paul

**Subject**  RELIGION  
**Catalog Number**  352  
**Title**  The Life and Letters of Paul

**Description**  
Paul's biography and character, the social and physical circumstances of his work, his thought, and its relationship to ancient Jewish and Hellenistic ethics and beliefs.
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<thead>
<tr>
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<th>Title</th>
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<tbody>
<tr>
<td>RELIGION353</td>
<td>353</td>
<td>Ethical Issues in Early Christianity</td>
</tr>
<tr>
<td>RELIGION354S</td>
<td>354S</td>
<td>Christian Ethics and Modern Society</td>
</tr>
<tr>
<td>RELIGION360</td>
<td>360</td>
<td>Jesus in Film</td>
</tr>
<tr>
<td>RELIGION361</td>
<td>361</td>
<td>The End of The World: Apocalyptic Arguments from Antiquity to the Present Day</td>
</tr>
</tbody>
</table>

**RELIGION353 - Ethical Issues in Early Christianity**

**Description**
Investigation of two major transitions in the early Christian movement and their impact on the formulation of Christian ethics: Christianity’s transition from a sect within Judaism to a Greco-Roman religious movement whose constituency came largely from the ‘pagan’ world, and its transition from a sect in danger of persecution to a religion favored and supported by Roman imperial authorities. How these transitions are reflected in early Christian attitudes toward, and practices concerning, poverty and wealth, war and military service, marriage and sexuality, capital punishment, slavery, and other issues.

**RELIGION354S - Christian Ethics and Modern Society**

**Description**
An introduction to Christian ideals of conduct, character, and community, and to modern disputes over their interpretation and application. Are Christian virtues and principles fundamentally at odds with the ethos of liberal democracy oriented toward rights, equality, and freedom? What do Christian beliefs and moral concepts imply about issues related to identity and pluralism? What is the relationship between religious convictions, morality, and law? Special emphasis on selected political and economic problems, sexuality and marriage, capital punishment, animals and the environment, abortion, and the role of religion in public life.

**RELIGION360 - Jesus in Film**

**Description**
Studies a variety of cinematic and television films that focus on Jesus; compares and contrasts documentary approaches with dramatic depictions; views the films alongside scholarship on Christian origins and asks what these films reveal about their creators, their social locations and their source material; investigates the reception of these films in both academic and popular culture.

**RELIGION361 - The End of The World: Apocalyptic Arguments from Antiquity to the Present Day**

**Description**
Traces end-time arguments, predictions, and prophecies from the second-century BCE until the present day. Why are prophecies of doom so compelling? Why must time come to a stop? What happens after the world’s end? Who decides? Close study of the role of apocalyptic eschatology in Judaism, Christianity, and Islam across time and place provides a lens for interpreting more recent apocalyptic movements, texts, claims, and artistic productions.
**RELIGION367 - Bodies, Sex, & Christianities**

**Subject**
RELIGION

**Catalog Number**
367

**Title**
Bodies, Sex, & Christianities

**Description**
Christian scripture, literature, and art abounds with female figures. From the Virgin Mary to female saints, the Christian tradition has memorialized extraordinary women as models for lay women. How did Christianity challenge and preserve norms for female behavior? How did ascetic women and female martyrs transgress gender expectations? This course navigates the pitfalls and opportunities that the study of women offers for understanding the development of Christian belief and institutions. We will trace how gender was theorized and normative behavior prescribed and enforced within the periods of Late Antiquity, the Middle Ages, Reformation and modern day.

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**RELIGION368S - The Theology and Fiction of C. S. Lewis**

**Subject**
RELIGION

**Catalog Number**
368S

**Title**
The Theology and Fiction of C. S. Lewis

**Description**
A study of texts of cultural criticism, fantasy fiction, and theological and moral argument by C. S. Lewis; their dependence on the cultural situation in which they were deployed; an engagement with the interaction of magic, science, and religion; and the reasons for their continuing force and wide appeal.

---

**RELIGION370S - Understanding the Qur’an**

**Subject**
RELIGION

**Catalog Number**
370S

**Title**
Understanding the Qur’an

**Description**
The Qur’an is the Islamic scripture. This course explores the history of revelation or words of God in Islam; formation of the Qur’an as a book; its interpretation from medieval to modern time; its major themes; how the Qur’an introduces itself: the book of light, guidance, virtues and Islamic values and standards, or the book of law? the question of translatability; teaching the Qur’an as religious literature from a neutral viewpoint that could be understood from a secular, or non-theological perspective; the lessons one might apply from literary criticism, biblical studies, and historical methodology; and its message for the human beings in the contemporary world.

---

**RELIGION371A - Religion, Security and Global Citizenship in the Arab World**

**Subject**
RELIGION

**Catalog Number**
371A

**Title**
Religion, Security and Global Citizenship in the Arab World

**Description**
Examine how the Arab world is embodied in the global or world system of the 21st century. Learn the specific accents that inform its citizens and shape its prospects locally, regionally and internationally. Examine how the major Abrahamic traditions - Judaism, Christianity and Islam - had their historical origins in the eastern Mediterranean world, and how they continue to have adherents that populate the region and challenge the modern notion of citizenship. Explore how the current uprising reflects the challenges of reconciling local aspirations with global forces. STUDY ABROAD: Duke in the Arab World Summer 2012
RELIGION373S - Islamic Mysticism

Subject: RELIGION
Catalog Number: 373S
Title: Islamic Mysticism

Description:
This course introduces the history and key concepts of Islamic spirituality through the lives, writings, institutions, and influence of Muslim sages, ascetics, and saints across Africa, Europe, Asia, and the Americas. Critical topics include Sufi origins, psychology, healing, music, poetry, politics, and the aspiration to beautify one's self and society through connection with the Divine.

RELIGION374S - Islam & the Meaning of Life

Subject: RELIGION
Catalog Number: 374S
Title: Islam & the Meaning of Life

Description:
The range of topics implicated by 'meaning of life' as essentials of Islamic philosophy and theology includes the features of the good life; true happiness; the quest for eternity and not to be forgotten; overcoming loneliness and alienation; peacefullness; seeking truth and reducing suffering; living in a purposeful universe; free will; the ultimate purpose of the human life; necessary cause for moral obligations; faith and reason; human dignity; the quest for absolute beauty and good; knowing the Beginning and the Return; the observation of transcendence and immanence; the origin of mercy, love, friendship, justice, fairness, and hope; 'the wholly other'; the exemplar of the human being.

RELIGION376 - Islamic Civilization II

Subject: RELIGION
Catalog Number: 376
Title: Islamic Civilization II

Description:
Continuation of Religion 375.

RELIGION377S - Religion and Politics in Post-Revolutionary Iran

Subject: RELIGION
Catalog Number: 377S
Title: Religion and Politics in Post-Revolutionary Iran

Description:
The relationship between religion and politics; Islam and politics; Islamic political theology and ethics; stages of Shi'ite Islam and politics; Iran between two revolutions; political Islam; Khomeini's political thought; Iranian Constitution; tension between theocracy, secularism, and democracy; quasi-democracy and elections; expediency and secularization; civil and Islamic law; Muslim fundamentalists, traditionalists, and reformists; from competitive electoral to the non-competitive electoral authoritarian regime; women's rights; religious and ethnic minorities; foreign policy; revolutionary guards; Khomeini and Khamenei administrations; the future of Islamic republic of Iran.
<table>
<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>RELIGION</td>
<td>378S</td>
<td>Islam in Asia</td>
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<tr>
<td>RELIGION</td>
<td>379S</td>
<td>Islamic Media</td>
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<tr>
<td>RELIGION</td>
<td>380</td>
<td>Muslim World: Transformations and Continuities</td>
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<td>RELIGION</td>
<td>381</td>
<td>Rumi: Mysticism and Poetry</td>
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<tr>
<td>RELIGION</td>
<td>382SA</td>
<td>Transnational Muslims in Germany: Politics of Migration, Religion, and Culture</td>
</tr>
<tr>
<td>RELIGION</td>
<td>384S</td>
<td>Islam in the Americas</td>
</tr>
</tbody>
</table>

**RELIGION378S - Islam in Asia**

**Description**
Focus on the northern tier of Muslim-inhabited lands. The early spread of Islam among continental Asia's non-Arab peoples. The evolution of Muslim religious and cultural institutions under Mongol, Central Asian, Russian and Chinese empires. Asian Muslim encounters with European modernity and experience of Muslims under and after Soviet/Chinese socialist regimes.

**RELIGION379S - Islamic Media**

**Description**
How contemporary technologies reawaken the sense of the sacred in daily life, rather than destroy it. How technologies new and old circulate the Word in its multiple incarnations, but also cultivate modes of communal identification. How Islamic media transform the social and political landscape, as well as the way we see/feel and perceive the world. How religion has been intensified, diversified, and inflected by the information age. How this media constitutes the very experience of religion. Film, video, digital media, satellite television, social media, print media, audiocassettes, radio, music.

**RELIGION380 - Muslim World: Transformations and Continuities**

**Description**
The diversity of social practices within the community of Islam. Particular emphasis on gender relations, religious movements, diaspora communities, and social change.

**RELIGION381 - Rumi: Mysticism and Poetry**

**Description**
Rumi, the iconic poet of Persian Islamic tradition; course examines his writings, context, and legacy. Involves students’ research. Encourages students to cultivate critical skills by assessing relevant scholarship and developing multidisciplinary methodologies. All readings in English; no previous coursework or command of Persian/Arabic required.

**RELIGION382SA - Transnational Muslims in Germany: Politics of Migration, Religion, and Culture**

**Description**
Critically analyzes political debates about Muslims and Islam in Europe that often cast them as a ‘security threat’ or a ‘problem’ of failed integration. Traces the geographical production of Muslim subjects through transnational flows, networks and imaginaries. Examines a series of topics including debates about the headscarf, Muslim women’s dress, mosque construction, Muslim civil society organizations, and the refugee crisis in Germany. Taught in English as part of the Duke Middle East in Europe program.

**RELIGION384S - Islam in the Americas**

**Description**
Explores how Muslim communities live and practice Islam in the American context. Examines diverse Muslim communities emerging from transatlantic exploration, trade in slaves, and migration as well as indigenous conversion. Discussion of religious and cultural identities of American Muslim peoples and consideration of questions of communal organization, religious authority, gender dynamics, youth culture, political and civic engagement, as well as American Muslim comedy and entertainment. Examination of impact of 9/11 upon American Muslims, their responses to the tragedy, and Americans’ shifting perceptions of Islam and Muslims.
RELIGION385S - Islam, Medicine, and Healing

**Subject** RELIGION  
**Catalog Number** 385S  
**Title** Islam, Medicine, and Healing

**Description**  
This course explores the global history of Islamic medicine and healing through the intersections of religion and medicine in multiple contexts. It investigates how questions of health, healing, and illness have been addressed across premodern patterns, colonial and post-colonial transitions, up to the present. Students will examine how different approaches to spirituality, law, and science congeal and compete in relation to the human body, animals, food, pharmaceuticals, medicine, and hospitals. Through considering traditional healing practices to contemporary bioethics, this class analyzes how religion and medicine have been constituted, lived, and experienced around the world.

RELIGION388S - Muslim Ethics and Islamic Law: Issues and Debates

**Subject** RELIGION  
**Catalog Number** 388S  
**Title** Muslim Ethics and Islamic Law: Issues and Debates

**Description**  
Premodern judicial arrangements and the contestations surrounding their modern incarnations. Topics include bioethics, gender and family law, war and peace, environmental issues, and political ethics.

RELIGION389 - Black Religion, Anguish, and Liberation

**Subject** RELIGION  
**Catalog Number** 389  
**Title** Black Religion, Anguish, and Liberation

**Description**  
In this course, we will study the relationship between race, religion, and politics in the context of black strivings for liberation in the Americas, the trans-Atlantic, and so forth. We will examine how struggles against anti-black violence have been inspired by criticisms and re-interpretations of prevailing religious ideas and practices in addition to the creation of new conceptions of the sacred. We will focus on two different contexts/movements — anti-slavery/abolitionist movements and mid 20th century black freedom/decolonial struggles —considering in each case how religion is both an object of critique and a source of empowerment, agency, and resistance.

RELIGION390A - Duke-Administered Study Abroad: Advanced Special Topics in Religion

**Subject** RELIGION  
**Catalog Number** 390A  
**Title** Duke-Administered Study Abroad: Advanced Special Topics in Religion

**Description**  
Topics differ by section.

RELIGION390S - Junior-Senior Seminars

**Subject** RELIGION  
**Catalog Number** 390S  
**Title** Junior-Senior Seminars

**Description**  
Topics and instructors to be announced.

RELIGION391 - Independent Study

**Subject** RELIGION  
**Catalog Number** 391  
**Title** Independent Study

**Description**  
See Religion 291. For juniors and seniors with departmental approval. Consent of instructor and director of undergraduate studies required.
RELIGION 392 - Independent Study
Subject: RELIGION
Catalog Number: 392
Title: Independent Study
Description: See Religion 291. For juniors and seniors with departmental approval. Consent of instructor and director of undergraduate studies required.

RELIGION 393 - Research Independent Study
Subject: RELIGION
Catalog Number: 393
Title: Research Independent Study
Description: See Religion 293. For juniors and seniors with departmental approval. Consent of instructor and director of undergraduate studies required.

RELIGION 394 - Research Independent Study
Subject: RELIGION
Catalog Number: 394
Title: Research Independent Study
Description: See Religion 293. For juniors and seniors with departmental approval. Consent of instructor and director of undergraduate studies required.

RELIGION 399S - James Baldwin and Toni Morrison
Subject: RELIGION
Catalog Number: 399S
Title: James Baldwin and Toni Morrison
Description: This course will examine the novels and essays of James Baldwin and Toni Morrison, focusing on a range of topics: blackness, gender, sexuality, the relationship between race, religion, and nation, and the relationship between anguish and hope. While considering the differences between these authors, we will explore how Baldwin and Morrison converge on a set of ethical and existential themes and concerns. In particular, the course will focus on a shared 'ethics of haunting,' a sense that a better future relies on our capacity to remember, mourn, and be unsettled by forms of racial and gendered violence that mark the past and present.

RELIGION 401 - The Problem of Evil: God, Evil, Suffering, Sin, Meaning of Life, and Philosophy of Religion
Subject: RELIGION
Catalog Number: 401
Title: The Problem of Evil: God, Evil, Suffering, Sin, Meaning of Life, and Philosophy of Religion
Description: 'The problem of evil' as the challenge of reconciling the existence of an absolutely perfect being (Omnipotent, Omniscient, and omnibenevolent God) with the existence of sin and suffering has one of the greatest problems of intellectual history from ancient to modern times. The problem of evil effects the 'meaning of life' deeply, so it is not exclusive to the monotheists, and involves atheists as well. This is an introduction to the problem of evil, and explores its major issues and concepts: the logical problem of evil, the evidential problem of evil, soul-making theodicy, natural law theodicy, process theodicy, anti-theodicy, free will defense, reformed epistemology, and skeptical theism.

RELIGION 469S - Capstone Seminar: Islamic Law In History
Subject: RELIGION
Catalog Number: 469S
Title: Capstone Seminar: Islamic Law In History
Description: This seminar focuses on Islamic law and Muslim jurists in social and economic history, with a special attention on the last two hundred years. In a historical anthropology of law, we read primary sources in English translation and secondary literature about the norms and practices of law in Muslim and non-Muslim polities. We look at law as a domain of social interaction, an instrument of government, and part of statecraft in Muslim polities. The main goals of the class are 1) to help students in understanding Islamic legal terms and the difference between norm and practice 2) to help students using the distinction between primary and secondary sources in an original research paper.
RELIGION490S - Junior-Senior Seminars
Subject: RELIGION
Catalog Number: 490S
Title: Junior-Senior Seminars
Description: Topics and instructors to be announced.

RELIGION493 - Honors Research
Subject: RELIGION
Catalog Number: 493
Title: Honors Research
Description: Course credit contingent upon successful completion of Religion 494. Consent of the director of undergraduate studies required.

RELIGION494 - Honors Research
Subject: RELIGION
Catalog Number: 494
Title: Honors Research
Description: Continuation of, and required for credit for, Religion 493. Prerequisite: Religion 493. Consent of the director of undergraduate studies required.

RELIGION80S - Special Topics in Writing
Subject: RELIGION
Catalog Number: 80S
Title: Special Topics in Writing
Description: Various topics with diverse readings and intensive writing.

RELIGION89S - First-Year Seminar
Subject: RELIGION
Catalog Number: 89S
Title: First-Year Seminar
Description: Topics vary each semester offered.

RIGHTS103FS - Human Rights: Back to The Future, Looking at Roots and Current Reality of Human Rights
Subject: RIGHTS
Catalog Number: 103FS
Title: Human Rights: Back to The Future, Looking at Roots and Current Reality of Human Rights
Description: This Focus course introduces students to a brief history of rights as a way to ground our exploration of current human rights challenges and what rights may be envisioned in the future. Rights have never been static. Recent changes in how we see rights include the right to truth in post-conflict societies and animal rights. We’ll explore how cutting-edge thinkers contribute to an expanded horizon of rights. We will be engaging with activists, scholars, and artists. Open only to students in the Focus Program.
**RIGHTS104 - Introduction to Human Rights: Gateway for the Human Rights Certificate**

Subject: RIGHTS  
Catalog Number: 104  
Title: Introduction to Human Rights: Gateway for the Human Rights Certificate

**Description**

This is the Gateway course for the Human Rights Certificate. Students are introduced to the history, theory, practice of, and current issues in human rights. The course is interdisciplinary.

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**RIGHTS106FS - Documenting the Middle East: Community and Oral History**

Subject: RIGHTS  
Catalog Number: 106FS  
Title: Documenting the Middle East: Community and Oral History

**Description**

Studies the documentary record of the Middle East in photography, film, and oral history. From early studio photography to recent community and student production, considers documentary expression's meaning and function. Analyzes the role of digital humanities and social media in documentary research. Uses best practices of documentary work. Includes a service-learning, hands-on documentary component: recording diverse voices from Iraqi, Syrian, and Palestinian communities. Student-produced fieldwork from the class will be permanently housed at Duke's Archive of Documentary Arts. Open only to students in the Focus Program. Department consent required.

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**RIGHTS109 - American Indians Go Graphic**

Subject: RIGHTS  
Catalog Number: 109  
Title: American Indians Go Graphic

**Description**

Introductory-level American Indian Studies course that explores historic and contemporary Native Nation-centric topics through the medium of comic books and graphic novels. These topics include representation and racialization, differing forms of activism, economic development, and settler-colonial impacts.

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**RIGHTS111FS - Pursuit of Equality: Rethinking Schools - Lens of Social Justice**

Subject: RIGHTS  
Catalog Number: 111FS  
Title: Pursuit of Equality: Rethinking Schools - Lens of Social Justice

**Description**

In 1954 the Supreme Court case Brown versus the Board of Education forever changed American schools by ending segregation and creating educational equity. Or did it? Are today's schools any more inclusive or socially just than schools were 50 years ago? Examination of ways schools may or may not perpetuate and reproduce social inequities. Focus on recent efforts to imagine and create socially just schools. Discussion of our ethical responsibilities as civically engaged citizens to work towards educational equality and provide support of schools that are inclusive, culturally responsive, and democratic. Required service-learning experience working with children in a Durham public school.
**RIGHTS112FS - Medical Ethics, Aging, and End of Life Care in the US**

**Description**

Study of medical ethics, policy, clinical, and personal issues in working with dying and bereaved people. Focuses on diverse populations in ethnicity, culture, socioeconomic status, education, sexual orientation, and more. Various models for providing care to the dying and bereaved. Visits from medical personnel. Works to be read/viewed may include 'Me, Earl, and the Dying Girl,' Charon's 'Narrative Medicine,' Gawande's 'Being Mortal,' Tolstoy's 'Death of Ivan Ilich,' Kalanithi's 'When Breath Becomes Air,' and policy articles on end of life care and physician assisted suicide. Focus Program students only. Service-Learning course. Instructor consent required.

**RIGHTS113FS - Enterprising Leadership and Civic Engagement**

**Description**

An exploration of ways that students can exercise enterprising leadership to develop innovative, resourceful solutions to important civic issues within and external to Duke University. Course includes four primary focuses: understanding models of change, exploring and practicing enterprising leadership behaviors, reflecting upon ethical values, and designing and implementing a civic engagement project on campus. Open only to students in the Focus Program. Instructor consent required.

**RIGHTS123 - American Indian Nations Today**

**Description**

This course is an introduction to the tremendous diversity of contemporary American Indian sovereign nations' and their citizens' experiences in the territory now known as the United States. American Indian Nations Today addresses the complexities of contemporary Native Nation topics by providing context for understanding the distinct political, legal, economic, social, and cultural institutions of Native Nations today. These topics and issues are analyzed from individual, local, and national Native and non-Native perspectives through readings, media, and occasional guest speakers.

**RIGHTS130 - World Music: Aesthetic and Anthropological Approaches**

**Description**

Study of musical styles and practices in relation to issues of creativity, forms of power, and cultural survival; focus on the music and experiences of indigenous peoples, refugees, migrants, and immigrants.
### RIGHTS148 - Israel/Palestine: Comparative Perspectives

**Subject** | **Catalog Number** | **Title**  
---|---|---
 RIGHTS | 148 | Israel/Palestine: Comparative Perspectives  

**Description**  
Introduction to the Israel/Palestine conflict, studied through an interdisciplinary lens, including scholarship from the fields of anthropology, environmental studies, history, geography and cultural studies. Themes include: competing nationalisms, environmental politics and resource management, peace building, refugees and displacement, humanitarian crises and challenges, representational politics. Range of primary sources will be used including human rights reports and testimonials, natural resource policies, feature and documentary film, memoirs, political treatises, and maps.

### RIGHTS156S - Gateway Seminar: Cold War America

**Subject** | **Catalog Number** | **Title**  
---|---|---
 RIGHTS | 156S | Gateway Seminar: Cold War America  

**Description**  
A gateway seminar designed to introduce undergraduates to historical analysis, research, and writing through study of one of the most gripping and hotly debated periods of modern history: the early Cold War contest between the US and the USSR. The course will examine both foreign relations and domestic life, with a focus on the searing impact of a politics of fear. We will explore areas ranging from the dropping of the atomic bomb to McCarthyism, from the crippling of the civil rights movement and the purge of gays from government employment to the devastating 1950s interventions in Iran, Guatemala, and Vietnam.

### RIGHTS173S - Human Rights and Legal Redress: Seeking Justice through Human Rights

**Subject** | **Catalog Number** | **Title**  
---|---|---
 RIGHTS | 173S | Human Rights and Legal Redress: Seeking Justice through Human Rights  

**Description**  
In this course, students will analyze through case studies the issues that confront the implementation of human rights ethics down through the layers separated by geography and culture to local implementation and enforcement. They will acquire an understanding of the international, regional and local human rights conventions and structures which propose, cultivate and enforce the ethical norms of the international human rights regime. This class addresses questions including: in what respects do enforcement options differ from place to place? When, where and under what circumstances is the human rights apparatus most effective in providing redress for rights violations? And, what are the alternatives to the human rights approach to justice?

### RIGHTS178FS - Refugees, Rights, and Resettlement

**Subject** | **Catalog Number** | **Title**  
---|---|---
 RIGHTS | 178FS | Refugees, Rights, and Resettlement  

**Description**  
35 million refugees and internally displaced persons in the world. A comparative historical overview of international refugee policy and law dealing with this growing population. Students will grapple with the ethical challenges posed by humanitarian intervention on behalf of refugees and the often unintended consequences of such policies. Students examine case studies to determine how different models for dealing with refugee resettlement affect the life chances of refugees. Service-learning course. Students will work with refugees from Bhutan, Burma and Iraq recently resettled in Durham. Instructor consent required.
RIGHTS183S - Gateway Seminar: Civil Rights and Asian Americans

Subject: RIGHTS
Catalog Number: 183S
Title: Gateway Seminar: Civil Rights and Asian Americans

Description:
Study of crucial legal and political moments in the struggle for equal civil rights of minorities, beginning with the laws of Chinese Exclusion, the struggle to define who was 'White,' the Asian Immigration Exclusion Acts, the relationships of Asians and African Americans and the struggle for equal schooling in the American South, the Japanese Concentration camps, the Redress and Reparations Civil Rights struggle, and the involvement of Asians Americans in the African American-led Civil Rights Movement in the 1960s, including working with Martin Luther King and Malcolm X, and Asian Americans in the anti-sweatshop unionization movement.

RIGHTS190 - Special Topics in Human Rights

Subject: RIGHTS
Catalog Number: 190
Title: Special Topics in Human Rights

Description:
Topics vary by semester. Check individual semester offerings for prerequisites. Instructor consent may be required.

RIGHTS190FS - Focus Program Topics in Human Rights

Subject: RIGHTS
Catalog Number: 190FS
Title: Focus Program Topics in Human Rights

Description:
Open only to students in the Focus Program. Topics vary each semester offered.

RIGHTS190S - Special Topics in Human Rights

Subject: RIGHTS
Catalog Number: 190S
Title: Special Topics in Human Rights

Description:
Topics vary by semester. Check individual semester offerings for prerequisites. Instructor consent may be required.

RIGHTS201 - Introduction to Engaged Citizenship and Social Change

Subject: RIGHTS
Catalog Number: 201
Title: Introduction to Engaged Citizenship and Social Change

Description:
Introduction to key concepts, theories, and critiques of civic engagement and social change, with a focus on competing notions of democratic citizenship. Examination of voluntarism, philanthropy, community service, political participation, social activism and other forms of community engagement. Critical reflection on ethical issues related to community engagement and social change, including critiques of progressivism and service. Students will also be asked to apply these various approaches to pressing social issues of our time, such as income inequality, environmental justice, education reform and gender and race equality.

RIGHTS201S - Introduction to Engaged Citizenship and Social Change (Gateway Course)

Subject: RIGHTS
Catalog Number: 201S
Title: Introduction to Engaged Citizenship and Social Change (Gateway Course)

Description:
Introduction to key concepts, theories, and critiques of civic engagement and social change, with a focus on competing notions of democratic citizenship. Examination of voluntarism, philanthropy, community service, political participation, social activism and other forms of community engagement. Critical reflection on ethical issues related to community engagement and social change, including critiques of progressivism and service. Students will also be asked to apply these various approaches to pressing social issues of our time, such as income inequality, environmental justice, education reform and gender and race equality. Consent of instructor is required.
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<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
<th>Description</th>
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<tbody>
<tr>
<td>RIGHTS205</td>
<td>205</td>
<td>Introduction to Racial and Ethnic Minorities in American Politics</td>
<td>The politics of four of the United States principal racial minority groups—blacks, Latinos, Asians, and American Indians.</td>
</tr>
<tr>
<td>RIGHTS208</td>
<td>208</td>
<td>The Anthropology of Race</td>
<td>Human variation and the historical development of concepts of race; science and scientific racism; folk-concepts of race; and the political and economic causes of racism; ethics of racism.</td>
</tr>
<tr>
<td>RIGHTS211</td>
<td>211</td>
<td>Social Inequality</td>
<td>The nature, forms, and socioeconomic bases of inequality. Age, gender, race, ethnicity, class, region, and family as dimensions of inequality. Variations in the structure of inequality over time and across nations. How educational institutions, economic development, work institutions, and state welfare programs affect the shape of inequality. Social inequality and social mobility.</td>
</tr>
<tr>
<td>RIGHTS213</td>
<td>213</td>
<td>United States Environmental Policy</td>
<td>An overview of the major environmental legislation in the United States. Topics include: air and water pollution, hazardous waste, agriculture, wildlife, and institutions. Political, economic, ethical, and scientific analysis. Open to juniors or seniors or by consent of instructor.</td>
</tr>
<tr>
<td>RIGHTS214S</td>
<td>214S</td>
<td>Ethical Challenges in Environmental Conservation</td>
<td>Examination of current ethical challenges in environmental conservation. Topics include: the philosophical basis and challenges of mankind's responsibility to the natural world; prioritization of often conflicting conservation efforts; balancing the needs of humans and the environment; the disputed role of scientists as advocates; and the philosophical and political obstacles to conservation efforts. Analysis of the evolving environmental movement, in relation to current issues.</td>
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### RIGHTS215 - Sociology of Racism in America

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<th>Subject</th>
<th>Catalog Number</th>
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<tr>
<td>RIGHTS</td>
<td>215</td>
<td>Sociology of Racism in America</td>
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**Description**

Examines social history of major racial groups in the US and relationships to contemporary standing. Discusses central concepts sociologists use to analyze racial matters. Central theme: ‘racism’ is not mere ‘prejudice,’ ‘ignorance,’ or ‘intolerance,’ but a comprehensive historical system of racial domination organized around the logic of white supremacy. Discussion of ‘whiteness’ in the USA—how whiteness emerged as a social category, an identity based on experiences of variety of European ‘peoples,’ how it dominated the racial structure of the US since the 17th century, how wealth has been distributed along racial lines, racialization of Asians and Latinos, and color blind racism.

### RIGHTS216S - Global Migration and Ethics

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<tr>
<td>RIGHTS</td>
<td>216S</td>
<td>Global Migration and Ethics</td>
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</table>

**Description**

Same as Cultural Anthropology 216 except in seminar format.

### RIGHTS217S - South African Past and Present

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<tr>
<td>RIGHTS</td>
<td>217S</td>
<td>South African Past and Present</td>
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</tbody>
</table>

**Description**

Explores the history of modern South Africa from the beginning of the mineral revolution in the 1860s to the post-apartheid present. We will cover mining-centered industrialization, the emergence of Afrikaner and African nationalism, segregationist ideology, and the construction of apartheid. We will examine the plethora of anti-apartheid struggles, and the regional and wide-ranging global efforts to end apartheid and usher in democracy. The establishment and promise of multi-party democracy, the AIDS epidemic, and the reemergence of social movements are all topics we will consider and we will conclude by reflecting on the place of South Africa as a regional, continental, and world power.

### RIGHTS218S - Conflict Analysis in Africa (Case Studies)

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<tr>
<td>RIGHTS</td>
<td>218S</td>
<td>Conflict Analysis in Africa (Case Studies)</td>
</tr>
</tbody>
</table>

**Description**

Utilizes four case studies to outline components of conflict analysis in Africa. Examines regional crisis nexus between Darfur, Chad and Central African Republic. Looks at issues of postcoloniality, autochthony, migration, citizenship, land tenure, and inequality. On a theoretical level, identifies potentially crosscutting, deeper layers of contemporary crises in Africa with the objective of establishing a series of templates, a ‘protocol’, for comparative conflict analysis and conflict management in Africa.
### RIGHTS219 - War, Slavery, and Revolution in the Caribbean, 1700-1800

**Subject**  
RIGHTS

**Catalog Number**  
219

**Title**  
War, Slavery, and Revolution in the Caribbean, 1700-1800

**Description**  
The development of Caribbean society and economy in the contexts of slavery, empire, international rivalry, and democratic revolution.

### RIGHTS219S - Muslim Women Across the Ages

**Subject**  
RIGHTS

**Catalog Number**  
219S

**Title**  
Muslim Women Across the Ages

**Description**  
This course explores the diverse realities of Muslim women’s lives, from the origins of Islam to the present, through autobiographical and biographical accounts situated in their social, economic, political, and cultural contexts. The women we will encounter through textual and audiovisual materials represent a wide range of personal backgrounds, including scholars, mystics, merchants, philanthropists, poets, slavegirls, feminists, and Islamists. We will metaphorically travel across the globe and time to understand the multifarious facets of Muslim women's lived experiences.

### RIGHTS220S - Anthropology and Global Health

**Subject**  
RIGHTS

**Catalog Number**  
220S

**Title**  
Anthropology and Global Health

**Description**  
Investigates connections between anthropology and global health. Readings based on ethnographic research conducted globally. Topics include cross-cultural experiences of epidemics, ethical implications of globalizing clinical trials, moral and political dimensions of health and humanitarian interventions, connections between nationalism and population policy, overlaps between traditional healing systems and public health programs, how gender ideologies shape reproductive health, and questions of identity, power, and ethics amidst global rollout of HIV therapies.

### RIGHTS221 - Race, Power, and Identity: From Ali to Kaepernick

**Subject**  
RIGHTS

**Catalog Number**  
221

**Title**  
Race, Power, and Identity: From Ali to Kaepernick

**Description**  
Exploration of historic and contemporary psycho-social and socio-cultural aspects of the African American sport experience. Examination of research that addresses the effect of physical differences, racial stereotyping, identity development, gender issues, and social influences on African American sport participation patterns. Analysis of sport as a microcosm of society with an emphasis on examining associated educational and societal issues.
### Rights 229DS - Environment and Conflict: The Role of the Environment in Conflict and Peacebuilding

**Subject:** RIGHTS  
**Catalog Number:** 229DS  

**Title:** Environment and Conflict: The Role of the Environment in Conflict and Peacebuilding  

**Description:** Environmental and natural resources as a source of conflict and/or peacebuilding between and within nations and states. Analysis of the role of the environment in the conflict cycle and international security. Topics include refugees, climate change, water, and infectious disease. Particular focus on post-conflict and rebuilding in war-torn societies. Examination of the role of international organizations, non-governmental organizations, and emerging standards for environmental management. Examples drawn from conflicts such as Rwanda, Israel/Palestine, Nepal, Sierra Leone and others. Instructor consent required.

### Rights 229S - Environment and Conflict: The Role of the Environment in Conflict and Peacebuilding

**Subject:** RIGHTS  
**Catalog Number:** 229S  

**Title:** Environment and Conflict: The Role of the Environment in Conflict and Peacebuilding  

**Description:** Environmental and natural resources as a source of conflict and/or peacebuilding between and within nations and states. Analysis of the role of the environment in the conflict cycle and international security. Topics include refugees, climate change, water, and infectious disease. Particular focus on post-conflict and rebuilding in war-torn societies. Examination of the role of international organizations, non-governmental organizations, and emerging standards for environmental management. Examples drawn from conflicts such as Rwanda, Israel/Palestine, Nepal, Sierra Leone and others. Instructor consent required.

### Rights 235S - Comparative Urban Politics and Policymaking

**Subject:** RIGHTS  
**Catalog Number:** 235S  

**Title:** Comparative Urban Politics and Policymaking  

**Description:** DukeImmerse Seminar. A comparative examination and analysis of urban governance in South Africa and the United States. Examines potential consequences of persistent racial and class disparities for housing and neighborhoods, public health, education, community infrastructure, and general economic and social development. Specific attention to how the physical layout, government structures, politics, culture, and the civil society of cities and urban areas may both promote and hinder human development and social justice. Instructor consent required.

### Rights 236S - Advanced Research Seminar in Urban Politics and Policymaking

**Subject:** RIGHTS  
**Catalog Number:** 236S  

**Title:** Advanced Research Seminar in Urban Politics and Policymaking  

**Description:** DukeImmerse Seminar. Advanced research and writing seminar. Participants produce a 30-40 page research paper based on fieldwork and archival research experiences in Durham and an approved South African city. Includes tutorials in research design and comparative research methods. There is a required fieldwork component of the course which entails a two-week trip to South Africa. Students will collect data, do interviews, visit municipal offices, and or spend time at NGOs in Pietermaritzburg. Instructor consent required.
### RIGHTS238S - History of Political Nonviolence

**Subject** | **Catalog Number** | **Title**  
--- | --- | ---  
RIGHTS | 238S | History of Political Nonviolence  

**Description**
In this seminar, we will investigate cases of peaceful resolutions of intractable conflicts during the 20th century as alternatives to tactics of warfare and counter-terrorism. The focus will include the dissolution of the Soviet Union and its Eastern European subordinate states; the end of British rule in India, the transition from the apartheid regime in South Africa; the plebiscite ending the Pinochet dictatorship in Chile; the accords ending the violence in Ireland; and the successful nonviolent strategies of the civil rights movement in the U.S.

### RIGHTS239D - Women, Gender, and Sexuality in U.S. History

**Subject** | **Catalog Number** | **Title**  
--- | --- | ---  
RIGHTS | 239D | Women, Gender, and Sexuality in U.S. History  

**Description**
Major questions relating to women and women's place in society over the course of U.S. history, broadly defined, from the colonial period to the present: How did different groups of women see themselves as women? How did views of women's sexuality change? How did men's and women's relationships and roles change? How did women understand their connections to the larger society? How did race, ethnicity, and class shape all those issues? Course uses a variety of materials, including novels, movies, images, and music to explore the ethical contours of women's lives in the past, following change over time to better understand women's position today.

### RIGHTS240S - Filming Freedom Movements: Movies, Music, Monuments, Memory

**Subject** | **Catalog Number** | **Title**  
--- | --- | ---  
RIGHTS | 240S | Filming Freedom Movements: Movies, Music, Monuments, Memory  

**Description**
This class is a cross-disciplinary exploration of a series of questions about what societies choose to commemorate, what they stay silent about, what they try to repress, and how this changes over time. What impact does this have on public policy and cultural debate? Using a cross-cultural examination of four societies, we will draw on methods from the arts, art history, history, documentary, policy, cultural studies, critical race theory, sound studies, indigenous studies, and feminist theory.

### RIGHTS245S - Human Rights in the Americas

**Subject** | **Catalog Number** | **Title**  
--- | --- | ---  
RIGHTS | 245S | Human Rights in the Americas  

**Description**
This course introduces students to the history of human rights in Latin America, with a focus on certain regions. We will begin with the Conquest and cover the emergence of independent nation-states; the role of imposed economic policies, including neoliberalism; indigenous protest movements and their relationships to corporate interests; and the influence of the United States on human rights, government formation, immigration, and the drug trade. Instructor consent required. Open only to students in the DukeImmerse program.
**RIGHTS247 - Southern Voices: Activism and Progressive Movements in the US South**

**Description**
This course explores the lesser known, often hidden, and dismissed works of activism in the US South, primarily through an ethnographic lens. While many know key moments of the Civil Rights movement, much equity and justice work today has its roots in large Southern post-Reconstruction efforts and conflicts. Interdisciplinary lectures will examine a wide variety of movements including labor, health, music, sports, food, education, religion, and media representations. The trajectories of these movements will be contextualized over time in order to understand current regional grassroots and policy actions as well as impacts on national policies.

**RIGHTS249 - Martin Luther King and the Prophetic Tradition**

**Description**
Situates Martin Luther King as a preacher in the black Christian tradition with a liberationist reading. Traces the movement from civil rights to opposition to economic injustice, war, and militarism. Analyses what the prophetic voices of today have to say about issues of poverty, racism, environmental destruction, militarism, homophobia, drones, sexism.

**RIGHTS254 - Cultures and Politics of the America Borderlands**

**Description**
Americas borderlands refers to the intersection of North and Latin America through the movement of people, products, ideas, and technologies with focus on culture and agri-culture, including the production of food and pharmaceuticals—legal and illegal; explores dirt as concept of matter out of place and people without place and how sustenance can become poison; examines histories of Latin American bodies as 'terrain' for US-based scientific experiments.

**RIGHTS262 - Human Rights in Theory and Practice**

**Description**
The nature and value of human rights; examining some major debates over their status and meaning and assessing the role which the idea of human rights has played in changing lives, practices, and institutions. Questions considered include: whether commitments to human rights depend on a belief in moral truth; whether the idea of universal human rights makes sense in a culturally diverse world; and what forms of social action are most likely to achieve respect for human rights.
### RIGHTS272 - Genocide and Human Rights

**Subject**: RIGHTS  
**Catalog Number**: 272  
**Title**: Genocide and Human Rights

**Description**
Analyses the phenomenon of genocide from an interdisciplinary perspective, exploring the ways that violence intersected with gender, race, and religion. Combines the history of genocide with the history of humanitarianism, international law, and human rights, seeking to understand their successes and failures. Case studies cover the twentieth century up to the present and may include mass violence in Armenia, the Congo, the Holocaust, Nigeria/Biafra, Cambodia, Rwanda, and Sudan. An interdisciplinary approach will be used, seeking to investigate genocide and human rights from the heights of international law to the depths of the human heart, using tools of political science, literature, and history.

### RIGHTS283S - Death, Burial, and Justice in the Americas

**Subject**: RIGHTS  
**Catalog Number**: 283S  
**Title**: Death, Burial, and Justice in the Americas

**Description**
This interdisciplinary course explores the phenomenon of necroviolence: attacks on the dignity, integrity, and memory of the dead. Cases come from the United States, Latin America, and Canada. Topics include the rights of the dead, cultural attitudes towards the dead, and the 'ambiguous loss' experienced by loved ones of the disappeared. We also explore the activism of family members, volunteer cemetery reclamation groups, and forensic scientists who exhume mass graves to identify bodies. Students will interact with guest speakers, spend time in a local African American cemetery with ties to Duke, and do community work and research on behalf of the marginalized dead.

### RIGHTS290 - Special Topics in Human Rights

**Subject**: RIGHTS  
**Catalog Number**: 290  
**Title**: Special Topics in Human Rights

**Description**
Topics vary by semester. Check individual semester offerings for prerequisites. Instructors consent may be required.

### RIGHTS290S - Special Topics in Human Rights

**Subject**: RIGHTS  
**Catalog Number**: 290S  
**Title**: Special Topics in Human Rights

**Description**
Topics vary by semester. Check individual semester offerings for prerequisites. Instructors consent may be required.

### RIGHTS295S - Black Muslims: Race, Religion, & Culture

**Subject**: RIGHTS  
**Catalog Number**: 295S  
**Title**: Black Muslims: Race, Religion, & Culture

**Description**
The intersection of African, American, European, and Islamic cultures studied through the cultural and intellectual flourishing of black Islam. Topics include early Muslim communities established in the Americas through the transatlantic slave trade, Muslim slave rebellions in Brazil and the Caribbean, Muslim slave autobiographies, African Muslims in Europe, the emergence of the Moorish Science Temple and the Nation of Islam, Elijah Muhammad, Malcolm X, Muhammad Ali, women of the Nation of Islam, women's Qur'an exegeses, Hagar as a black woman, black feminism, the Five-Percent Nation, Islamic hip-hop and rap, 'the Black Crescent,' the black international and Islam, and the Black Panthers.

### RIGHTS297 - The Holocaust

**Subject**: RIGHTS  
**Catalog Number**: 297  
**Title**: The Holocaust

**Description**
Antisemitism and the Jewish question in Central Europe, the development of Nazi policy, the Final Solution in its different sites (ghetto, labor camps, extermination camps) and institutions (SS, Judenrat), the Holocaust's legacy. Historiographical debates and documentary research.
RIGHTS301S - Business and Human Rights Advocacy Lab

Subject: RIGHTS  
Catalog Number: 301S  
Title: Business and Human Rights Advocacy Lab

Description:
An exploration of human rights advocacy from a legal, political science and comparative perspective. Will focus on issues related to corporate accountability. A core component of the course will include a human rights 'lab' in which students work in teams on policy-oriented projects, potentially in collaboration with community partners.

RIGHTS302 - Global Narratives of Illness and Disability

Subject: RIGHTS  
Catalog Number: 302  
Title: Global Narratives of Illness and Disability

Description:
The humanities help us learn more about the global experiences of people living with illness and disability. Using a global health humanities approach, we study illness and disability through biography, poetry, blogs, and art created by patients, families, friends, doctors, and caregivers. We look beyond data to find meaning through documentaries, theories of representation, and illness narratives. We explore different illness experiences, such as HIV/AIDS and Ebola; different disabilities, such as physical and cognitive; different gender identities and ages; and different locations, such as South Africa, West Africa, Papua New Guinea, Brazil, Haiti, and rural and urban USA.

RIGHTS303S - De/Re/Segregation in Education: A Case of Back to the Future?

Subject: RIGHTS  
Catalog Number: 303S  
Title: De/Re/Segregation in Education: A Case of Back to the Future?

Description:
Course traces timeline of segregation, desegregation, integration and resegregation in education in the United States, from policies and practices first enacted at this nation's birth through current policies and practices that challenge our commitments to opportunity, equality, and equity. Course invites students to study historical and contemporary practices in education, comparing segregation and resegregation as moments in the education history of the US, taking recent developments in North Carolina education policy and practice as cases to enrich understanding. Students engage in a minimum of 20 hours of planned service activities.

RIGHTS305S - White People: In Anthropological Perspective

Subject: RIGHTS  
Catalog Number: 305S  
Title: White People: In Anthropological Perspective

Description:
Against the cross-cultural backdrop of other systems of hereditary privilege and of the political and economic changes that threaten them, we will examine the history, the ideologies, and the psychology of white supremacy in the United States. It will be our task to understand both the insiders' point of view and its social context, which includes the mid-20th-century civil rights reforms, affirmative action, neoliberalism, and the progressive erosion of white monopolies on honor, voting rights, due process, a living wage, and upward mobility in US society.
RIGHTS308S - Fragmented Memories: Polish and Polish Jewish Culture Through Film

Subject: RIGHTS
Catalog Number: 308S
Title: Fragmented Memories: Polish and Polish Jewish Culture Through Film

Description: Analyzes, compares, and assesses representations of Polish Christians and Polish Jews—their life experiences, interactions, shared and separate fates—in documentaries and fiction films made in Poland from the 1930s to the present day. Includes films by Wajda, Polanski, Munk, Kieslowski; also a 2008 documentary about pre-World War II Christian-Jewish relations in Poland by Jolanta Dylewska. All films screened with English subtitles.

RIGHTS309 - Chinese In/migration: Chinese Migrant Labor and Immigration to the US

Subject: RIGHTS
Catalog Number: 309
Title: Chinese In/migration: Chinese Migrant Labor and Immigration to the US

Description: Comparative examination of contemporary China's 'floating population' of migrant labor, and of Chinese immigration abroad (particularly to the US). Focus on cultural representation of these phenomena (particularly literary, cinematic, and artistic works), but sociological, anthropological, economic, and political perspectives will also be considered. Topics include cultural alienation, marginalization, and assimilation; education and health care; labor and commodification; gender and ethnicity; narratives of modernization and development; together with the ethical, social, and political implications of migration.

RIGHTS312 - War and Public Health in Africa

Subject: RIGHTS
Catalog Number: 312
Title: War and Public Health in Africa

Description: An inquiry into the nature of contemporary war in sub-Saharan Africa and its human cost. Uses public health as a parameter to assess the impact of organized collective violence on people's lives. Link between war and public health established and measured with respect to civilian deaths, gender based violence, physical and psychological trauma, mental disorders, malnutrition and famine, and the spread of epidemic diseases, inter alia HIV/AIDS. Special attention is paid to rape as 'a weapon of war', to the trafficking of human beings in war zones, the child soldier phenomenon, and to death counts as a vector of humanitarian or political advocacy.

RIGHTS313S - Social Movements in Age of Globalization

Subject: RIGHTS
Catalog Number: 313S
Title: Social Movements in Age of Globalization

Description: Study of primary models and theories of social movements developed in fields of Sociology and Political Science. Readings provide vocabulary and conceptual framework for understanding how people organize, how social movements use media, role of leadership, meaning of success, and several other basic issues. Focus on social movements of last few decades. Students will conduct group projects on a selected contemporary social movement. Contemporary social movements considered include Occupy, 15M movement in Spain, Gezi Park encampment in Turkey, urban protests in Brazil, and Arab Spring uprisings.
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<tr>
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<tbody>
<tr>
<td>RIGHTS314S</td>
<td>314S</td>
<td>Imagining Human Rights: Science Fiction, Culture, and the Creation of Rights</td>
</tr>
<tr>
<td>Description</td>
<td></td>
<td>This course engages students in the intersection of speculative fiction and the history of ideas about human rights and what it means to be human. Using interdisciplinary tools, including history, anthropology, and public policy, students will explore created worlds and new ways of thinking about what rights humans—and other beings—have, how those rights are proposed, and what happens when those rights are contested. The course focuses on how the imaginary influences or presages the real, allowing us to experiment with what-ifs. Students will work in Duke’s Locus Archives of primary documents on 20th-century science fiction spanning writers from China, the USSR, and Japan.</td>
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<tr>
<td>RIGHTS315-20</td>
<td>315-20</td>
<td>Engineering Sustainable Design and the Global Community: Structural Focus</td>
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<tr>
<td>Description</td>
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<td>Design and testing of solutions to complex interdisciplinary design products in a service-learning context with a focus on structural products. Technical design principles; sustainable and engineering best practices; prototype formation, testing and evaluation; and establishment of research and analysis methodologies in a community-based research experience. Working in partnership with a community agency (local, national, or international) and participation in an experimental learning process by engineering a design solution for an identified community need. Evaluation focused on design deliverables, fabricated prototypes and a critical reflection of the experimental learning process.</td>
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<tr>
<td>RIGHTS315-60</td>
<td>315-60</td>
<td>Engineering Sustainable Design and the Global Community: Environmental Focus</td>
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<tr>
<td>Description</td>
<td></td>
<td>Design and testing of solutions to complex interdisciplinary design products in a service-learning context with a focus on structural products. Technical design principles; sustainable and engineering best practices; prototype formation, testing and evaluation; and establishment of research and analysis methodologies in a community-based research experience. Working in partnership with a community agency (local, national, or international) and participation in an experimental learning process by engineering a design solution for an identified community need. Evaluation focused on design deliverables, fabricated prototypes and a critical reflection of the experimental learning process. Prerequisite: Engineering 201L or Electrical and Computer Engineering 110L or consent of instructor.</td>
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<tr>
<td>RIGHTS316S</td>
<td>316S</td>
<td>Apartheid South Africa and Struggles for Democracy</td>
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<tr>
<td>Description</td>
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<td>Working through an array of diverse organizations – including the African National Congress, the Pan African Congress, the Black Consciousness Movement, a host of liberal organizations, the churches, the trade union federations, and countless more - South Africans fought against apartheid from its inception. In 1994 they achieved a multi-racial democracy led by President Nelson Mandela. This seminar explores key themes in post-World War II South African history, paying special attention to the plethora of anti-apartheid struggles, while analyzing the tenets of apartheid policies.</td>
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</table>
**RIGHTS317S - Veterans Oral History Project**

**Subject**  RIGHTS  
**Catalog Number**  317S  
**Title**  Veterans Oral History Project  

**Description**  
Explore methods of oral history, specifically focusing on interviewing U.S. military veterans who have served during times of conflict. Weekly readings concerning ethics of oral history work and the particulars of interviewing veterans. Learn techniques for conducting successful oral history interviews and master technical skills involving recording equipment. Conduct multiple interviews with veterans throughout the semester. Discuss interviews and transcriptions with classmates. Assignments include written responses and a final presentation on conducted interviews. Includes a service-learning component involving work in the community.

**RIGHTS319S - US Comparative State Politics**

**Subject**  RIGHTS  
**Catalog Number**  319S  
**Title**  US Comparative State Politics  

**Description**  
Intensive comparative examination of government, political cultures, and politics in the American States, including institutions (governors, legislatures, courts), history of federalism, policies, practices, and diverse cultural factors such as class, race, ethnicity, gender, religion, urban-rural-suburban residencies that affect state politics. DukeImmerse students only. Instructor consent required.

**RIGHTS323S - Social Movements and Social Media**

**Subject**  RIGHTS  
**Catalog Number**  323S  
**Title**  Social Movements and Social Media  

**Description**  
Examines uses and abuses of social media by social movements. Interested in a broader historical study of mediating technologies and oppositional public sphere, course considers the uses of cameras, phones, cassette players, radio, and social media platforms, but also books, bodies, art, fashion, and automobiles as oppositional technologies. Studies political and ethical uses of technologies in social unrest. Investigates impact of technologies on social movements and social transformations in contemporary history. Student driven case studies will highlight contemporary engagement with social media by networked social movements.

**RIGHTS325S - Global Displacement: Voix Francophones**

**Subject**  RIGHTS  
**Catalog Number**  325S  
**Title**  Global Displacement: Voix Francophones  

**Description**  
Explores migration and resettlement of Francophone refugees in North America through examination of current policy, law, and practice. Analysis of personal interviews and narratives with attention to ethical questions related to politics of listening to and speaking for other communities. Community-based language component (20 hours) engages students with refugee community in Durham. Conducted in French. Recommended prerequisite: one course at 300-level or equivalent.
RIGHTS326 - The South in Black and White

**Subject**
RIGHTS

**Catalog Number**
326

**Title**
The South in Black and White

**Description**
Focus on present-day and historical documentary traditions in American South, with an emphasis on call and response between black and white cultures. The arts and humanities as embedded in particular histories and cultures found in the South, and as performed in music and theater; and portrayed in documentary films, civil rights photography, Southern literature, and historical and autobiographical writing. Includes historical texts, oral histories and testimonies of living persons, along with documentary films, photographs, and writings from people in Durham and elsewhere in the region.

RIGHTS327 - Afro-Brazilian Culture and History

**Subject**
RIGHTS

**Catalog Number**
327

**Title**
Afro-Brazilian Culture and History

**Description**
Slavery and the post-emancipation trajectory of Afro-Brazilians in a racist society that officially proclaims itself a 'racial democracy.' Comparisons drawn with the Afro-American experience elsewhere in Latin America and the United States.

RIGHTS328 - Global Brazil

**Subject**
RIGHTS

**Catalog Number**
328

**Title**
Global Brazil

**Description**
Analysis of Brazilian history and culture from 1500 to the present in transnational context, with an emphasis on themes like slavery and race, regional cleavages, authoritarian rule, social inequality, and innovative attempts to expand democracy. Facilitates broad-based knowledge of a country of increasing global economic and diplomatic clout. Close examination of primary sources, including texts, images, music, and film.

RIGHTS329S - Politics in Violence

**Subject**
RIGHTS

**Catalog Number**
329S

**Title**
Politics in Violence

**Description**
Exploration of the role of violence in politics. What is the role of violence in the formation and consolidation of states? What is the relationship between violence and political regimes? In-depth analysis of the varieties of political violence in contemporary world: terrorism, coups, riots, wars, protest violence, revolutions. Combination of theoretical analysis and empirical exploration of cases. Exploration of non-violent forms of resistance and protest. Reading responses and final research paper required.

RIGHTS330 - Global Health Ethics: Policy Choice as Value Conflict

**Subject**
RIGHTS

**Catalog Number**
330

**Title**
Global Health Ethics: Policy Choice as Value Conflict

**Description**
The primary foci of this course are: the ethics of engagement with marginalized/stigmatized populations; understanding the influence of power dynamics; and understanding the ways in which policies create structures that limit abilities. Students explore the roots of their personal value systems and those of others, in an effort to understand causes of conflict and ethical missteps in global health engagement. Involves reading texts and coming to class ready to engage in conversations and activities related to the learning objectives. Weekly 5-question quizzes help to ensure that students come to class prepared to engage with the material.

RIGHTS330D - Global Health Ethics: Policy Choice as Value Conflict

**Subject**
RIGHTS

**Catalog Number**
330D

**Title**
Global Health Ethics: Policy Choice as Value Conflict

**Description**
The primary foci of this course are: the ethics of engagement with marginalized/stigmatized populations; understanding the influence of power dynamics; and understanding the ways in which policies create structures that limit abilities. Students explore the roots of their personal value systems and those of others, in an effort to understand causes of conflict and ethical missteps in global health engagement. Involves reading texts and coming to class ready to engage in conversations and activities related to the learning objectives. Weekly 5-question quizzes help to ensure that students come to class prepared to engage with the material.
### RIGHTS331 - Prisoner’s Dilemma and Distributive Justice

**Subject:** RIGHTS  
**Catalog Number:** 331  
**Title:** Prisoner’s Dilemma and Distributive Justice

**Description:** Economic, political, and philosophical perspectives on distribution justice and the problems in each discipline raised by variations on the prisoner’s dilemma. Classic texts include Hobbes and Hume, Smith and Mill, Rawls and Nozick. Gateway course to the Politics, Philosophy, and Economics certificate program. Recommended prerequisite: Economics 101 and a course in ethics or political philosophy.

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### RIGHTS332S - Farmworkers in North Carolina: Roots of Poverty, Roots of Change

**Subject:** RIGHTS  
**Catalog Number:** 332S  
**Title:** Farmworkers in North Carolina: Roots of Poverty, Roots of Change

**Description:** Focus on those who bring food to our tables, particularly those who labor in the fields of North Carolina and the Southeast. Students will learn about farm work from the plantation system and slavery to sharecropping and up to the migrant and seasonal farmworker population today. Study and analysis of media representations of farmworkers and agricultural issues as well as historical and contemporary documentary work and its contributions to farmworker advocacy. Includes a service-learning component involving work in the community.

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### RIGHTS334S - Energy Futures and Environmental Justice

**Subject:** RIGHTS  
**Catalog Number:** 334S  
**Title:** Energy Futures and Environmental Justice

**Description:** Advanced undergraduate seminar on comparative energy crises and natural resource management. Uses case studies of fossil fuel, nuclear, and renewable energy resources drawn from anthropology, natural sciences, and even business economic readings. Appropriate for students interested in interested in global politics, economic development, human rights, or environmental issues.

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### RIGHTS335 - Free Speech: Francophone World-USA

**Subject:** RIGHTS  
**Catalog Number:** 335  
**Title:** Free Speech: Francophone World-USA

**Description:** Critical history of free speech in French-speaking world in relation to the US, earliest debates and current controversies. Investigation of key concepts and issues: blasphemy, pornography, hate speech, sedition. Is this freedom absolute? Whose speech is censored? Whose "unsaid?" Case studies & "causes célèbres" include Voltaire, Rabelais, Sade, Céline, Camus, Djaout. Work culminating in debate around free press and fake news with North African journalists and human rights activists.
**RIGHTS337S - Documenting US Women's Health Post-Roe v. Wade**

**Description**
The overturning of Roe v. Wade in June 2022 led to the deaths of two women in South Carolina. One woman died from sepsis following self-instrumentation, and the second died after giving birth to a healthy baby. She began to hemorrhage; hospital administrators were afraid that the 'D&C' she needed to survive was too close to the abortion procedure. A physician team at Duke University Hospitals, led by Dr. Beverly Clark, began to see similar cases in North Carolina. The aim of this course is to document—in real time—the political and ethical dimensions of the situation that healthcare providers now find themselves in as they attempt to provide women the nationwide medical 'standard of care.'

**RIGHTS339 - Displacements: Migration and Human Trafficking**

**Description**
Examination of the meaning of migration in the global world through cross-disciplinary texts and visual media. Situates the phenomenon of human trafficking within the context of these general movements focusing on the risks involved when people endanger their lives to find a better and more strategic position in the world. Explores how these experiences should be interpreted, and how processes and the politics of race, space and place are a condition and/or outcome of these movements. Investigates and considers ways to resolve some of the problems associated with such movements.

**RIGHTS341 - Ethics of Global Infectious Disease Control**

**Description**
Examination of the role of ethical decision-making when controlling infectious disease epidemics. Applies classic public health ethics of balancing individual liberty vs. public good to the new global health context of emerging infectious diseases such as HIV/AIDS, Ebola, and SARS, plus re-emerging infectious diseases such as multidrug-resistant TB, polio, and cholera. Explores questions of resource allocation, mandatory or voluntary prevention measures, and ethical obligations of health care workers vs. responsibilities of individuals in the context of new global public health. Prior global health coursework recommended.

**RIGHTS343 - History of Modern America: The United States from 1930 to present**

**Description**
United States history since the Great Depression, with emphasis on the shaping influence of the New Deal and war. Examines transformations of everyday life and culture and the movements for social change they generated, including the labor, civil rights, and women's movements, and explores the nation's dominant role on the world stage and the impact of a global economy.
### RIGHTS344 - History of U.S. Social Movements

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<tr>
<td>RIGHTS</td>
<td>344</td>
<td>History of U.S. Social Movements</td>
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</table>

**Description**
Examines the social movements that have shaped U.S. history, starting with the American Revolution itself and covering others including the anti-slavery movement, women's rights, Populism, Socialism, the Ku Klux Klan, the labor movement, the Black Freedom Movement and broader New Left, lesbian and gay liberation, and the recent conservative movement, focusing on the ethical issues arguments they raised, and how new civil, political, and social rights were created through social movement organizing. Lectures and readings explore why these movements arose, what they achieved, why many opposed them, and what we can learn about American history writ large from their experiences.

### RIGHTS345 - African Americans, Mass Incarceration and Citizenship

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</table>

**Description**
Explores in depth the presence of African Americans within the phenomenon of U.S. mass incarceration and its implications for notions of citizenship. Surveys the history of prison build-up resulting from legislation and policy over the past forty years including the governmental discussions of drug policy and welfare reform that disproportionately affected African Americans. Course will explore definitions of citizenship and the means by which African American citizens were and are both included in and excluded from participation in the movement toward mass incarceration as part of their changing position in the U.S. polity.

### RIGHTS346S - The Connection between Human Rights, Memory and How Societies Create Memorials

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<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>RIGHTS</td>
<td>346S</td>
<td>The Connection between Human Rights, Memory and How Societies Create Memorials</td>
</tr>
</tbody>
</table>

**Description**
This seminar introduces students to multiple approaches to how to create memory, with a focus on building a proposal for Duke to expand the sites where stories are told. We are particularly interested in how to tell difficult stories of slavery, segregation and inequality through new sites and interpretive plans. Students will create a Duke memory map and develop a Story Bank. The class is in part funded by Bass Connections and is affiliated with the Story Lab.

### RIGHTS346T - Memory Bandits: Human Rights, Duke's History and a Plan to Expand History-Telling

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<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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<tbody>
<tr>
<td>RIGHTS</td>
<td>346T</td>
<td>Memory Bandits: Human Rights, Duke's History and a Plan to Expand History-Telling</td>
</tr>
</tbody>
</table>

**Description**
This is affiliated with a Bass Connections project that takes on the societal and cultural challenge of historical memory, human rights and memorialization. We intend to mine memory studies to ask how, why and where people use the past for contemporary meaning; how the Duke campus currently embodies and tells its story; and how this team can help chart a deeper engagement with history. Consent of instructor is required.
### RIGHTS347S - The University as a Culture: A Survivor's Guide

**Subject**  
RIGHTS  
**Catalog Number**  
347S  
**Title**  
The University as a Culture: A Survivor's Guide

**Description**  
The university generates some of the most influential forms of knowledge in the world, yet we seldom examine the historically specific cultural, social, political, and economic conditions under which knowledge is produced in the laboratories, classrooms, offices, dormitories, Greek-letter societies, and sports complexes that are the infrastructure of the academy. This course will employ readings from a range of disciplines, as well as the investigative and interpretive methods of cultural anthropology, to examine the taken-for-granted context of university life.

### RIGHTS348 - The Civil Rights Movement

**Subject**  
RIGHTS  
**Catalog Number**  
348  
**Title**  
The Civil Rights Movement

**Description**  
An interdisciplinary examination of the civil rights movement from World War II through the late 1960s.

### RIGHTS349S - Racial Justice in the 20th Century US and South Africa

**Subject**  
RIGHTS  
**Catalog Number**  
349S  
**Title**  
Racial Justice in the 20th Century US and South Africa

**Description**  
This course uses a comparative framework to assess race in two societies founded on premises of racial inequality: South Africa and the United States. We will explore some of the social, cultural and political exchanges that have taken place between African Americans and Black South Africans over the course of the twentieth century. Additional topics include segregation, twentieth century struggles for civil rights/liberation, the American anti-apartheid movement, and the possibilities for restitution.

### RIGHTS350S - Documenting Black Experiences

**Subject**  
RIGHTS  
**Catalog Number**  
350S  
**Title**  
Documenting Black Experiences

**Description**  
Explores how Black experiences have been documented and how crucial stories woven from real life get told. Students engage wide ranging contemporary and historical materials, including nonfiction, memoir, fiction, documentary and dramatic film, theater, poetry and music. Our aspirations are historical, but with an understanding that academic history, though irreplaceable, barely touches the range of storytelling that makes Black lives not only matter but transform the spaces in which they unfold. Our explorations are political, but in the largest sense—how Black power comes from making higher truth a tool, a weapon and a way of being.
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<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>RIGHTS351S</td>
<td>351S</td>
<td>Contemporary South Africa</td>
</tr>
</tbody>
</table>

**Description**

Nelson Mandela's presidency in 1994 inaugurated democracy in South Africa. Using a historical lens, this course will explore the promises, possibilities, and disappointments of the democratic era. In what ways has the 1994 election slogan 'A better life for all' come to pass? Why and in what ways has the new political elite fallen short in delivering on its promises? How have segments of the public sought to impose accountability and restitution on new democratic governments, as well as on the long-standing titans of industry?

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<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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<tbody>
<tr>
<td>RIGHTS352</td>
<td>352</td>
<td>Immigrant Dreams, U.S. Realities: Immigration Policy History</td>
</tr>
</tbody>
</table>

**Description**

Immigrants and immigration policy in the United States from 1850 to the present, with focus on origins and power of immigrant exclusion during three waves of migration: Northern European and Asian migrations between 1850 and 1880, Eastern European, Latin American, and Asian migrations, 1880-1920, and Latin American, African, and Asian migrations, post 1965. Immigrant roles in shaping policy debates, citizenship rights, labor movements, and American culture, past and present.

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<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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<tbody>
<tr>
<td>RIGHTS360S</td>
<td>360S</td>
<td>Feminist Activism: Social Movements</td>
</tr>
</tbody>
</table>

**Description**

Comprehensive introduction to feminist theoretical conceptions of the social, political, economic, and the human. Explores the rise of gender based discourses and social movements in the context of broader considerations of modernity, democracy, and liberal humanism and the value of rights discourse for feminist agendas. Includes a comparative dimension that emphasizes cross cultural and historical analysis.

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<th>Title</th>
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<tr>
<td>RIGHTS361</td>
<td>361</td>
<td>Money, Sex, Power</td>
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</tbody>
</table>

**Description**

Feminist research on gender dynamics in markets, economies, and capitalism. Includes empirical studies (e.g., historical, cross-cultural, and sociological research) and theoretical approaches to political-economic critique. Covered topics may include the gender, racial and transnational divisions of labor, the relation between work and family, waged household labor, sex work, sweatshop labor.

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<th>Catalog Number</th>
<th>Title</th>
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<tbody>
<tr>
<td>RIGHTS368</td>
<td>368</td>
<td>Gender, Sexuality, and Human Rights</td>
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</table>

**Description**

This course investigates gender and sexual dimensions of human rights, considering key international human rights campaigns and emphasizing the historical and philosophical contexts involved in advocacy for Women's Human Rights and Sexual Rights.

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<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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<tbody>
<tr>
<td>RIGHTS369</td>
<td>369</td>
<td>Transnational Feminism</td>
</tr>
</tbody>
</table>

**Description**

Explore feminist projects and approaches that cross a variety of borders. Under what conditions is solidarity across difference and inequality possible? This seminar examines this and other questions using relevant theories, film, and scholarship. Topics include activism, human rights, development, capitalism, war/militarization, racism, embodiment, and health. Assigned readings and films largely focus on the Global South but situate the Global North within circuits and relationships. The professor guides each student in preparing an original research paper on a relevant topic of interest to the student.
### RIGHTS369S - Transnational Feminism

**Subject**: RIGHTS  
**Catalog Number**: 369S  
**Title**: Transnational Feminism  

**Description**
Explore feminist projects and approaches that cross a variety of borders. Under what conditions is solidarity across difference and inequality possible? This seminar examines this and other questions using relevant theories, film, and scholarship. Topics include activism, human rights, development, capitalism, war/militarization, racism, embodiment, and health. Assigned readings and films largely focus on the Global South but situate the Global North within circuits and relationships. The professor guides each student in preparing an original research paper on a relevant topic of interest to the student.

### RIGHTS371 - News as a Moral Battleground

**Subject**: RIGHTS  
**Catalog Number**: 371  
**Title**: News as a Moral Battleground  

**Description**
Ethical inquiry into journalism and its effect on public discourse. Issues include accuracy, transparency, conflicts of interest and fairness. Topics include coverage of national security, government secrecy, plagiarism/fabrication, and trade-offs of anonymous sourcing.

### RIGHTS371S - South Africa and the World

**Subject**: RIGHTS  
**Catalog Number**: 371S  
**Title**: South Africa and the World  

**Description**
Throughout the 20th century, South Africa had the largest economy and military on the African continent. Its strategic geographic position and mineral wealth in gold and uranium made it an important ally for the largest economies in the world. The Cold War enhanced its significance. However, in the second half of the twentieth century, its policies of apartheid rendered it an international pariah. This course examines the ways in which countries, international institutions, and millions of 'ordinary' people shaped the course of South African history. How did South Africa interact with the broader world, and how did the world try to affect South Africa's policies of white supremacy?

### RIGHTS373S - The Spanish Civil War and its Effects Today: History, Literature, Film

**Subject**: RIGHTS  
**Catalog Number**: 373S  
**Title**: The Spanish Civil War and its Effects Today: History, Literature, Film  

**Description**
Spanish Civil War of 1936-39 through literary and historical readings, art, music, and film. Special attention given to values held by supporters of each side, and how they put them into practice during and after the war. Consideration of American volunteers who fought fascism in Spain. Emphasis on human rights violations, and how they still affect Spain today. Taught in Spanish. Not open to students who have taken Spanish 431S or Human Rights 431S. Recommended prerequisite: Spanish 331S or Spanish 316S, or higher, or permission of instructor.

### RIGHTS374S - Islam in the Americas

**Subject**: RIGHTS  
**Catalog Number**: 374S  
**Title**: Islam in the Americas  

**Description**
Explores how Muslim communities live and practice Islam in the American context. Examines diverse Muslim communities emerging from transatlantic exploration, trade in slaves, and migration as well as indigenous conversion. Discussion of religious and cultural identities of American Muslim peoples and consideration of questions of communal organization, religious authority, gender dynamics, youth culture, political and civic engagement, as well as American Muslim comedy and entertainment. Examination of impact of 9/11 upon American Muslims, their responses to the tragedy, and Americans' shifting perceptions of Islam and Muslims.

### RIGHTS375 - Global Health Ethics in Research

**Subject**: RIGHTS  
**Catalog Number**: 375  
**Title**: Global Health Ethics in Research  

**Description**
Introduces ethical and human rights concepts in Global Health and current issues in health ethics. Explores how to understand and engage in ethical health service, intervention, research and education. Requires students analyze and critique ethical choices of individuals, policymakers and health workers. Explores standards of care, access to care, best outcomes vs. distributed justice. Focuses on ethics related to infectious diseases; obesity, alcohol and tobacco; and environmental health.
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<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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<tbody>
<tr>
<td>RIGHTS</td>
<td>384</td>
<td>Inequality in Western Political Thought</td>
</tr>
</tbody>
</table>

### Description

Study of egalitarian and inequitarian theories in the history of Western Political Thought. Distinction between forms of inequality (political, economic, social, racial, gender, etc.). Analysis of what kind of equality should be achieved (resources, opportunities, rights, respect, etc.). Connection of equality with other political and moral issues (freedom, responsibility, class conflict, well-being, poverty, exclusion, solidarity, difference, etc.) Readings include Aristotle, Machiavelli, Locke, Rousseau, Smith, Wollstonecraft, Tocqueville, Marx, Veblen, Du Bois, Friedman, Rawls, and Piketty.

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<tr>
<td>RIGHTS</td>
<td>386S</td>
<td>Politics of Sexuality</td>
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</tbody>
</table>

### Description

Explores intersections among sexual identity, desire, and behavior and political institutions, public policy, and concepts of citizenship. Readings and methods will be interdisciplinary and will examine politics of sexuality in diverse sociocultural, international, and historical contexts. Topics may include: social movements; laws, policing, and incarceration; medicalization and eugenics; militarism and geopolitics; immigration and human rights; welfare policies; nationalism and citizenship; and reproductive rights.

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<th>Title</th>
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<tr>
<td>RIGHTS</td>
<td>387</td>
<td>Germany Confronts Nazism and the Holocaust</td>
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</tbody>
</table>

### Description

The ways in which official German culture comes to terms with its Nazi past. Background reading in history and politics; primary focus on films, dramas, novels, and poetry, as well as public memorials, monuments, and museums. Authors treated include: Wolfgang Borchert, Rolf Hochhuth, Peter Weiss, Ruth Klüger. Taught in English.

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<tr>
<td>RIGHTS</td>
<td>389S</td>
<td>Family Rights/Human Rights</td>
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### Description

Explores relationship between state, family formation, and individuals. Surveys regulation of sexuality, reproduction, adoption, immigration, and incarceration with focus mainly on U.S. and past 200 years.

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<th>Subject</th>
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<th>Title</th>
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<tr>
<td>RIGHTS</td>
<td>390</td>
<td>Special Topics in Human Rights</td>
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### Description

Topics vary by semester. Check individual semester offerings for prerequisites. Instructor consent may be required.

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<tr>
<td>RIGHTS</td>
<td>390S</td>
<td>Special Topics in Human Rights</td>
</tr>
</tbody>
</table>

### Description

Topics vary by semester. Check individual semester offerings for prerequisites. Instructor consent may be required.
**RIGHTS395 - Language and Society**

**Subject**   RIGHTS  
**Catalog Number**  395  
**Title** Language and Society  
**Description**  
Course examines language as a social practice, focusing on different aspects of its role in social life. Topics addressed include: language and social identity, such as ethnicity, social class, age, and gender; variation in language, including dialects, accents, and registers; multilingualism and language contact; new languages such as pidgins and creoles; language, culture, and intercultural communication; language and ideology; language in education and in the media. Through the discussion of these topics and homework including reading and small research projects, students are introduced to key concepts, theories, and methods in sociolinguistics and linguistic anthropology.

**RIGHTS396S - Language in Immigrant America**

**Subject**   RIGHTS  
**Catalog Number**  396S  
**Title** Language in Immigrant America  
**Description**  
Discussion of issues of language in the context of immigration in the United States, from the turn of the 20th century until the present, combining approaches from literature, memoirs, language policy, media studies, and linguistic anthropology. Some fieldwork in an immigrant community. Topics include: identity, assimilation, race, bilingual communities, bilingual education, foreign accents, language contact.

**RIGHTS401 - Gender and the Law**

**Subject**   RIGHTS  
**Catalog Number**  401  
**Title** Gender and the Law  
**Description**  
Examination of issues at the intersection of gender and law through a number of different theoretical lenses. Analyzes policy problems with gender implications from the perspective of formal equality, substantive equality, nonsubordination theory, different voice theory, autonomy, and various poststructural critiques. Engages theory at the level of concrete, easily accessible ethical and policy issues, including such topics as employment equality, pregnancy, domestic violence, rape, reproductive rights, sexual orientation and sexual identity discrimination, family equality, sexual harassment, pornography, education equality, affirmative action, and the justice system.

**RIGHTS406S - South African Life Histories**

**Subject**   RIGHTS  
**Catalog Number**  406S  
**Title** South African Life Histories  
**Description**  
South Africa presented the world with one of the great moral challenges of the 20th century. We will explore its history through the lens of biography and autobiography. The country underwent major transformations -- rapid industrialization, segregation, the rise and fall of apartheid, and the emergence of democracy. How did individuals experience these social changes? In what ways do individual lives illuminate these larger social processes? Protagonists include a prophetess, political artists and writers, exiles, and celebrated figures. Topics cover how segregation and apartheid affected people's daily lives, opposition to white supremacy, and the personal impact of the AIDS's epidemic.
RIGHTS409S - Identity and Linguistic Rights in the Spanish Speaking Americas

Subject: RIGHTS
Catalog Number: 409S
Title: Identity and Linguistic Rights in the Spanish Speaking Americas

Description: This course focuses on linguistic justice and linguistic rights in interaction with other human rights. The class explores concepts of language, power, linguistic discrimination, and raciolinguistics in the context of bilingualism/multilingualism, indigenous languages, and endangered languages. We will examine how language is used to shape and negotiate identities, and how it reflects and sustains social realities and situations of social inequality. Methodologically, we will use linguistic and sociolinguistic analysis and elements of critical discourse analysis.

RIGHTS410S - History of Death

Subject: RIGHTS
Catalog Number: 410S
Title: History of Death

Description: Explores the history of aging and dying in the modern world, focused on the United States and the recent past. Integrates medical and humanistic approaches, giving students the chance to use philosophy, literature, and science together. Brings the history of medicine together with histories of race, gender, and religion. Aimed especially at pre-med students, but open to all.

RIGHTS411S - Historicizing Whiteness

Subject: RIGHTS
Catalog Number: 411S
Title: Historicizing Whiteness

Description: Examines origins, historical development, and consequences of white racial identity, from the 17th century to the present, beginning with the emergence of white racial grammar among trafficked white servants and so-called ‘white slaves’ to the creation of racialized rights and privileges for white people in Great Britain and the United States in the 19th, 20th, and 21st centuries.

RIGHTS428S - Gender, Sex and Citizenship

Subject: RIGHTS
Catalog Number: 428S
Title: Gender, Sex and Citizenship

Description: Explore current issues and debates relating to the relationship between gender, sexuality and global flows of people, labor, capital and ideas. Consider feminist analyses of the citizen-subject and foundational questions central to this area of study relationship between cultural representation, queer subjectivities, and sexual citizenship. Examine scholarship on gendered vulnerability and the welfare state; the politics of ‘terror’, security, and stereotyped masculinities; domestic labor and contemporary slavery; and the controversial debates about the connections between sex tourism, human trafficking and commercial sex work. Prerequisite: Previous gender studies course or consent of the instructor.
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<th>Title</th>
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<tbody>
<tr>
<td>RIGHTS431S</td>
<td>431S</td>
<td>The Spanish Civil War: History, Literature, and Popular Culture</td>
</tr>
</tbody>
</table>

**Description**

The Spanish Civil War of 1936-39 through literary and historical readings, art, music, and film. Special attention given to values held by supporters of each side, and how they put them into practice during and after the war. Consideration of international volunteers who fought in Spain for their own deeply-held values. Research paper and presentation required. Taught in Spanish. Not open to students who have taken Spanish 373S, History 273S-1, or Human Rights 373S. Recommended prerequisite: Spanish 331S or higher, or permission of instructor.

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<tbody>
<tr>
<td>RIGHTS432S</td>
<td>432S</td>
<td>Popular Culture and Political Repression in Spain and Latin America</td>
</tr>
</tbody>
</table>

**Description**

Exploration of a significant body of Spanish and Latin American fiction produced under repressive political regimes. Course explores how fictional characters and real people use popular culture as a coping mechanism in societies which impose severe political and social limitations on acceptable behavior. Also address uses of popular culture in democratic contexts including the US and draw comparisons to its uses under dictatorship. Authors include Cervantes, Galdós, Borges, Marsé, and Puig.

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<tr>
<td>RIGHTS444S</td>
<td>444S</td>
<td>Global Inequality Research Seminar</td>
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</tbody>
</table>

**Description**

Engagement of vertically integrated research teams in projects exploring racial and ethnic disparities exhibited and expressed in six arenas: employment, wealth, health, political participation, education, and arts and culture. Each team will produce a major paper that will qualify for submission to a refereed journal in the area relevant to the focus of the study. Course is not open to students who have taken Public Policy 645S.

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<tr>
<td>RIGHTS444S</td>
<td>444S</td>
<td>Global Inequality Research Seminar</td>
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</tbody>
</table>

**Description**

Engagement of vertically integrated research teams in projects exploring racial and ethnic disparities exhibited and expressed in six arenas: employment, wealth, health, political participation, education, and arts and culture. Each team will produce a major paper that will qualify for submission to a refereed journal in the area relevant to the focus of the study. Course is not open to students who have taken Public Policy 645S.

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<tr>
<td>RIGHTS470S</td>
<td>470S</td>
<td>Capstone: Research in Human Rights</td>
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</table>

**Description**

A primary learning objective is to have students connect the intellectual themes and scholarly knowledge they have developed in the Gateway, Introduction to Human Rights, and the electives they have taken toward the Human Rights Certificate. The course integrates co-curricular rights-related experiences (through DukeEngage, DukeImmerse, internships and volunteer placements). The capstone culminates in a final project. Students may work in teams toward a final project so long as each student's work is evaluated separately and at a high standard. Prerequisite: Cultural Anthropology 104D. Consent of director of undergraduate studies required.

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<tr>
<td>RIGHTS490</td>
<td>490</td>
<td>Special Topics in Human Rights</td>
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</tbody>
</table>

**Description**

Topics vary by semester. Check individual semester offerings for prerequisites. Instructor consent may be required.
RIGHTS490S - Special Topics in Human Rights

**Subject**
RIGHTS

**Catalog Number**
490S

**Title**
Special Topics in Human Rights

**Description**
Topics vary by semester. Check individual semester offerings for prerequisites. Instructor consent may be required.

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RIGHTS89S - Special Topics in Human Rights

**Subject**
RIGHTS

**Catalog Number**
89S

**Title**
Special Topics in Human Rights

**Description**
Topics vary by semester. Check individual semester offerings for prerequisites. Instructor consent may be required.

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ROMST190A - Duke-Administered Study Abroad: Special Topics in Romance Studies

**Subject**
ROMST

**Catalog Number**
190A

**Title**
Duke-Administered Study Abroad: Special Topics in Romance Studies

**Description**
Topics differ by section.

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ROMST190FS - Topics in Romance Studies

**Subject**
ROMST

**Catalog Number**
190FS

**Title**
Topics in Romance Studies

**Description**
Topics vary each semester offered. Open only to students in the Focus Program. Instructor consent required.

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ROMST190S - Topics in Romance Studies

**Subject**
ROMST

**Catalog Number**
190S

**Title**
Topics in Romance Studies

**Description**
Topics vary each semester offered.

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ROMST201 - What Is Europe?

**Subject**
ROMST

**Catalog Number**
201

**Title**
What Is Europe?

**Description**
Exploration of the idea of Europe as a political, moral, and cultural identity. Examines the construction of such identity throughout history, ending with today’s European Union, at a moment in which integration of 'Eastern' countries such as Turkey or Russia remains a hotly debated issue. Consistent attention devoted to literary, cinematic and artistic works which attempt to imagine a European Culture, as well as the evolution of aesthetics, and literary and art history.

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Duke University
### ROMST202 - Imagining Europe: Arts, Culture, Politics

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<th>Subject</th>
<th>Catalog Number</th>
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<th>Description</th>
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<tbody>
<tr>
<td>ROMST</td>
<td>202</td>
<td>Imagining Europe: Arts, Culture, Politics</td>
<td>Investigation of defining debates on European culture and the fiction which shapes them. In collaboration with Nasher Museum. Focus on literature and the visual arts of France, Italy, Portugal, Spain. Comparative analysis of key issues, including arts of migration, multilingualism, cultural and political relations within and without Europe, development of financial systems. Major authors: Marco Polo, Khatibi, Montaigne, Montesquieu, Balzac, Calvino, Némirovsky, Semprún, Saramago. Research in museum collections on major pieces.</td>
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</table>

### ROMST202P - Imagining Europe: Arts, Culture, Politics Preceptorial

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<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
<th>Description</th>
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<tbody>
<tr>
<td>ROMST</td>
<td>202P</td>
<td>Imagining Europe: Arts, Culture, Politics Preceptorial</td>
<td>A preceptorial, in French, requiring concurrent enrollment in Romance Studies 202 or French 429. Further information available from instructor.</td>
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</table>

### ROMST204FS - Clash of Civilizations: In the Heart of Europe

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<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
<th>Description</th>
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<tbody>
<tr>
<td>ROMST</td>
<td>204FS</td>
<td>Clash of Civilizations: In the Heart of Europe</td>
<td>This course focuses on the battle between barbarian invaders, established communities, and new religions in the Middle Ages. What became Spain and Portugal were battlegrounds between faiths old and new, a clash of civilizations between Christianity, Judaism, and Islam that would inform future global conflicts. We explore the history of this confrontation at the crossroad of civilizations—between East and West, Africa and Europe—and its effect on our worldview today. A common culture was forged in science, mathematics, music, literature, philosophy, and mysticism, a shared legacy shaping world history and the current world order. Part of the 'Geopolitics and Culture' Focus Cluster.</td>
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### ROMST205 - The Problem of Love in Western Literature

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<tr>
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<th>Catalog Number</th>
<th>Title</th>
<th>Description</th>
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<tbody>
<tr>
<td>ROMST</td>
<td>205</td>
<td>The Problem of Love in Western Literature</td>
<td>Love causes problems. It can inspire passion or madness; foster alliances, destroy friendships, provoke war, broker peace. It impacts communities and raises fundamental questions about life. Exploring amorous discourse from two millennia –Plato's erotic ascent, Virgil's deceived Dido, Ovid's rules of seduction, Boccaccio's legitimation of female desire, Michelangelo's homoerotic poetry, Leonardo's sublimated impulses, Foscolo's tragic obsession, comic uncertainties of Svevo's modern lovers, and love from afar in Montale—we will see what changes, what persists, and ultimately come to understand what we mean when we talk about love today.</td>
</tr>
</tbody>
</table>
**ROMST205P - The Problem of Love in Western Literature - Preceptorial**

<table>
<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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<tbody>
<tr>
<td>ROMST</td>
<td>205P</td>
<td>The Problem of Love in Western Literature - Preceptorial</td>
</tr>
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</table>

**Description**

A preceptorial, in Italian, requiring concurrent enrollment in Romance Studies 205 or Italian 225. Further information available from instructor.

**ROMST205S - The Problem of Love in Western Literature**

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<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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<tbody>
<tr>
<td>ROMST</td>
<td>205S</td>
<td>The Problem of Love in Western Literature</td>
</tr>
</tbody>
</table>

**Description**

Love causes problems. It can inspire passion or madness; foster alliances, destroy friendships, provoke war, broker peace. It impacts communities and raises fundamental questions about life. Exploring amorous discourse from two millennia—Plato’s erotic ascent, Virgil’s deceived Dido, Ovid’s rules of seduction, Boccaccio’s legitimation of female desire, Michelangelo’s homoerotic poetry, Leonardo’s sublimated impulses, Foscolo’s tragic obsession, comic uncertainties of Svevo’s modern lovers, and love from afar in Montale—we will see what changes, what persists, and ultimately come to understand what we mean when we talk about love today.

**ROMST206 - Modern European Short Fiction**

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<tr>
<th>Subject</th>
<th>Catalog Number</th>
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<tbody>
<tr>
<td>ROMST</td>
<td>206</td>
<td>Modern European Short Fiction</td>
</tr>
</tbody>
</table>

**Description**

Comprehensive examination of several important works of modern European short fiction by authors such as Kafka, Woolf, Svevo, Sartre, Joyce, Proust, Mann, Schnitzler, Gogol, and Calvino. While stories will be contextualized historically, culturally, and geographically, course is organized into thematic units, including animals, home, punishment, and love, to facilitate comparative analysis. Students engage critically with concepts such as identity, trauma, genre, and narrative form.

**ROMST206P - Modern European Short Fiction Preceptorial**

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<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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<tbody>
<tr>
<td>ROMST</td>
<td>206P</td>
<td>Modern European Short Fiction Preceptorial</td>
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</tbody>
</table>

**Description**

A preceptorial, in Italian, requiring concurrent enrollment in Italian 336. Further information available from instructor.
### ROMST208FS - Gendering the Renaissance

**Subject**: ROMST  
**Catalog Number**: 208FS  
**Title**: Gendering the Renaissance

**Description**  
Course studies the debates around women, gender, and sexuality in Renaissance Italy and Europe (ca.1400–1700). Framed historically as 'the woman question' (la querelle des femmes), these debates challenged women’s nature, capabilities, and intellect, sparking robust response by women poets and philosophers, as well as by male defenders of the female sex. An interdisciplinary approach studying how gendered expectations for Renaissance women and men emerged across lyric poetry, conduct manuals, medical treatises, political pamphlets, paintings, theater, and early opera. We will contextualize early examples of premodern feminism, anti-feminism, misogyny, and prejudice compared to models today.

### ROMST217FS - Language, Thought, and Culture

**Subject**: ROMST  
**Catalog Number**: 217FS  
**Title**: Language, Thought, and Culture

**Description**  
Examines how language, thought, and culture are interrelated processes and structures. Takes a sociolinguistic perspective that language and society are intertwined, to understand how language either constrains or influences thought, how culture and language interact, and how culture is constructed through cognition. Course covers the study of signs (semiotics), cultural and linguistic depictions of people, groups, and issues (representation and discourse analysis), individual and societal beliefs about language itself (language ideologies), how meaning is created and perceived (semantics), and how speakers use language in real-life situations (linguistic anthropology). Open only to students in Focus Program. Department consent required.

### ROMST226S - Performing African Diaspora

**Subject**: ROMST  
**Catalog Number**: 226S  
**Title**: Performing African Diaspora

**Description**  
The Black cultural contributions of globally popular performance genres such as salsa, capoeira and kizomba often remain unrecognized. The objectives of this class are: 1) to understand the historical, cultural and political forces that created the African Diaspora and its rich tapestry of dances. 2) to question our assumptions that knowledge is only produced through the mind; knowledge is also produced and transmitted through moving bodies. To meet these objectives, the course will be a combination of seminar and studio: in seminar we will engage readings in anthropology, dance and performances studies about specific dances which we will then learn in studio.

### ROMST235SL - Capoeira: Practice and Culture

**Subject**: ROMST  
**Catalog Number**: 235SL  
**Title**: Capoeira: Practice and Culture

**Description**  
Lecture/lab course introducing the movement, music and culture of capoeira, an Afro-Brazilian martial art that combines dance, self-defense and acrobatics. Created by male African slaves in Brazil several hundred years ago, viewed as a social threat and outlawed in the 19th century, celebrated as an element of national identity in the 20th century, today capoeira is rapidly crossing national, racial and gender borders as it becomes a popular global practice. Studio classes twice a week focus on the basic movements, percussive music and call-and-response singing. Seminar once a week focuses on the historical, cultural and socio-political dynamics that shape capoeira in Brazil and beyond.
**ROMST256 - Italian Baroque Art**

**Subject**: ROMST  
**Catalog Number**: 256  
**Title**: Italian Baroque Art

**Description**
This course will trace the development of the Italian baroque in architecture, sculpture and painting. It will consider a variety of themes relevant to Baroque artistic production, including religious influences on the art of the period, namely the Reformation and the Catholic Counter-Reformation; economic influences; central versus peripheral locations; issues of gender and sexuality; patronage; architectural site and meaning; urban planning and transformation; the artist, his workshop and rivalries; decoding the myths of artistic genius; and seventeenth-century primary sources.

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**ROMST258S - Women and Power in the Renaissance**

**Subject**: ROMST  
**Catalog Number**: 258S  
**Title**: Women and Power in the Renaissance

**Description**
Explores the intellectual, social, and political history of women in Renaissance Europe. Despite the overwhelmingly patriarchal nature of early modern society, many women wrote treatises, dialogues, and poetry in which they argued for a broader role for women. Students will examine these primary texts (some by famous figures, others by much less well-known writers) within the context of a burgeoning social history that has provided a more nuanced view of gender relations and power in this period.

---

**ROMST266 - Virtual Realities: Collective Dreams from Plato to Cyberspace**

**Subject**: ROMST  
**Catalog Number**: 266  
**Title**: Virtual Realities: Collective Dreams from Plato to Cyberspace

**Description**
What is 'virtual reality'? If something is real, isn’t it also always actual, and if virtual, only almost or nearly real? What strange, hybrid no-mans-land lies midway between truth and illusion, and how can we learn to navigate inside this space? The puzzle is an old one, even if the technology we call VR is new. In this discussion-intensive course, we will read, watch, and play our way through some of the most powerful attempts to understand humanity’s penchant for collective dreaming: from Plato’s allegory of the cave, to the immersive spectacles of baroque theater, to the ghostly realms of gothic literature and modern film, to the invention of cyberspace and parallel universe games.

---

**ROMST266S - Virtual Realities: Collective Dreams from Plato to Cyberspace**

**Subject**: ROMST  
**Catalog Number**: 266S  
**Title**: Virtual Realities: Collective Dreams from Plato to Cyberspace

**Description**
What is ‘virtual reality’? If something is real, isn’t it also always actual, and if virtual, only almost or nearly real? What strange, hybrid no-mans-land lies midway between truth and illusion, and how can we learn to navigate inside this space? The puzzle is an old one, even if the technology we call VR is new. In this course, we will read, watch, and play our way through some of the most powerful attempts to understand humanity’s penchant for collective dreaming: from Plato’s allegory of the cave, to the immersive spectacles of baroque theater, to the ghostly realms of gothic literature and modern film, to the invention of cyberspace and parallel universe games.
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<tr>
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<tbody>
<tr>
<td>ROMST282S</td>
<td>282S</td>
<td>Modernism and the Arts</td>
</tr>
<tr>
<td>ROMST290</td>
<td>290</td>
<td>Special Topics in Romance Studies</td>
</tr>
<tr>
<td>ROMST290A</td>
<td>290A</td>
<td>Duke Administered Study Abroad: Topics in Romance Studies</td>
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<tr>
<td>ROMST290S</td>
<td>290S</td>
<td>Topics in Romance Studies</td>
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<tr>
<td>ROMST291-1</td>
<td>291-1</td>
<td>Independent Study</td>
</tr>
<tr>
<td>ROMST314</td>
<td>314</td>
<td>Introduction to Critical Theory</td>
</tr>
</tbody>
</table>

**ROMST282S - Modernism and the Arts**

**Subject** ROMST  
**Catalog Number** 282S  
**Title** Modernism and the Arts  
**Description** This course places international modernism in an intermedial perspective, presenting it as a broad conversation among international artists across various art forms. In addition to reading major literary works by writers such as Baudelaire, Mallarmé, Joyce, Eliot, Kafka, Woolf, Wat, Babel, Rilke, Anand, Césaire, Lu Hsun, students will enhance their understanding of modernism through exposure to other art forms, such as painting (Matisse, Picasso, Marc, Kandinsky, Chagall, Schoenberg), sculpture (Rodin, Brancusi, Giacometti), music (Schumann, Débussy, Stravinsky, Schoenberg, Berg, Gershwin), and film (Buñuel, Dali, Eisenstein, Vertov, Carné, Godard, Ruttmann, Cavalcanti, Vigo).

**ROMST290 - Special Topics in Romance Studies**

**Subject** ROMST  
**Catalog Number** 290  
**Title** Special Topics in Romance Studies  
**Description** A comparative study of languages, literatures, and/or cultures related to Romance Studies.

**ROMST290A - Duke Administered Study Abroad: Topics in Romance Studies**

**Subject** ROMST  
**Catalog Number** 290A  
**Title** Duke Administered Study Abroad: Topics in Romance Studies  
**Description** Topics in languages, literatures, and/or cultures related to Romance Studies. Offered as part of a Duke Administered Global Education program.

**ROMST290S - Topics in Romance Studies**

**Subject** ROMST  
**Catalog Number** 290S  
**Title** Topics in Romance Studies  
**Description** A comparative study of languages, literatures, and/or cultures related to Romance Studies.

**ROMST291-1 - Independent Study**

**Subject** ROMST  
**Catalog Number** 291-1  
**Title** Independent Study  
**Description** Individual study in a field of special interest, under the supervision of a faculty member, resulting in a substantive paper or written report containing significant analysis and interpretation of a previously approved topic. Consent of instructor and Director of Undergraduate Studies required. In English.

**ROMST314 - Introduction to Critical Theory**

**Subject** ROMST  
**Catalog Number** 314  
**Title** Introduction to Critical Theory  
**Description** This course is an introduction to fundamental texts and concepts in the history of critical theory. We will be expanding the scope of our examination well beyond the remit of the Frankfurt School, to which the term ‘critical theory’ is often linked and look at key texts in the history of political philosophy, social theory, linguistics and language philosophy, gender studies, critical race theory, and postcolonialism. All our readings will be primary literature from what might be dubbed a ‘critical theory cannon’ and is intended to introduce students in the humanities and qualitative social sciences to essential and foundational materials.
**ROMST317 - The Body in Art in Early Modern Europe: Power and Limits of Corporeal Representations**

**Description**
This course studies the artistic representations of the human body in many guises: aesthetic, political, social, cultural, and erotic. It analyses the different strategies artists deployed to develop rhetorics of the body both physical and emotional. It considers different media (including painting, sculpture, drawings, prints, architecture, and gardens) and major theoretical frameworks (including feminist theory, phenomenology, social theory and somaesthetics). This course considers the body dynamically through composition, as object of investigation, as locus of meaning and through social understanding. Lectures and discussions are complimented by corporeal performances and improvisations.

**ROMST319S - Andalusia: Muslim, Jewish, Christian Spain**

**Description**
Intersection of cultures, religions, languages, & peoples through history, poetry, music, architecture, & philosophy in Spain. Cultural flourishing from the contact—and sometimes clash—of European, Spanish, Islamic, Arab, African, Middle Eastern, and Jewish civilizations and Arabic, Spanish, and Hebrew languages. Ends with Andalusian culture in modern music, poetry, art, dance, & architecture at the crossroads of civilizations. Includes travel to Spain over spring break so students witness firsthand the coexistence of different religious traditions and cultures. Instructor consent required.

**ROMST321 - The Modern Caribbean after Emancipation**

**Description**
Focus on the Caribbean region as it transitioned from a collection of slave and colonial societies into a region of postcolonial and independent nations. Topics may include: postemancipation political and cultural struggles, pan-Africanism and Rastafarianism, nationalist and anticolonial movements, American economic and political influence in the region, Caribbean emigration to Europe and the United States, and global spread of Caribbean culture.

**ROMST322 - Sample & Remix: Contemporary Cultural Production Across Arts & Media**

**Description**
Sampling & remixing of previous works is a major mode of contemporary cultural production cutting across media and cultural practices. This course analyzes its genealogy, technological underpinnings, legal presuppositions and aesthetic consequences. Tensions between copy and copyright, between claims to originality and mechanical reproduction characterize this contemporary regime, now deployed globally. Its cultural implications will be distinguished from related modes of making art and meaning (imitation, citation, collage, montage...) and tracked through various objects: popular and avant-garde cinema; videogames, ready-mades and Pop Art; Hip-Hop and Electro; literature and DJ culture.
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<tr>
<th>Course Code</th>
<th>Subject</th>
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<th>Title</th>
<th>Description</th>
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<tbody>
<tr>
<td>ROMST324</td>
<td>ROMST</td>
<td>324</td>
<td>Mexico Since Before Cortes</td>
<td>Survey of Mexican history since before the encounter between European and native peoples, the experience of conquest, independence rebellions, liberal reforms, revolution, and modernization.</td>
</tr>
<tr>
<td>ROMST327S</td>
<td>ROMST</td>
<td>327S</td>
<td>Romance Studies Literature and Culture</td>
<td>A literary, cross-cultural critique focusing on history, literature, cinema and the arts. Open only to first years and sophomores. May be repeated if a different topic.</td>
</tr>
<tr>
<td>ROMST327SP</td>
<td>ROMST</td>
<td>327SP</td>
<td>Romance Studies Literature and Culture Preceptorial</td>
<td>Offered in either French, Italian, Portuguese, or Spanish, this zero credit preceptorial requires concurrent enrollment in Romance Studies 327S. Involves extra class time and assignments in order for Romance Studies 327S to count toward a major or minor. See instructor for additional information.</td>
</tr>
<tr>
<td>ROMST330S</td>
<td>ROMST</td>
<td>330S</td>
<td>Undocumented America in Literature</td>
<td>This seminar explores the representation of lived experiences, trajectories, and current events vis-à-vis the figure of the undocumented migrant, in contemporary American literature. Testimonial accounts, journalism chronicles, memoirs, poetry, cinematic works, and critical scholarship inform and propel our study of the experience of ('illegal') migrant movement—departure, journey, and arrival—as portrayed in Latino and Latina literature. We will question status designations such as 'illegal,' 'undocumented,' and 'unauthorized'; 'legitimacy' and recognition; the inadmissible and the construction of 'suspect' bodies; social participation in US society.</td>
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<tr>
<td>ROMST336S</td>
<td>ROMST</td>
<td>336S</td>
<td>Don Quixote for Beginners</td>
<td>This course introduces students to the overlapping realities and worlds that the novel encompasses to explore, through don Quixote’s knightly ambitions of justice, love, and freedom, the similarities, and differences we see between ourselves and others, in a changing world where chivalry ideals, popular culture, history, and uprooted lives, and early capitalism dialogue to each other. Multiple characters raise questions about escapism, social justice, borders, and exile linking the present and the past.</td>
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<tr>
<td>ROMST337</td>
<td>ROMST</td>
<td>337</td>
<td>America from Abroad: Literature and Cinema</td>
<td>This course explores the portrayals of America, especially the United States, from authors and directors who are not American and who often have never even seen America. We will read short stories, novels, and graphic novels and watch films. What do these works from other parts of the world have to say about dreams, race, love, immigration, and space in America? We will discuss imaginary Americas in order to understand these important works within their contexts, to examine how foreign representations of America have contributed to our idea of America, and to consider what imagined Americas suggest about us here in North Carolina.</td>
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<tr>
<td>Subject</td>
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<tr>
<td>ROMST</td>
<td>337P</td>
<td>America from Abroad: Literature and Cinema Preceptorial</td>
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<td>Description: A preceptorial, in Italian, requiring concurrent enrollment in Romance Studies 337S or Italian 337S. Further information available from instructor.</td>
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<td>338S</td>
<td>Brazil and Lusophone Africa</td>
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<td>Description: This seminar examines three historical components of the South Atlantic in terms of history, culture, and contemporary political and economic consequences. European colonialism in Africa and Brazil constitutes the baseline for this exploration, but the long and tardy nature of Portuguese colonialism in Africa in comparison with other European colonial powers, especially in its post-World War II manifestations, is our starting point. We will examine the last stages of Portuguese colonialism in Lusophone Africa, the African liberation movements and the efforts to forge new transnational relations among Portugal, Lusophone Africa and Brazil.</td>
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<td></td>
<td>338SP</td>
<td>Brazil and Lusophone Africa Preceptorial</td>
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<td>Description: A preceptorial, in Portuguese, requiring concurrent enrollment in Romance Studies 338S. Further information available from instructor.</td>
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<tr>
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<td>339S</td>
<td>Brazil, Race, Sex, and the Body</td>
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<td>Description: The approach of the course will be interdisciplinary, drawing upon works from anthropology, literature, history, and film. Topics will include colonialism and enslavement, abolition, nationalism, social activism, and popular culture. We will also consider how Brazilian social relations differ from or conform to other racialized patterns in other nation-states in the Americas. Particular attention will be placed on the impact of the interrelationship between race, gender, class, and nation on the lives of Black Brazilians.</td>
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</table>
ROMST341S - Perspectives on the Amazon

Subject: ROMST  
Catalog Number: 341S  
Title: Perspectives on the Amazon

Description: The Amazon has been a source of awe to outsiders at least since the first Europeans navigated the Amazon River in 1542. While early explorers searched the forest for a mythic city of gold, contemporary travelers, scientists, and concerned citizens look to the Amazon as the key to our endangered future. Focusing on a variety of textual and visual representations, we will deal with major themes in the history of the Amazon and consider the ways in which this vast and widely depicted region eludes representation, holding entirely different and contending meanings to distinct socio-cultural groups. Our sources include works by indigenous thinkers and cultural producers.

ROMST341SP - Perspectives on the Amazon Preceptorial

Subject: ROMST  
Catalog Number: 341SP  
Title: Perspectives on the Amazon Preceptorial

Description: A preceptorial, in Portuguese, requiring concurrent enrollment in Romance Studies 341S or Portuguese 341S. Further information available from instructor.

ROMST343S - The Acoustic Image in the Renaissance

Subject: ROMST  
Catalog Number: 343S  
Title: The Acoustic Image in the Renaissance

Description: Examines the dynamics between Renaissance voice, sound, and the body. Navigates the intersections between literary and performance histories. Studies the crossroads of personal and collective identity, issues of gender relations, factors of agency and exclusion, and the instruments of power that govern vocal expression. Readings and listenings include works by Homer, Ovid, Sappho, Petrarch, Costa, Monteverdi, Behn, Lope de Vega, Corneille, and others. Thematic units featured: voice in theory, the autobiographical pen, the political chorus, and performing the resilient body. Questions discussed: Who is allowed a voice? What do voices measure? What voices get heard? And who listens?

ROMST350 - Brains, Everywhere

Subject: ROMST  
Catalog Number: 350  
Title: Brains, Everywhere

Description: Over the last three decades we have witnessed the speedy rise of the 'neurosciences,' an historical event characterized by some 'neurocultures' and 'neuro-subjects.' In this course we will track this history and ask what change in meaning might 'neuro' effect in the disciplines that were previously 'neuro'-free. If there is a neuro-turn in the humanities and social sciences, what is that's 'turning'? We will consider the centrality of brain research in these discussions to ask questions about the meaning of 'personhood/subjectivity,' 'human/post human,' 'mind/body,' 'self/ego,' and 'emotion/affect.'
ROMST350S - Brains, Everywhere

Subject: ROMST
Catalog Number: 350S
Title: Brains, Everywhere

Description:
Over the last three decades we have the witnessed the speedy rise of the 'neurosciences,' an historical event characterized by some as a 'neuro-revolution' that has given rise to a 'neuro-society,' 'neurocultures,' and 'neuro-subjects.' In this seminar we will track this history and ask what change in meaning might 'neuro' effect in the disciplines that were previously 'neuro'-free. If there is a neuro-turn in the humanities and social sciences, what is it that's 'turning'? We will consider the centrality of brain research in these discussions to ask questions about the meaning of 'personhood/subjectivity,' 'human/post human,' 'mind/body,' 'self/ego,' and 'emotion/affect.'

ROMST365S - Latino/a Popular Culture

Subject: ROMST
Catalog Number: 365S
Title: Latino/a Popular Culture

Description:
Examines connections between US Latina/o and Latin American populations mediated by contemporary popular culture and the world of the commodity. Explores sociocultural and political issues in US national culture, the ways US Latina/o cultures dialogue across the Americas, and how Latina, Latino, LatinX, and Latin American bodies inhabit particular cultural and geographic contexts. Addresses how popular cultural forms are developed, contested, or resolved vis-à-vis issues of difference, multicultural inclusiveness, domestic history, narratives of exile and migration. Materials covered include films, documentaries, television shows, art, advertising, comic strips, food fusions, music.

ROMST366S - Picaras and Outlaws: Global South Feminisms

Subject: ROMST
Catalog Number: 366S
Title: Picaras and Outlaws: Global South Feminisms

Description:
The term 'pícara' or 'rogue outlaw' was designed to regulate and criminalize the bodies of women transgressing boundaries. This course uses the term to delve into the heroic histories of some of the most prominent women voices across the Global South and the various ways they challenge normalized and heteronormative structures of society. From a Cuban slave revolt leader, or the 17th century colonial 'Memoire of Basque Transvestite in the New World,' to the seminal Borderlands=La Frontera, prominent African Feminist theorists, and pop culture film Real Women Have Curves, we will read and engage in some of the most daring accounts of women power throughout the ages.

ROMST366SP - Picaras and Outlaws: Global South Feminism Preceptorial

Subject: ROMST
Catalog Number: 366SP
Title: Picaras and Outlaws: Global South Feminism Preceptorial

Description:
A preceptorial, in Spanish, requiring concurrent enrollment in ROMST 366S. Further information available from instructor.
**ROMST377S - Language & Identity: How We Construct Identities and Reproduce Social Hierarchies Through Language**

**Subject**
ROMST

**Catalog Number**
377S

**Title**
Language & Identity: How We Construct Identities and Reproduce Social Hierarchies Through Language

**Description**
Language is a central and pervasive feature of human identity through which we portray ourselves and negotiate social identities. With such practices we re-produce values, norms, social hierarchies, and the privilege these entail. Using examples from media, literature, and ethnographic data we will explore how speakers negotiate social identities through language and how ideas about it inform our understanding and interpretation of society and speakers within it. Topics include language, racism, gender, sexuality, class, ethnicity and ways that language and discourse construct and maintain a sense of belonging, otherness, truth, and value. Not open to students who have taken Romance Studies 207FS.

**ROMST379S - The Detective Novel**

**Subject**
ROMST

**Catalog Number**
379S

**Title**
The Detective Novel

**Description**
What is a detective novel, and how does it "work"? By looking at synchronic and diachronic transformations of the genre—from British Sherlock Holmes to the South African "noir-fantastic"—the course investigates the structure of literary genres and their adaptability to different social, cultural, and civilizational contexts. The course has no prerequisites and is designed for majors and minors in Romance Studies and the humanities in general.

**ROMST380 - France and Africa: The Politics and Culture of (Post-)Coloniality**

**Subject**
ROMST

**Catalog Number**
380

**Title**
France and Africa: The Politics and Culture of (Post-)Coloniality

**Description**
Examination of the Franco-African relationship over time, from the four 'communes' in Senegal to the present, through a political but also broader cultural lens. France's colonial doctrine and practices, African resistance and collaboration, 'la francophonie' and the postcolonial 'Françafrique' are analyzed as well as collective imaginaries on either side and how they shaped each other in literature, film, the social sciences or everyday life. The course is taught in English but a preceptorial class in French is offered in addition so that students can meet the requirement for their major or minor in French. Newcomers to Africa are welcome.

**ROMST380P - France and Africa: The Politics and Culture of (Post-)Coloniality Preceptorial**

**Subject**
ROMST

**Catalog Number**
380P

**Title**
France and Africa: The Politics and Culture of (Post-)Coloniality Preceptorial

**Description**
A preceptorial, in French, requiring concurrent enrollment in African & African American Studies 380 or Romance Studies 380. Course counts toward the language requirement for the French major or minor if student enrolls in the preceptorial. Students need to have the proficiency to partake in discussions in French in the preceptorial, as well as to complete their readings and their final paper in African & African American Studies 380 or Romance Studies 380 in French. Further information available from instructor.
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<th>Description</th>
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<tbody>
<tr>
<td>ROMST381S - Mapping Jewish Modernism</td>
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<td>381S</td>
<td>Mapping Jewish Modernism</td>
<td>Students research Jewish modernism through questions of geography and movement, pointing to the many places where modern Jewish art has been created and the experiences of migration, exile, diaspora, and resettlement that shaped this work. We discuss the varieties of ways that different art forms, including literature, theater, music, art, film, architecture, and dance, can be mapped. We analyze mapping in terms of the movements of people (artists, authors, and directors), of objects (paintings, literature, performances, and films), and within the works themselves. Work with the Rubenstein Library will lead to projects that contribute to an exhibit in Perkins Library and a digital site.</td>
</tr>
<tr>
<td>ROMST382 - Race, Class, and Family in Contemporary Literature: Journeys, Generations, and Translations</td>
<td>ROMST</td>
<td>382</td>
<td>Race, Class, and Family in Contemporary Literature: Journeys, Generations, and Translations</td>
<td>An opportunity to study with the Somali-Italian author Igiaba Scego, this English-language course explores representations of race, class &amp; families in contemporary fiction. The course has three parts: 1) Analysis of Scego's work, which is crucial to debates on migration, decolonization, racism, feminism &amp; translation; 2) read Italian and Brazilian authors to examine the intersection of color and class that cross Italy &amp; Brazil from the colonial period to today, including the journeys and interactions between parents, siblings; 3) discussion of Scego's just-translated 'The Color Line,' which moves between the U.S., Italy, and Somalia, &amp; final projects.</td>
</tr>
<tr>
<td>ROMST388S - Food, Culture, and Society</td>
<td>ROMST</td>
<td>388S</td>
<td>Food, Culture, and Society</td>
<td>This DukeImmerse course provides a broad overview of food as culture and its role in society. Exploration of the intersections between food and identity from gender, ethnic, class, religious, and political identities to how people use food to develop a sense of themselves as ethical beings. Food and democracy and food activism. Readings from anthropological, sociological, linguistic, and literary writings with ethnographic observations in local communities of practice. Instructor consent required.</td>
</tr>
<tr>
<td>ROMST389S - Linguistic Human Rights in the Americas</td>
<td>ROMST</td>
<td>389S</td>
<td>Linguistic Human Rights in the Americas</td>
<td>This DukeImmerse course brings together topics of language and human rights, focusing on situations of linguistic disparities in the Americas. Explores questions of language contact, bilingualism and endangered languages from perspective of social injustices and human rights. Examines how language aids in the construct of social context and institutions and how it reflects and sustains social realities, reflecting on situations of oppression and how they are associated to sociolinguistic attitudes and behavior. Explores overlap of linguistic human rights with cultural and minority rights; all in connection to the right of maintaining one’s identity as well as sustaining human rights. Instructor consent required.</td>
</tr>
<tr>
<td>ROMST390 - Special Topics in Romance Studies</td>
<td>ROMST</td>
<td>390</td>
<td>Special Topics in Romance Studies</td>
<td>A comparative study of languages, literatures, and/or cultures related to Romance Studies.</td>
</tr>
<tr>
<td>ROMST390S - Special Topics in Romance Studies</td>
<td>ROMST</td>
<td>390S</td>
<td>Special Topics in Romance Studies</td>
<td>A comparative study of languages, literatures, and/or cultures related to Romance Studies.</td>
</tr>
</tbody>
</table>

1359 / 1527
ROMST390SP - Romance Studies Topics Preceptorial
Subject: ROMST
Catalog Number: 390SP
Title: Romance Studies Topics Preceptorial
Description: Offered in either French, Italian, Portuguese, or Spanish, this zero credit preceptorial requires concurrent enrollment in Romance Studies 390S under the same topic. Involves extra class time and assignments in order for Romance Studies 390S to count towards the language requirement for the major or minor. Enrollment does not satisfy Trinity foreign language requirement.

ROMST391 - Independent Study
Subject: ROMST
Catalog Number: 391
Title: Independent Study
Description: Individual study in a field of special interest, under the supervision of a faculty member, resulting in a substantive paper or written report containing significant analysis and interpretation of a previously approved topic. Consent of instructor and Director of Undergraduate Studies required. In English.

ROMST393 - Research Independent Study
Subject: ROMST
Catalog Number: 393
Title: Research Independent Study
Description: Individual research in a field of special interest, under the supervision of a faculty member, resulting in a substantive paper or written report containing significant analysis and interpretation of a previously approved topic. Open only to qualified students by consent of instructor and director of undergraduate studies.

ROMST410D - Black (In) Translation
Subject: ROMST
Catalog Number: 410D
Title: Black (In) Translation
Description: Examines the meanings of Blackness as it moves through the Atlantic world from 18th century to present. Readings explore theories of race and representation, and ways that translation conveys, shapes, and disrupts ideas about Blackness as cultural identity, lived experience, political claim. Course materials include works of literature, history, anthropology, and film. Taught in English, though, students enrolled under foreign language discussion sections will do reading, writing, research, and discussion in the language, requiring 2 years of foreign language study for language credit for the major or minor.

ROMST412S - Afro-Latin America
Subject: ROMST
Catalog Number: 412S
Title: Afro-Latin America
Description: This course focuses on the position of Blacks in the national histories and societies of Latin America from slavery to the present day. Emphasis is on an interdisciplinary engagement with issues and critical discussion of national images contrasted with the realities of blackness. We will explore the connections between race, gender, sexuality, and representation in national and transnational encounters and the consequences of the migration of people and ideas within the hemisphere. Countries to be explored include Cuba, Brazil, the Dominican Republic, Puerto Rico, Argentina, Mexico, Haiti, and Peru.

ROMST430 - Music History and Politics in Contemporary Africa
Subject: ROMST
Catalog Number: 430
Title: Music History and Politics in Contemporary Africa
Description: The objective of the course is to analyze the social, political and cultural dynamics of post-independence African states through the musical archive. The course will analyze the role that music has played in the construction of national identities in post-colonial African states, but also in social, political and cultural dynamics of contemporary Africa. From High-life in Ghana to Congolese rumba, Afrobeat in Nigeria, reggae, Hip Hop and Rai, it will show how music has accompanied societal and political evolutions of African nations. The course will think of music as a landscape and analyze the musical circulation, as a space for the constitution of African societal modernities. In English.
<table>
<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ROMST</td>
<td>430P</td>
<td>Music History and Politics in Contemporary Africa Preceptorial</td>
<td>ROMST</td>
<td>450</td>
<td>Second Language Acquisition and Research</td>
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<tr>
<td>ROMST</td>
<td>451S</td>
<td>Theories and Techniques of Teaching Foreign Languages</td>
<td>ROMST</td>
<td>489S</td>
<td>Screening Europe</td>
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<tr>
<td>ROMST</td>
<td>489SP</td>
<td>Screening Europe Preceptorial</td>
<td>ROMST</td>
<td>490</td>
<td>Topics in Romance Studies</td>
</tr>
</tbody>
</table>

### ROMST430P - Music History and Politics in Contemporary Africa Preceptorial

**Subject**: ROMST  
**Catalog Number**: 430P  
**Title**: Music History and Politics in Contemporary Africa Preceptorial  
**Description**: A preceptorial, in French, requiring concurrent enrollment in Romance Studies 430 or French 430. Further information available from instructor.

### ROMST450 - Second Language Acquisition and Research

**Subject**: ROMST  
**Catalog Number**: 450  
**Title**: Second Language Acquisition and Research  
**Description**: Addresses historical and current perspectives on second language acquisition. SLA is the study of processes that contribute to learning a language other than the first language. The course will focus on linguistic, cognitive, and sociocultural processes that contribute to the acquisition of the L2. Research methodologies, neuroimaging, and data interpretation will be emphasized. Recommended prerequisite (for Neuroscience majors): Neuroscience 101 or 102.

### ROMST451S - Theories and Techniques of Teaching Foreign Languages

**Subject**: ROMST  
**Catalog Number**: 451S  
**Title**: Theories and Techniques of Teaching Foreign Languages  
**Description**: A survey of approaches to foreign language teaching and their historical development, an introduction to the theoretical notions underlying current trends in second language acquisition and teaching. Language learning, language teaching, bilingual education. Students who have taken French or Spanish FL courses should have language proficiency at the 400 level or higher. Students who have taken Italian or Portuguese FL courses will be interviewed to determine readiness. Prerequisite: One 400-level French or Spanish FL-coded course, or by instructor consent.

### ROMST489S - Screening Europe

**Subject**: ROMST  
**Catalog Number**: 489S  
**Title**: Screening Europe  
**Description**: Course debates identification of Europe as a political, historical and social entity from the standpoint of cinema. Provides students with an introduction to the notion of 'European cinema' from 1945 to the present-day crisis of Brexit and migration. Explores issues concerning interactions and relations between national and transnational identities, the local and the global, post-colonialism and multiculturalism, migration and nationalism, and Eastern versus Western Europe.

### ROMST489SP - Screening Europe Preceptorial

**Subject**: ROMST  
**Catalog Number**: 489SP  
**Title**: Screening Europe Preceptorial  
**Description**: A preceptorial, in French, requiring concurrent enrollment in Romance Studies 489S or French 489S. For French minors and majors, and all students who want to improve their linguistic skills. Students lead class discussions in French, write all their assignments in French and give an oral presentation in French. Further information available from the instructor.

### ROMST490 - Topics in Romance Studies

**Subject**: ROMST  
**Catalog Number**: 490  
**Title**: Topics in Romance Studies  
**Description**: A comparative study of languages, literatures, and/or cultures related to Romance Studies.
### ROMST490S - Topics in Romance Studies

**Subject**: ROMST  
**Catalog Number**: 490S  
**Title**: Topics in Romance Studies  
**Description**: A comparative study of languages, literatures, and/or cultures related to Romance Studies.

### ROMST490SP - Preceptorial in Romance Studies

**Subject**: ROMST  
**Catalog Number**: 490SP  
**Title**: Preceptorial in Romance Studies  
**Description**: A preceptorial in French, Spanish, Portuguese, Italian or Creole requiring concurrent enrollment in ROMST 490S. Further information available from instructor.

### ROMST493 - Research Independent Study

**Subject**: ROMST  
**Catalog Number**: 493  
**Title**: Research Independent Study  
**Description**: Individual research in a field of special interest, under the supervision of a faculty member, resulting in a substantive paper or written report containing significant analysis and interpretation of a previously approved topic. Open only to qualified seniors by consent of instructor and director of undergraduate studies.

### ROMST495 - Honors Thesis

**Subject**: ROMST  
**Catalog Number**: 495  
**Title**: Honors Thesis  
**Description**: Preparation and writing of research paper for departmental distinction. Consent of both the instructor and the director of undergraduate studies required. See section on honors in Bulletin.

### ROMST89S - First Year Seminar in Romance Studies

**Subject**: ROMST  
**Catalog Number**: 89S  
**Title**: First Year Seminar in Romance Studies  
**Description**: Topics vary each semester offered. This course is restricted to first-year students.

### RUSSIAN101 - Elementary Russian I

**Subject**: RUSSIAN  
**Catalog Number**: 101  
**Title**: Elementary Russian I  
**Description**: Introduction to understanding, speaking, reading, and writing. Study of contemporary Russian language and important elements of Russian culture.

### RUSSIAN101SA - Elementary Russian I

**Subject**: RUSSIAN  
**Catalog Number**: 101SA  
**Title**: Elementary Russian I  
**Description**: Introduction to understanding, speaking, reading, writing and grammar. Study of contemporary Russian language and important elements of Russian culture. Taught in St. Petersburg, Russia. Course taught in Russian and English. Instructor consent required.

### RUSSIAN102 - Elementary Russian II

**Subject**: RUSSIAN  
**Catalog Number**: 102  
**Title**: Elementary Russian II  
**Description**: Continuation of Russian 101. Introduction to understanding, speaking, reading, and writing. Study of contemporary Russian language and important elements of Russian culture. Second half of Russian 101, 102. Prerequisite: Russian 101.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>RUSSIAN102SA</td>
<td>RUSSIAN</td>
<td>102SA</td>
<td>Elementary Russian II</td>
<td>Introduction to understanding, speaking, reading, writing and grammar. Study of contemporary Russian language and important elements of Russian culture. Taught in St. Petersburg, Russia. Course taught in Russian and English. Second half of Russian 101. Instructor consent required.</td>
</tr>
<tr>
<td>RUSSIAN103</td>
<td>RUSSIAN</td>
<td>103</td>
<td>Elementary Russian Conversation</td>
<td>Introduction to spoken Russian with emphasis on basic conversational style and increasing vocabulary. Corequisite: Russian 101 or Russian 111.</td>
</tr>
<tr>
<td>RUSSIAN104</td>
<td>RUSSIAN</td>
<td>104</td>
<td>Elementary Russian Conversation</td>
<td>Continuation of Russian 103. Prerequisite: Russian 101 or Russian 111.</td>
</tr>
<tr>
<td>RUSSIAN111</td>
<td>RUSSIAN</td>
<td>111</td>
<td>Intensive Russian</td>
<td>Intensive study of contemporary Russian language and important elements of Russian culture.</td>
</tr>
<tr>
<td>RUSSIAN112</td>
<td>RUSSIAN</td>
<td>112</td>
<td>Accelerated Russian Language and Culture I</td>
<td>Accelerated study of contemporary Russian language and important elements of Russian culture. Intended for students with no previous knowledge of Russian interested in achieving significant proficiency in speaking, reading, writing, and comprehension based on cultural constructs in one semester of study. Includes significant use of technology to enhance learning.</td>
</tr>
<tr>
<td>RUSSIAN112A</td>
<td>RUSSIAN</td>
<td>112A</td>
<td>Accelerated Russian Language and Culture I</td>
<td>Accelerated study of contemporary Russian language and important elements of Russian culture. Intended for students with no previous knowledge of Russian interested in achieving significant proficiency in speaking, reading, writing, and comprehension based on cultural constructs in one semester of study. Includes significant use of technology to enhance learning.</td>
</tr>
</tbody>
</table>
RUSSIAN121FS - Medical Ethics, Aging, and End of Life Care in the US

Subject: RUSSIAN  
Catalog Number: 121FS  
Title: Medical Ethics, Aging, and End of Life Care in the US

Description:
Study of medical ethics, policy, clinical, and personal issues in working with dying and bereaved people. Focuses on diverse populations in ethnicity, culture, socioeconomic status, education, sexual orientation, and more. Various models for providing care to the dying and bereaved. Visits from medical personnel. Works to be read/viewed may include 'Me, Earl, and the Dying Girl,' Charon's 'Narrative Medicine,' Gawande's 'Being Mortal,' Tolstoy's 'Death of Ivan Ilich,' Kalanithi's 'When Breath Becomes Air,' and policy articles on end of life care and physician assisted suicide. Focus Program students only. Service-Learning course. Instructor consent required.

RUSSIAN190S - Special Topics in Russian Culture

Subject: RUSSIAN  
Catalog Number: 190S  
Title: Special Topics in Russian Culture

Description:
Special Topics in Russian Culture. Topics vary each semester.

RUSSIAN203 - Intermediate Russian I

Subject: RUSSIAN  
Catalog Number: 203  
Title: Intermediate Russian I

Description:
Intensive classroom and laboratory practice in spoken and written patterns. Reading in contemporary literature. Prerequisite: Russian 101 and 102, or two years of high school Russian.

RUSSIAN204 - Intermediate Russian II

Subject: RUSSIAN  
Catalog Number: 204  
Title: Intermediate Russian II

Description:
Intensive classroom and laboratory practice in spoken and written patterns. Reading in contemporary literature. Prerequisite: Russian 101, 102 and 203 or equivalent.

RUSSIAN205 - Intermediate Russian Conversation

Subject: RUSSIAN  
Catalog Number: 205  
Title: Intermediate Russian Conversation

Description:
Consolidation of oral skills. Intensive conversation on a broad range of topics. Prerequisite: Russian 101 and 102, or equivalent.

RUSSIAN207AS - Intermediate Russian Language and Culture

Subject: RUSSIAN  
Catalog Number: 207AS  
Title: Intermediate Russian Language and Culture

Description:
Intensive classroom practice in phonetics, conversation, and grammar. Focus on literature and films, with museum and theater performance component. (Taught in St. Petersburg in Russian and English depending on placement.) Prerequisite: Russian 102 or equivalent.
RUSSIAN208AS - Intermediate Russian Language and Culture

Subject: RUSSIAN
Catalog Number: 208AS
Title: Intermediate Russian Language and Culture

Description: Continuation of Russian 207AS. (Taught in St. Petersburg in Russian and English depending on placement.) Prerequisite: Russian 207AS or equivalent.

RUSSIAN221A - Russian Language Studies in St. Petersburg

Subject: RUSSIAN
Catalog Number: 221A
Title: Russian Language Studies in St. Petersburg

Description: Russian grammar, composition and textual analysis taught only in St. Petersburg for students participating in the semester program. Explicit analysis of historical and contemporary cultural representations and texts in language, literature and the verbal arts.

RUSSIAN222A - Language, Culture, and Myth: The Slavic Proverb

Subject: RUSSIAN
Catalog Number: 222A
Title: Language, Culture, and Myth: The Slavic Proverb

Description: The sources of the Slavic proverb, the proverb as microtext of national stereotypes, and its function in modern literature and culture. West, South and East Slavic proverbs contrasted with other Indo-European language families. Theoretical aspects include explications of the relationship of language and culture and problems of translation. Taught in English or Russian. Readings in Russian with excerpts from other Slavic languages. Taught in St. Petersburg, Russia.

RUSSIAN223A - Contemporary Russian Media

Subject: RUSSIAN
Catalog Number: 223A
Title: Contemporary Russian Media

Description: Same as Russian 135 but taught only in St. Petersburg. Taught in Russian. Prerequisite: Russian 204 or equivalent.

RUSSIAN237 - Russia in the World: From Cold War to Putin's Wars

Subject: RUSSIAN
Catalog Number: 237
Title: Russia in the World: From Cold War to Putin's Wars

Description: Traces evolution of Russian Federation foreign policy from the collapse of the Soviet Union at the beginning of the 1990s to the 2022 war in Ukraine. Examines elements of Russian grand strategy: military, economic (especially oil and gas), and diplomatic tools. Explores the role of one individual, President Vladimir Putin, in shaping policy in an increasingly autocratic state. Focuses on Russia’s relations with its neighbors, former allies, Europe, and the wider world, including the United States. Identifies linkages between domestic politics and events and foreign policy. Assignments focus on translating historical knowledge into actionable policy advice to meet current challenges.

RUSSIAN267S - Global Cold War

Subject: RUSSIAN
Catalog Number: 267S
Title: Global Cold War

Description: Traditional narratives of the Cold War focus on a bi-polar series of conflicts that pit the United States against the Soviet Union in a good-versus-evil battle for global political and military supremacy. This course destabilizes this account of a process that affected every continent on earth – and even reached into space – over the period of more than half a century. It explores the Cold War from East-West, North-South, global, and interstellar perspectives. In addition to political and military issues, the course will also discuss the Cold War in social, cultural, intellectual, and economic spheres.
<table>
<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>RUSSIAN</td>
<td>273T</td>
<td>Voices in Public Policy: Russian Tutorial</td>
</tr>
</tbody>
</table>

**Description**

Students will explore how language and culture impact public policy and practice. Through authentic text, video, and case studies in Russian, students will analyze public policy issues in the Russian-speaking world, in order to develop their understanding of core issues in the field. 1/2 credit. S/U. Tutorials meet for 75 minutes/week. Taught in the target language.

<table>
<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>RUSSIAN</td>
<td>276</td>
<td>From Tsars to Commissars: Russian Cultural History</td>
</tr>
</tbody>
</table>

**Description**

Medieval origins of the Imperial Russian state, concentrating on the period between the reign of Catherine the Great (1762-1796) and the death of Lenin in 1924. Emphasis on state authority, ruling elites, and the formation of the opposition revolutionary movement leading to the Bolshevik seizure of power in 1917.

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<tr>
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<th>Catalog Number</th>
<th>Title</th>
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<tbody>
<tr>
<td>RUSSIAN</td>
<td>278S</td>
<td>Literatures and Films of Pandemic</td>
</tr>
</tbody>
</table>

**Description**

This course explores past pandemics as a way to think about how to best live through COVID-19 and prevent or minimize future pandemics. Through examining literature and film, we will analyze the psychosocial dimensions of pandemic. We will read a variety of texts including: histories, fiction (Bulgakov, Porter, Tolstoy, Colson Whitehead); short essays; and films (e.g., Contagion, Outbreak). How do science, medicine, and society interact in a time of pandemic? How do pandemics reveal social inequities, and how could we use this knowledge to decrease disparities? And why do people turn to the humanities and arts in times of pandemic?

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<tr>
<td>RUSSIAN</td>
<td>282S</td>
<td>Writing Movies and Plays: Adaptation</td>
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</tbody>
</table>

**Description**

Theory and practice of the process of adaptation of serious literary works of fiction to screenplay or play form. Reading and analysis of literary works adapted as screenplays and plays. Project in writing an adaptation.

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<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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<tbody>
<tr>
<td>RUSSIAN</td>
<td>290A</td>
<td>Duke-Administered Study Abroad: Advanced Special Topics in Russian</td>
</tr>
</tbody>
</table>

**Description**

Intensive in-country study of Russian language and culture. Analysis of literary and journalistic texts, film, television and popular culture. Specific body of texts differs by section.

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<tr>
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<th>Catalog Number</th>
<th>Title</th>
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<tbody>
<tr>
<td>RUSSIAN</td>
<td>290S</td>
<td>Topics in Russian Studies</td>
</tr>
</tbody>
</table>

**Description**

Topics vary each semester.
<table>
<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>RUSSIAN</td>
<td>301S</td>
<td>Contemporary Russian Composition and Readings</td>
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<td>Description</td>
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<td>Advanced grammar and syntax with intense composition component. Analytical readings in the original. Prerequisite: Russian 203 and 204, or equivalent.</td>
</tr>
<tr>
<td>RUSSIAN</td>
<td>302S</td>
<td>Contemporary Russian Composition and Readings</td>
</tr>
<tr>
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<td></td>
<td>Description</td>
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<td></td>
<td>Continuation of Russian 301S. Prerequisite: Russian 301S.</td>
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<tr>
<td>RUSSIAN</td>
<td>307AS</td>
<td>Studies in the Russian Language and Culture</td>
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<td>Description</td>
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<td>Analytical readings including grammatical and textual analysis. Additional work in phonetics and conversation. Literature, films, museums, and theater performances central for analysis and written assignments. (Taught in St. Petersburg in Russian.) Prerequisite: Russian 204 or equivalent.</td>
</tr>
<tr>
<td>RUSSIAN</td>
<td>308AS</td>
<td>Studies in the Russian Language and Culture</td>
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<td>Description</td>
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<td></td>
<td>Continuation of Russian 307AS. Prerequisite: Russian 307AS or equivalent.</td>
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<tr>
<td>RUSSIAN</td>
<td>310</td>
<td>The Russian Fairy Tale and Its Cultural Legacy</td>
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<td>Description</td>
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<td>Introduction to Russia's extraordinary fairy tales and their rich legacy in modern Russian literature, music, visual and performing arts, and handicrafts. Reflects on the genesis of the Russian fairy tale; samples thematic groups of tales (e.g., the 'foolish' third son, stepmother-stepdaughter tales); reads tales as expressions of folk belief, works of oral art, explorations of the human psyche and human relations, and stylized reflections of their sociopolitical context. Also traces how certain tales have been reworked into other art forms. All texts in English translation.</td>
</tr>
<tr>
<td>RUSSIAN</td>
<td>311</td>
<td>The Quest for Identity: Russian Literature and Culture, 1800-1855</td>
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<td>Description</td>
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<td>Examines how Russian writers and artists distinguished imperial Russia's modern political, social, and cultural identity under 'Western eyes.' Topics include search for 'truly Russian' models, topics, and styles; domestic debate between Westernizing and 'Slavophile' camps; emergence of women writers; relations between urban and provincial cultures; connections between national identity formation and empire building. Course texts may include fiction, memoirs, and drama by Pushkin, Durova, Gogol, Lermontov, and Pavlova; social commentary by Belinsky and Herzen; works of fine art and folk culture.</td>
</tr>
</tbody>
</table>
RUSSIAN313 - The Russian Novel
Subject: RUSSIAN
Catalog Number: 313
Title: The Russian Novel
Description: Close reading of Tolstoy's Anna Karenina, Dostoevsky's Possessed, Andrey Bely's Petersburg, Bulgakov's Master and Margarita, Nabokov's The Gift, and Makine's Memoirs of my Russian Summers. Discussions will focus on these representative writers' changing perceptions of, and responses to social and ethical issues and of creativity, itself, as the genre evolved in the modern times between the 1870s and now. Final research paper required and can include in-depth discussion of one of the works or the comparison of one or more aspects of several texts. Taught in English.

RUSSIAN314 - The Devil in Russian Literature
Subject: RUSSIAN
Catalog Number: 314
Title: The Devil in Russian Literature
Description: The symbolic and metaphorical system that surrounds the image of the Fiend; the figure of the Devil in his various manifestations through Russian folklore, culture, and literature. Taught in English.

RUSSIAN316 - Russian Short Fiction
Subject: RUSSIAN
Catalog Number: 316
Title: Russian Short Fiction
Description: The history, development, and shifts of Russian short fiction in the nineteenth and twentieth centuries. Authors include Dostoevsky, Vovchok, Leskov, Chekhov, Gippius, and Zoshchenko. Topics include gender, genre, and national identity in historical/cultural context. Taught in English.

RUSSIAN317S - Expressing Immigrant Experience: The Russians
Subject: RUSSIAN
Catalog Number: 317S
Title: Expressing Immigrant Experience: The Russians
Description: Some of the world’s greatest artistic works have emerged from the creator’s experience of crossing boundaries—linguistic, geographic, cultural, and social/psychological. This course examines the particular case of Russia’s emigre experience in the English-speaking world as recorded in literature and the other creative arts.

RUSSIAN318 - Follow the Ruble: Money in Russian Literature and Culture
Subject: RUSSIAN
Catalog Number: 318
Title: Follow the Ruble: Money in Russian Literature and Culture
Description: Reading Russian literature through the lens of economics. Money as a driving plot principle in fiction from the 1600s to the present day. The profit motive underlying Russian artistic depictions of criminality. Gamblers, rogues, smugglers, thieves, tycoons, oligarchs, and ‘New Russian’ entrepreneurs as protagonists. Swindling and black marketeering as the underside of an economic system that condemns capitalism and the ‘middleman.’ Financial dealings as a battlefield between Russian and Western cultural values. Students are encouraged to do course projects applying economic analytical models to literary texts and films.

RUSSIAN321 - The New Russia: Reflections of Post-Soviet Reality in Literature and Film
Subject: RUSSIAN
Catalog Number: 321
Title: The New Russia: Reflections of Post-Soviet Reality in Literature and Film
Description: Examination of fiction and film in the post-Soviet period. Topics include: crime and social breakdown in the 1990s and 2000s; transformations of classic character types (anti-hero, virgin-whore, swindler-rogue); religious and ethical quests; taboo-breaking themes. Works by authors Sorokin, Grishkovets, Pelevin, Petrushkevskaya, Sadur, Shishkin, Minaev, Tolstaya, Akunin, Ulitskaya and filmmakers Bodrov, Rogozhin, Bekmambetov, Khlebnikov/Poporgrebsky, Balabanov, and Sokurov. Readings and class discussions in English.
RUSSIAN323 - Dostoevsky
Subject: RUSSIAN
Catalog Number: 323
Title: Dostoevsky
Description: Introduction to life, works, and criticism. Readings include Crime and Punishment, The Idiot, and The Brothers Karamazov. Taught in English.

RUSSIAN325 - Tolstoy and the Russian Experience
Subject: RUSSIAN
Catalog Number: 325
Title: Tolstoy and the Russian Experience
Description: Historical approach to Tolstoy's depictions of major societal and ethical issues (e.g., war, peace, marriage, death, religion, relationships). Culture of salons, print culture, censorship, and changing political climate. Central questions on the relationship of fiction and history: uses of fiction for understanding history and dangers of such an approach. Readings include selected fiction of Tolstoy, excerpts from journals and letters, and critical and historical accounts of nineteenth-century Russia.

RUSSIAN327S - Chekhov
Subject: RUSSIAN
Catalog Number: 327S
Title: Chekhov
Description: Drama and prose works. Taught in English. Not open to students who have taken Theater Studies 157S/Russian 174S (Chekhov).

RUSSIAN328S - Bunin: Mystery of the Russian Soul and Metaphysical Memory
Subject: RUSSIAN
Catalog Number: 328S
Title: Bunin: Mystery of the Russian Soul and Metaphysical Memory
RUSSIAN331 - Demons, Rebels, Madmen, Fools: Non-Conformists in Russian Literature, Culture, and Film

Subject: RUSSIAN
Catalog Number: 331
Title: Demons, Rebels, Madmen, Fools: Non-Conformists in Russian Literature, Culture, and Film

Description: Examines the Russian anti-hero as literary figure, social critic, religious seeker, and revolutionary. The non-conformist hero performs an ethical role in culture, speaking truth to power and suffering the consequences. The tension between hero and society produces one of the world's great literary traditions, and offers a framework for understanding Russia's lurid history. Subjects include the scetic monk, holy fool, anarchist, political revolutionary, Gulag prisoner, drunkard, murderer, punk poet, vampire, and demon. The course will discuss folk tales, hagiographies, stories, poems, songs, films, and multimedia. Authors will include Avvakum, Pushkin, Dostoevsky, Tolstoy, Leskov, Chekhov, Shukshin, Erofeev, Pelevin, Tolstaya, Pussy Riot, and Tarkovsky.

RUSSIAN340S - Reading Chekhov in Russian

Subject: RUSSIAN
Catalog Number: 340S
Title: Reading Chekhov in Russian

Description: Close engagement with Chekhov's stories, plays, and letters in the original. Work with Russian scholarship and scholarly format. Discussions and written assignments in Russian, including short essays and performances. Can be taken together with 327S ('Chekhov,' taught in English), or independently. Open to students at the 300 level of language proficiency.

RUSSIAN350 - Eastern Europe in Transition: Markets, Media, and the Mafia

Subject: RUSSIAN
Catalog Number: 350
Title: Eastern Europe in Transition: Markets, Media, and the Mafia


RUSSIAN351S - Directing Chekhov

Subject: RUSSIAN
Catalog Number: 351S
Title: Directing Chekhov

Description: Seminar in directing with emphasis on directing actors, demonstration and laboratory exercises, text analysis, and rehearsal techniques. Examination of rehearsal working methods, development of performance choices, exploration of material and process with emphasis on the plays of Chekhov. Explores visual and conceptual material of directing, and problems of working in performance. Includes a video project—students videotape their directing work and accomplish post-production—edit and production of a digital video file. Projects evaluated on basis of composition, visual interest, and narrative force. Pre-req: THEATRST 145S and consent of instructor.
RUSSIAN352 - End of Russian Socialism: History of Perestroika

**Subject**  
RUSSIAN

**Catalog Number**  
352

**Title**  
End of Russian Socialism: History of Perestroika

**Description**  
History of the fall of the Soviet Union as interplay between Russia’s economic legacy, a sequence of economic and political decisions undertaken by Gorbachev’s government in the 1980s, and international forces that influenced Russia’s decision to reform; includes exploration of principles and aspirations that informed Soviet socialist economy in theory and practice; traces the restructuring of Soviet economic system into its present-day capitalism a la Russe.

RUSSIAN356 - The Russian Empire

**Subject**  
RUSSIAN

**Catalog Number**  
356

**Title**  
The Russian Empire

**Description**  
Russian imperial history from Peter the Great to Bolshevik Revolution: 1700-1917. Focus on formation and governance of multiethnic and multiconfessional Russian empire. Traces expansion of land-locked city state (Muscovy) into world power ruling from Eastern Europe to Alaska. Questions implications of Russia’s world-power status. Examines institutions of governance that created this empire and held its various ethnic, religious and ideological groups together for centuries. Readings of English translations of works of Russian literature and historiographic analyses aimed at developing a sound grounding in Russian imperial history and culture.

RUSSIAN362 - Languages of the World

**Subject**  
RUSSIAN

**Catalog Number**  
362

**Title**  
Languages of the World

**Description**  
The major languages of the world viewed in the context of the communicative and significate functions of language as parameters that shape and define society. The role of language in defining and structuring culturally-based relationships from a semiotic point of view. The structure, writing systems, phonology, morphology, and lexicon of languages from the following groups: Indo-European, Semitic, Turkic, Finno-Ugric, Caucasian, Afroasiatic, Sino-Tibetan, Niger-Kordofanian, Dravidian, and Native American languages.

RUSSIAN363 - Theory and Practice of Translation

**Subject**  
RUSSIAN

**Catalog Number**  
363

**Title**  
Theory and Practice of Translation

**Description**  
Detailed study of the American, European and Slavic scholarly literature on translation combined with close analysis of existing literary and journalistic translations and a program of practical translation projects from English to Russian and Russian to English.

RUSSIAN364 - Gender and Language

**Subject**  
RUSSIAN

**Catalog Number**  
364

**Title**  
Gender and Language

**Description**  
Theoretical approaches to the question of the interrelationship of gender and language including neurobiology, psychology, semiotics, feminist critical theory, philosophy of language, discourse analysis, and linguistic theory. Taught in English.

RUSSIAN370S - Islam in Asia

**Subject**  
RUSSIAN

**Catalog Number**  
370S

**Title**  
Islam in Asia

**Description**  
Focus on the northern tier of Muslim-inhabited lands. The early spread of Islam among continental Asia’s non-Arab peoples. The evolution of Muslim religious and cultural institutions under Mongol, Central Asian, Russian and Chinese empires. Asian Muslim encounters with European modernity and experience of Muslims under and after Soviet/Chinese socialist regimes.
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<tr>
<th>Subject</th>
<th>Catalog Number</th>
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<tbody>
<tr>
<td>RUSSIAN</td>
<td>371S</td>
<td>RUSSIAN Fiction and Film</td>
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<tr>
<td><strong>Description</strong></td>
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<tr>
<td>Russia's turbulent history recounted through its literature and film. Short works by Russia's most famous authors (Dostoevsky, Tolstoy, Chekhov) as well as the writings of lesser-known, but equally important writers (Teffi, Vladimov); comparison of these written works with films made of the stories. Exploration of the main trends of Russian culture through its literature and film; focus on the differences between film and written narratives.</td>
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<tbody>
<tr>
<td>RUSSIAN</td>
<td>373S</td>
<td>RUSSIAN Language and Culture through Film</td>
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<tr>
<td><strong>Description</strong></td>
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<tr>
<td>Study of Russian cultural paradigms and constructs of self and other as demonstrated in Russia and Soviet films, primarily from 1960s to the present. Special attention given to the analysis of linguistic constructs and their cultural semantic content as well as comparative analyses of Soviet and Russian culture and Russian and European/American culture. Film and computer technology, as well as access to these technologies and their implementation, are a central part of the cultural context. Prerequisite: Russian 301S or equivalent, or consent of instructor.</td>
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<tbody>
<tr>
<td>RUSSIAN</td>
<td>374S</td>
<td>RUSSIAN Language and Culture through Film II</td>
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<tr>
<td><strong>Description</strong></td>
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<tr>
<td>Continuation of Russian 373S. Analysis of Russian cultural paradigms and linguistic issues through contemporary Russian and Soviet film. Film and computer technology, as well as access to these technologies and their implementation, are a central part of the cultural context. Prerequisite: Russian 301S or equivalent, or consent of instructor.</td>
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<tbody>
<tr>
<td>RUSSIAN</td>
<td>383</td>
<td>The Actress: Celebrity and the Woman</td>
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<tr>
<td><strong>Description</strong></td>
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<tr>
<td>Explores through fiction, film, autobiographies, and biographies the significance and influence of the actress (on stage and screen) from eighteenth century to present day. Highlighted topics: actress's self-image and perception of her art; relationship between her public profession and private life; how she reflects/sets contemporary standards for beauty and lifestyle; how she provokes public debate over women's 'appropriate' sexual, familial, professional, and public roles; her function as symbol/role model for her gender, race, nation. Includes Sarah Bernhardt's memoirs, Chekhov's The Seagull, Susan Sontag's In America, films All About Eve and Mommie Dearest. Taught in English.</td>
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<tr>
<td>RUSSIAN</td>
<td>386</td>
<td>The Power of Pushkin: Russia, USSR, and Beyond</td>
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<td><strong>Description</strong></td>
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<tr>
<td>This course, taught in English and with readings in translation, explores the literary works of Alexander Pushkin as well as Pushkin's elevated place in the culture(s) of pre-revolutionary Russia, the Soviet Union, and post-Soviet Russia. We will also study Pushkin's connection to Africa and to African American writers of the early twentieth century.</td>
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<tr>
<td>RUSSIAN</td>
<td>390</td>
<td>Special Topics in Russian Culture</td>
</tr>
<tr>
<td><strong>Description</strong></td>
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<tr>
<td>Special topics in Russian culture. Topics vary each semester.</td>
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</table>
RUSSIAN399 - Global Russia

Subject: RUSSIAN
Catalog Number: 399
Title: Global Russia

Description: This course will examine the process of globalization of Russian culture and institutions as manifested in political, economic, and legal institutions; religion; education; popular and academic cultural forms, including media and artistic texts, film, theatre and television; diplomacy; reproductive rights; health care; the role of censorship; views of citizenship, patriotism, and sport. We will evaluate the ethical issues, potential shift of cultural values, and their impact on 21st century Russian institutions.

RUSSIAN399A - Global Russia

Subject: RUSSIAN
Catalog Number: 399A
Title: Global Russia

Description: Globalization of Russian culture as manifested in popular/academic cultural forms, including political ideologies, media/artistic texts, film, theater/television, markets, educational/legal institutions, historical/contemporary social movements. Examination of ethical issues in context of such topics as the relationship between church and state; evolution of a totalitarian government into a democratic state; reproductive rights; struggle against corruption in education, finance, police; role of censorship; views of citizenship, patriotism, valor, and treason; historical perspectives on prison camps, abuses of psychiatry. Offered in the Duke in Russia Program. Instructor consent required.

RUSSIAN401 - Advanced Russian

Subject: RUSSIAN
Catalog Number: 401
Title: Advanced Russian

Description: Intensive exposure to Russian word formation with an emphasis on the students’ refinement of oral and written language skills. Development of discourse strategies and writing style through textual analysis, compositions and essays. Taught in Russian. Prerequisite: Russian 302S or consent of instructor.

RUSSIAN401A - Advanced Russian

Subject: RUSSIAN
Catalog Number: 401A
Title: Advanced Russian

Description: Intensive exposure to Russian word formation with an emphasis on the students’ refinement of oral and written language skills. Development of discourse strategies and writing style through textual analysis, compositions and essays. Taught in Russian. Prerequisite: Russian 302S or consent of instructor.

RUSSIAN402 - Advanced Russian: Readings, Translation, and Syntax

Subject: RUSSIAN
Catalog Number: 402
Title: Advanced Russian: Readings, Translation, and Syntax

Description: Intensive reading and conversation with emphasis on the analysis of twentieth century Russian literary and culture texts. Russian media, including television and films. Prerequisite: Russian 401 or consent of instructor.

RUSSIAN402A - Advanced Russian: Readings, Translation, and Syntax

Subject: RUSSIAN
Catalog Number: 402A
Title: Advanced Russian: Readings, Translation, and Syntax

Description: Intensive reading and conversation with emphasis on the analysis of twentieth century Russian literary and culture texts. Russian media, including television and films. Prerequisite: Russian 401 or consent of instructor.
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<tr>
<td>RUSSIAN</td>
<td>407</td>
<td>Soviet and Post-Soviet Economic History</td>
<td>This course traces economic factors leading to the downfall of the Russian Empire and the rise of the USSR, followed by an assessment of the collapse of the USSR. Particular attention is devoted to the NEP period, earlier Soviet economic models, the famine of the 1930s, the impact of WWII, industrialization and urbanization, Soviet planning, and declining productivity growth and life expectancy in the 1970s and 1980s. The course then explores the economic consequences of the USSR's collapse as well as the nature of recovery in various countries that followed. The course concludes with an overview of formal political economy models. Prerequisite: Economics 201D and (Economics 208D or 204D, either of which can be taken concurrently).</td>
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<tr>
<td>RUSSIAN</td>
<td>407D</td>
<td>Soviet and Post-Soviet Economic History</td>
<td>This course traces economic factors leading to the downfall of the Russian Empire and the rise of the USSR, followed by an assessment of the collapse of the USSR. Particular attention is devoted to the NEP period, earlier Soviet economic models, the famine of the 1930s, the impact of WWII, industrialization and urbanization, Soviet planning, and declining productivity growth and life expectancy in the 1970s and 1980s. The course then explores the economic consequences of the USSR's collapse as well as the nature of recovery in various countries that followed. The course concludes with an overview of formal political economy models. Prerequisite: Economics 201D and (Economics 208D or 204D, either of which can be taken concurrently).</td>
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<tr>
<td>RUSSIAN</td>
<td>410</td>
<td>Leadership in International Relations</td>
<td>Course analyzes the impact political leaders have on international relations by examining case studies of specific decisions dealing with events of international importance over the past 3 decades, including end of the Cold War; the Falklands War; the unification of Germany; the Gulf War; the Soviet Union collapse; restoring Russian power, the decision to invade Iraq. Considers styles of leadership by American and Russian presidents and provides a basis for comparing the styles of other leaders analyzed. Considers such questions as similarities/differences in qualities of leadership in different societies, extent to which leaders are victims of circumstance, and degree to which decisions can change things.</td>
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<tr>
<td>RUSSIAN</td>
<td>415</td>
<td>U.S-Russia Relations: 1991-2016</td>
<td>A survey of relations of United States with Russian Federation since break-up of the Soviet Union. Examines government policies, agreements and disagreements in foreign policy, internal political and economic developments in both countries, and also public opinion, cultural relations, and role of mass media. Lectures, readings (including source documents), and final research paper.</td>
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</table>
RUSSIAN433S - Soviet Life through the Camera's Lens

**Subject**
RUSSIAN

**Catalog Number**
433S

**Title**
Soviet Life through the Camera's Lens

**Description**
An in-depth look at images and representations of Soviet life through Soviet and Russian film. Film texts include films shown in theatres, television films and forbidden films/films with a very limited distribution. Emphasis on the period from the mid-1970s through 1991. Course taught in Russian. Prerequisite: Russian 301S or equivalent or consent of instructor.

RUSSIAN438AS - Neuroscience and Multilingualism

**Subject**
RUSSIAN

**Catalog Number**
438AS

**Title**
Neuroscience and Multilingualism

**Description**
In-depth analysis of PET, fMRI, MEG, EEG/ERP studies of multilingualism and their implications for linguistic theory. A close examination of the neuroanatomical and neurophysiological aspects of imaging studies and the importance of neurofunctional explanations play a central role in building new theoretical paradigms of acquisition, maintenance and loss of languages. Offered through Duke in Russia program. Instructor consent required.

RUSSIAN439S - Neuroscience and Multilingualism

**Subject**
RUSSIAN

**Catalog Number**
439S

**Title**
Neuroscience and Multilingualism

**Description**
In-depth analysis of PET, fMRI, MEG, EEG/ERP studies of multilingualism and their implications for linguistic theory. A close examination of the neuroanatomical and neurophysiological aspects of imaging studies and the importance of neurofunctional explanations play a central role in building new theoretical paradigms of acquisition, maintenance and loss of languages.

RUSSIAN481 - Living, Dying, Healing in Russia

**Subject**
RUSSIAN

**Catalog Number**
481

**Title**
Living, Dying, Healing in Russia

**Description**
Explores ways historical, cultural, political forces shape major moments of the life course and the stories told to make sense of them. Team taught by a professor of literature and a professor of anthropology, focus is on family life, sexuality, childbearing and its prevention; biomedical health care and alternative healing; survival in gulag (concentration camp) conditions; care for the dead and dying and their families. By examining compelling works from a range of genres—short story, ethnographic case study, memoir, and novel—students will learn analytical techniques from both fields, and hone interpretive and writing skills. Knowledge of Russian is not required.

RUSSIAN490 - Special Topics in Russian and American Culture

**Subject**
RUSSIAN

**Catalog Number**
490

**Title**
Special Topics in Russian and American Culture

**Description**
Addresses the broad, interdisciplinary issue of identity and otherness while studying specifically what happens when the cultures of Russia and the United States come into contact. Taught in English.

RUSSIAN490S - Special Topics in Russian and American Culture

**Subject**
RUSSIAN

**Catalog Number**
490S

**Title**
Special Topics in Russian and American Culture

**Description**
Seminar version of Russian 490.
**RUSSIAN493 - Research Independent Study**

**Subject**: RUSSIAN  
**Catalog Number**: 493  
**Title**: Research Independent Study  

**Description**: Individual research in a field of special interest under the supervision of a faculty member, the central goal of which is a substantive paper or written report containing significant analysis and interpretation of a previously approved topic. Consent of instructor and director of undergraduate studies required.

**RUSSIAN493A - Research Independent Study in Russia**

**Subject**: RUSSIAN  
**Catalog Number**: 493A  
**Title**: Research Independent Study in Russia  

**Description**: Individual research in a field of special interest under the supervision of a faculty member, the central goal of which is a substantive paper or written report containing significant analysis and interpretation of a previously approved topic. Instructor consent required.

**RUSSIAN494 - Research Independent Study**

**Subject**: RUSSIAN  
**Catalog Number**: 494  
**Title**: Research Independent Study  

**Description**: See Russian 493. Consent of instructor and director of undergraduate studies required.

**RUSSIAN494A - Research Independent Study in Russia**

**Subject**: RUSSIAN  
**Catalog Number**: 494A  
**Title**: Research Independent Study in Russia  

**Description**: Individual research in a field of special interest under the supervision of a faculty member, the central goal of which is a substantive paper or written report containing significant analysis and interpretation of a previously approved topic. Instructor consent required.

**RUSSIAN89S - First-Year Seminar**

**Subject**: RUSSIAN  
**Catalog Number**: 89S  
**Title**: First-Year Seminar  

**Description**: Topics vary each semester offered but are restricted to the study of literature, linguistics, and culture in the Slavic world.

**SANSKRIT101 - Introductory Sanskrit Language and Literature**

**Subject**: SANSKRIT  
**Catalog Number**: 101  
**Title**: Introductory Sanskrit Language and Literature  

**Description**: Introduces classical, literary Sanskrit, the ancient and trans-continental language of India's intellectual heritage, history, and sacred scriptures. Teaches students Devanagari script, to learn and analyze grammatical forms and structures, vocabulary, and to interpret meaning. Provides an overview to the literature and civilizational importance of Sanskrit, from the ancient past to the present.
### SANSKRIT102 - Intermediate Sanskrit Grammar and Readings

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<tr>
<td>SANSKRIT</td>
<td>102</td>
<td>Intermediate Sanskrit Grammar and Readings</td>
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**Description**  
Continuation of Sanskrit 101/Religion 107, as prerequisite. Further learning of grammatical forms and structures of the higher language. Introduction of elementary readings from literature and scriptures.

### SANSKRIT203 - Selected Sanskrit Readings

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<tr>
<td>SANSKRIT</td>
<td>203</td>
<td>Selected Sanskrit Readings</td>
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**Description**  
This is a reading course building on a prior knowledge of Sanskrit grammar to introduce the skills needed for reading the varieties of different kinds of texts found in Sanskrit literature including basic scriptural texts in the aphoristic 'sutra' style, more expanded Epic or lyric styles of narrative and devotional poetry, and the various protocols to be mastered for reading scholastic commentaries. The course has as a prerequisite a basic and overall knowledge of Sanskrit grammar.

### SANSKRIT391 - Independent Study

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<tr>
<td>SANSKRIT</td>
<td>391</td>
<td>Independent Study</td>
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**Description**  
Individual study of language for conducting research involving sources written or spoken in the language. Students have to submit a proposal describing the purported research, types of sources to be analyzed, and kinds of language knowledge or skills they need to be equipped with. Consent of instructor and director of undergraduate studies required.

### SCISOC112FS - Medical Ethics, Aging, and End of Life Care in the US

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<tr>
<td>SCISOC</td>
<td>112FS</td>
<td>Medical Ethics, Aging, and End of Life Care in the US</td>
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</table>

**Description**  
Study of medical ethics, policy, clinical, and personal issues in working with dying and bereaved people. Focuses on diverse populations in ethnicity, culture, socioeconomic status, education, sexual orientation, and more. Various models for providing care to the dying and bereaved. Visits from medical personnel. Works to be read/viewed may include 'Me, Earl, and the Dying Girl,' Charon's 'Narrative Medicine,' Gawande's 'Being Mortal,' Tolstoy's 'Death of Ivan Ilich,' Kalanithi's 'When Breath Becomes Air,' and policy articles on end of life care and physician assisted suicide. Focus Program students only. Service-Learning course. Instructor consent required.
SCISOC118 - Science and the Modern World: Introduction to the History of Science

Subject: SCISOC  
Catalog Number: 118  
Title: Science and the Modern World: Introduction to the History of Science

Description:
This course surveys the history of science from the sixteenth century through the present day. It addresses science not just as a body of knowledge and methods but as a cultural activity that has shaped and been shaped by modern global history. Topics will range across physical sciences, life sciences, earth and environmental sciences, and social sciences. This course takes a global perspective, with emphasis on parallels, differences, and interconnections among ways of knowing nature in different places and times, as well as the role of specific materials, environments, technologies, and practical problems in the development of modern science.

SCISOC138FS - Genomics of Host-Microbe Interactions: The Symbiotic Web

Subject: SCISOC  
Catalog Number: 138FS  
Title: Genomics of Host-Microbe Interactions: The Symbiotic Web

Description:
Genomic insights into the astonishingly diverse microbial world, including microbes that interact with hosts in beneficial and harmful ways. Dominance of microbes in our own bodies, which contain 10 times more bacterial cells than human cells and 150 times more bacterial genes than human genes. Understanding how microbial interactions have impacted life's history, genome evolution, ecology, and human health. Factors that dictate trajectories toward parasitism versus mutualism, how microbial symbionts respond to environmental change, molecular and cellular mechanisms of homeostasis. Readings will focus on primary articles. Open only to students in the Focus Program.

SCISOC140FS - On Suffering: How Science and Stories Shape Us

Subject: SCISOC  
Catalog Number: 140FS  
Title: On Suffering: How Science and Stories Shape Us

Description:
By studying written and oral storytelling (including news articles, research reports, case histories, speeches, etc.), this course explores arguments for, and critiques of, appealing to stories in the face of suffering—personal and environmental—and starts articulating theological and ethical implications of 'being an engaged witness in the world.' We will listen to historical and contemporary voices that have shaped our views of the world, explore characteristics of pseudoscientific movements that make us squirm, and dig into the apparent and real differences between scientific, experiential, and theological reasoning. Open only to students in the Focus Program. Department consent required.

SCISOC148FS - Evolution, ecology, and genomics of symbiotic interactions

Subject: SCISOC  
Catalog Number: 148FS  
Title: Evolution, ecology, and genomics of symbiotic interactions

Description:
Symbiotic interactions are the norm rather than the exception in the natural world, yet species are usually seen and studied independently from each other. Here we explore the symbiotic connectivity among microbes and their hosts, ranging from parasitism to mutualism, by addressing questions at the junction of evolutionary biology, ecology, and genomics. Multidisciplinary research on microbiome model systems often translate to major medical advancements. One main goal of this course is for students to experience how scientists do, and think about, research. Readings will focus on primary research articles.
SCISOC153FS - Drugs and the Law

Subject: SCISOC  
Catalog Number: 153FS  
Title: Drugs and the Law

Description:
Exploration of the relationship between addictive drugs and the law. Examine mechanisms by which drugs of abuse affect the brain and decision-making on the individual level, and consequences of those effects on the societal level; then examine how society responds to these behaviors in terms of attitudes and laws. Compare perspectives of the criminal justice system with that of drug users. Class consists of lectures, discussions, guest speakers, and media presentations and a project examining cross-generational views of drug use, abuse, and laws. Open only to students in the Focus Program. Instructor consent required.

SCISOC165 - Introduction to the United States Health Care System

Subject: SCISOC  
Catalog Number: 165  
Title: Introduction to the United States Health Care System

Description:
Overview of key health policy issues in the United States. Topics include: (1) sources of morbidity and mortality; (2) access to health care; (3) financing of health care including an overview of how health insurance works, Medicare and Medicaid and why there are uninsured persons and to what effect; (4) health care quality; (5) end-of-life issues and care in advanced stage illness; (6) the role of non-profit versus for-profit ownership of health care facilities and to what effect; (8) long term care and care-giving issues; and (9) the impact of social phenomenon such as income inequality, social class and culture on health care.

SCISOC165FS - Cryptography and Society

Subject: SCISOC  
Catalog Number: 165FS  
Title: Cryptography and Society

Description:
Introduction to topics in mathematical cryptography, and the role of cryptography within society, in both historic and modern contexts. Cryptographic systems studied will include: early historical ciphers; the Enigma machines of WWII; modern public channel cryptography. Students will learn: to encode/decode using each system; to quantify the complexity, strength, and weaknesses of each system; to use elementary techniques from combinatorics, graph theory, abstract algebra, and number theory; about the role cryptography plays in human society. Open only to students in the Focus Program. Department consent required.

SCISOC189FS - To Boldly Go! Global Health and the American Way of Engagement

Subject: SCISOC  
Catalog Number: 189FS  
Title: To Boldly Go! Global Health and the American Way of Engagement

Description:
Course examines assumptions and language of Global Health in the US and ethical challenges of cross-cultural engagement. Title comes from Roddenberry's Star Trek (1966); course uses the series to think about technology, exploration, and encounter. We will use texts that examine how culture and power in the US have framed interactions with and control of people inside the US and in other countries, from people carrying contagious disease to women whose bodies represent a threat to a proposed social order. Students will analyze historical documents and images from popular culture and write close analyses identifying the underlying ethical and cultural frameworks in these documents.
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<tr>
<th>Subject</th>
<th>Catalog Number</th>
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<tbody>
<tr>
<td>SCISOC</td>
<td>190FS</td>
<td>Special Topics in Science and Society</td>
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<td></td>
<td></td>
<td>Description</td>
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<td></td>
<td>Special Topics for Focus Cluster Opportunities in Science and Society</td>
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<th>Subject</th>
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<tr>
<td>SCISOC</td>
<td>195FS</td>
<td>Medical Instrumentation in the Developing World (GE)</td>
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<td>Description</td>
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<td>Medical devices have revolutionized healthcare in the developed world. Yet, this technology revolution has failed to reach the developing world. Compared to the estimated 1.5 million medical devices introduced in the developed world in the last 50 years, only a few dozen pieces of medical equipment have been specifically designed to be appropriate and affordable for resource poor settings. We will examine and discuss the factors that make the research, design &amp; development, introduction &amp; marketing, maintenance and use of medical devices in resource poor settings uniquely challenging conditions. Focus students only.</td>
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<th>Subject</th>
<th>Catalog Number</th>
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<tbody>
<tr>
<td>SCISOC</td>
<td>196FS</td>
<td>Patient and Research Participant Activism and Advocacy</td>
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<td>Description</td>
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<td>In the 1960s, patients appropriated the language and tactics of the civil rights movement to advance clinical and research agendas. Today patient activism is evolving, leading to new solutions, dilemmas, and organizational structures. This course will examine patient and research participant activism and the ways it challenges conventional notions of expertise, amateurism, ‘human subjects protections,’ and minimization of risk. Students will bring the tools of journalism, anthropology, humanities scholarship, public policy and community engagement/citizen science to bear on ethical and policy questions. Open only to students in the Science &amp; the Public Focus Program cluster. Department consent required.</td>
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<tbody>
<tr>
<td>SCISOC</td>
<td>197FS</td>
<td>From Siri to Skynet: Our Complex Relationships with Technology</td>
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<td>Description</td>
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<td>From mobile phones to driverless cars, modern high-tech devices have human-facing elements that shape our relationships with technology. Some integrate seamlessly into our daily lives, others frustrate us, and some simply captivate us. Students will investigate the intersection between people and technology to better understand how design can influence performance, safety, and user satisfaction. Topics include design principles; user experience concepts; and an overview of human strengths and limitations influencing interactions with technology. Case studies will include various technologies, including emerging systems such as brain-computer interfaces, robotics and artificial intelligence. Open only to students in Focus program. Department consent required.</td>
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</table>
### SCISOC198FS - Performing Science: Experimentation, Collaboration, and Artistry

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<tbody>
<tr>
<td>SCISOC</td>
<td>198FS</td>
<td>Performing Science: Experimentation, Collaboration, and Artistry</td>
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</table>

**Description**

Combines a historical survey of science-themed plays with an examination of sci+arts initiatives such as the University of Western Australia’s Symbiotica; the Art & Science Laboratory in New Mexico; and the UK’s Centre for Performance Science. Central course questions: How can performing arts improve public awareness and knowledge about complex scientific ideas and research? What points of view and methods of research do artists bring to scientific inquiry and vice-versa? We will pay particular attention to secondary schools, contemporary art installations, and science museums as public laboratories for experimental, embodied collaborations across the two disciplines. Open only to students in the Focus Program. Department consent required.

### SCISOC199FS - Imagining American Health

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<tbody>
<tr>
<td>SCISOC</td>
<td>199FS</td>
<td>Imagining American Health</td>
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</table>

**Description**

How has landmark public policy changed the health landscape in the United States and influenced the way we think and talk about health as a social fact? How has cultural expression both registered these changes and sought to influence law and policy? What debates have played out in public discourse regarding policies that impact health and how can attention to language and narrative literacy help us to understand both the potential and the limits of policy work? This course will explore these interactions between policies that impact health in its social context and cultural expression, focusing on photography, literature, and film.

### SCISOC201 - Science, Media, & Perception: How Media Affects Our View of Science

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<th>Subject</th>
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<tr>
<td>SCISOC</td>
<td>201</td>
<td>Science, Media, &amp; Perception: How Media Affects Our View of Science</td>
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</tbody>
</table>

**Description**

Examination of how media affects people’s perception of science. Explore how people consume scientific content and develop their perception, linked to the ‘gap’ between science and the public, and how we make our choices and beliefs; discuss different forms of science communication and media, the effects of media manipulation, and how these impact society; analyze current coverage of breaking scientific topics and public perception; and evaluate the effects these have on people’s perception of science, value judgements, and decision making. Ultimately leading to the development and proposal of guidelines to reduce issues we see regarding media coverage of science.

### SCISOC210S - Stigma, Mental Illness and Ethnicity: From News Media and Pop Culture to Policy and Back

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<th>Subject</th>
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<th>Title</th>
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<tbody>
<tr>
<td>SCISOC</td>
<td>210S</td>
<td>Stigma, Mental Illness and Ethnicity: From News Media and Pop Culture to Policy and Back</td>
</tr>
</tbody>
</table>

**Description**

Stigma associated with mental illness, ethnicity and/or race affects individuals, families, communities and societies. This course offers cultural perspectives on how stigma associated with ethnicity, race and mental illness impacts and is impacted by media and pop culture. The course is designed for undergraduate students interested in understanding the complexity and social implications of stigma through analysis of media and pop culture. Assignments include short essays and podcast production.
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<tbody>
<tr>
<td>SCISOC212FS</td>
<td>212FS</td>
<td>Law, Ethics &amp; Responsibility</td>
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</table>

**Description**
Examines the intersection of law and neuroscience, including the use of neuroimaging to determine if a witness is telling the truth; the implications of neuroscience for determining the mental competency of defendants, the insanity defense, the imposition of punishment on defendants. Considers the extent to which recent advances in brain science cause us to reevaluate fundamental legal concepts of 'intent,' 'insanity,' and responsibility; the ways in which neuroscience may be applied to these and related issues; and the inherent limitations and incongruities of applying brain science to legal questions.

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<tr>
<td>SCISOC226S</td>
<td>226S</td>
<td>Politics of Pandemics</td>
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</table>

**Description**
Exploration of social, cultural, historical, and political facets of epidemic disease and widespread health crises. Key concepts of medical anthropological research and writing; reading ethnographic texts alongside journalistic, literary, and policy accounts of disease experiences and institutional responses. Assess scope, scale, and genre associated with representing pandemics. Analyze global case studies of both infectious and chronic diseases.

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<th>Catalog Number</th>
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<tr>
<td>SCISOC235</td>
<td>235</td>
<td>Risk</td>
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**Description**
Simply put, risk is 'the possibility of something bad happening.' Defined in this way, increased attentiveness to risk has the potential to be paralyzing because it is present in nearly every aspect of human existence. This course, organized by the Duke Center on Risk, capitalizes on this ubiquity by bringing together ideas and approaches from all corners of the university. A unifying perspective is the recognition that risk involves elements of both chance ('possibility') and value ('something bad'). Therefore, students will learn the languages of probability and economics within the cultural settings of public policy, law, engineering, business, and medicine.

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<tr>
<td>SCISOC242S</td>
<td>242S</td>
<td>Bodies at Work</td>
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</table>

**Description**
This course traces the dynamic relationship between bodies and economies over the course of American history. If disability has been defined as the inability to work, then an exploration of disability necessitates an exploration of capitalism. Moving between disability studies and labor history, students will develop the conceptual tools necessary to understand capitalism through the lens of disability, while also generating new ways to think about disability via critical histories of capitalism. We will also look at how disabled people have pushed back, envisioning new ways of valuing bodies beyond productivity.

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<tr>
<td>SCISOC256</td>
<td>256</td>
<td>Science and Society</td>
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**Description**
Core Course for relevant Certificate Track. See Class notes for details.

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<tr>
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<th>Title</th>
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<tr>
<td>SCISOC258D</td>
<td>258D</td>
<td>Race, Genomics, and Society</td>
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</table>

**Description**
The field of genetics has been at the forefront of discourse concerning the concept of 'race' in humans. This course explores human origins, human variation, human identity, and human health through a broad range of enduring and emerging themes and challenging questions related to race and genetics (and now, genomics) on a global scale. Students will acquire knowledge and skills required for integrative analyses of the relevant scientific, ethical, legal, societal, cultural, and psychosocial issues. Open to students at all levels from any discipline in the arts, humanities, and sciences (natural, social, formal, and applied).
### SCISOC260 - Magic, Religion, and Science since 1400

**Subject** | **Catalog Number** | **Title** | **Description**  
---|---|---|---  
SCISOC | 260 | Magic, Religion, and Science since 1400 | The history of magic and witchcraft in western culture from the Renaissance to the present, with particular attention to the relationship of supernatural beliefs to religion and science. The renewal of magic, astrology, and alchemy in the Renaissance; early modern witch beliefs and the witch hunt; national skepticism in the Enlightenment; modern marginal sciences such as parapsychology; and adaptations of magical beliefs to modern culture in the nineteenth and twentieth centuries.  

### SCISOC272S - Sexuality and the Law

**Subject** | **Catalog Number** | **Title** | **Description**  
---|---|---|---  
SCISOC | 272S | Sexuality and the Law | This course will introduce students to legal and ethical issues at the intersection of law, gender and sexuality. The course will use interpretive methods used in jurisprudence, as well as conceptual tools developed by feminist, critical race and queer theoreticians to explore such issues as the criminalization of gay sex, the equal protection of all persons regardless of their sexual orientation or gender identity, and the role of the state in resolving perceived conflicts between that right to equal protection and the right to religious freedom. The course will take a cross-cultural/ multi-jurisdictional comparative approach to these issues.  

### SCISOC290 - Topics in Science & Society

**Subject** | **Catalog Number** | **Title** | **Description**  
---|---|---|---  
SCISOC | 290 | Topics in Science & Society | Topics in science and society. Topics may vary.  

### SCISOC290S - Special Topics in Genome Sciences

**Subject** | **Catalog Number** | **Title** | **Description**  
---|---|---|---  
SCISOC | 290S | Special Topics in Genome Sciences | Topics in genome sciences and policy.  

### SCISOC293 - Research Independent Study in Science & Society

**Subject** | **Catalog Number** | **Title** | **Description**  
---|---|---|---  
SCISOC | 293 | Research Independent Study in Science & Society | Individual research in a Science & Society topic of special interest, under the supervision of a faculty member, the major product of which is a substantive paper or written report containing specific analysis and interpretation of a previously approved topic. Meets the research experience requirement for the Certificate in Science & Society as well as a Research (R) mode of inquiry curriculum requirement. Open to all qualified students with consent of supervising instructor and Director of SS Certificate. May be repeated.  

### SCISOC293-1 - Research Independent Study in Science & Society

**Subject** | **Catalog Number** | **Title** | **Description**  
---|---|---|---  
SCISOC | 293-1 | Research Independent Study in Science & Society | Individual research in a Science & Society topic of special interest, under the supervision of a faculty member, the major product of which is a substantive paper or written report containing specific analysis and interpretation of a previously approved topic. Meets the research experience requirement for the Certificate in Science & Society as well as a Research (R) mode of inquiry curriculum requirement. Open to all qualified students with consent of supervising instructor and Director of Science & Society Certificate.
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<tr>
<td>SCISOC</td>
<td>294-1</td>
<td>Research Independent Study in Science &amp; Society</td>
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<tr>
<td>SCISOC</td>
<td>299L</td>
<td>Introduction to Landscape Archaeology and Cultural Landscapes</td>
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<tr>
<td>SCISOC</td>
<td>302</td>
<td>Global Narratives of Illness and Disability</td>
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<tr>
<td>SCISOC</td>
<td>303</td>
<td>Rise of Modern Science: Newton to Einstein</td>
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**SCISOC294-1 - Research Independent Study in Science & Society**

**Description**
Individual research in a Science & Society topic of special interest, under the supervision of a faculty member, the major product of which is a substantive paper or written report containing specific analysis and interpretation of a previously approved topic. Meets the research experience requirement for the Certificate in Science & Society as well as a Research (R) mode of inquiry curriculum requirement. Open to all qualified students with consent of supervising instructor. May be repeated.

**SCISOC299L - Introduction to Landscape Archaeology and Cultural Landscapes**

**Description**
From hunter-gatherer to post-modern network societies, human, animal and plant life and evolution depend on the complex relations and affordances of landscape and environment. Climate change, geomorphology, natural resources, land use, and human settlements are complex and inter-related phenomena that invite multidisciplinary study with different technologies and methodologies. Comparative research on paleo-environments, ancient landscapes, and societies are crucial for understanding the future of landscape and environment.

**SCISOC302 - Global Narratives of Illness and Disability**

**Description**
The humanities help us learn more about the global experiences of people living with illness and disability. Using a global health humanities approach, we study illness and disability through biography, poetry, blogs, and art created by patients, families, friends, doctors, and caregivers. We look beyond data to find meaning through documentaries, theories of representation, and illness narratives. We explore different illness experiences, such as HIV/AIDS and Ebola; different disabilities, such as physical and cognitive; different gender identities and ages; and different locations, such as South Africa, West Africa, Papua New Guinea, Brazil, Haiti, and rural and urban USA.

**SCISOC303 - Rise of Modern Science: Newton to Einstein**

**Description**
See History 302.
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<th>Subject</th>
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<tr>
<td>SCISOC</td>
<td>341</td>
<td>SCISOC341 - Ethics of Global Infectious</td>
<td>Examination of the role of ethical decision-making when controlling infectious disease epidemics. Applies classic public health ethics of balancing individual liberty vs. public good to the new global health context of emerging infectious diseases such as HIV/AIDS, Ebola, and SARS, plus re-emerging infectious diseases such as multidrug-resistant TB, polio, and cholera. Explores questions of resource allocation, mandatory or voluntary prevention measures, and ethical obligations of health care workers vs. responsibilities of individuals in the context of new global public health. Prior global health coursework recommended.</td>
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<td>Disease Control</td>
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<td>SCISOC360S - The Environment in Literature, Law, and Science</td>
<td>Description This class explores changing concepts of 'environment' and 'nature' in lit, law &amp; policy, &amp; science. Using the Duke Campus Farm, the campus, &amp; surrounding areas, we trace those changes across historical periods and cultures, culminating in a consideration of the dismantling of Black Durham (red lining, 147) &amp; the emergence of the Environmental Justice Movement (in Warren County, NC). We explore how those concepts are constructed through science, law &amp; policy, &amp; cultural forms, how those concepts shape our lived experience, &amp; how an understanding of that process might lead to more productive debates in science, law &amp; policy, &amp; ethics, and to constructive social and environmental change.</td>
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<td>SCISOC369 - History of Public Health in America</td>
<td>Description The role of epidemic diseases such as smallpox, cholera, yellow fever, tuberculosis, and polio in shaping public health policy in the United States from the colonial era to World War II.</td>
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<td>SCISOC371 - Feast and Famine: Food in Global History</td>
<td>Description Surveys history of food in global history, beginning with paleolithic and ending with modern era. Focuses on food quality and quantity as a factor in determining health, including problems of global health disparities, food insecurity, and obesity. Topics include the impact of food exchanges across continents and cultures, discovery of vitamins and vitamin deficiencies, growth and impact of food industries, and the rise of diseases of plenty, such as type 2 diabetes.</td>
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<td>SCISOC380S - The Scientific Revolution</td>
<td>Description Study emergence of modern physical sciences as leading means for understanding the natural world; read primary documents from Copernicus, Kepler, Galileo, Descartes, Boyle, Hooke and Newton; learn how past science shaped the modern world; learn how history of science enables understanding of 21st-century science.</td>
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<td>SCISOC386S - Science Fiction Film</td>
<td>Description This class will study science fiction film from 1950 to the present. Discussions will be organized around the relationship between scientific and technological innovation and social and geopolitical transformation: how, for example, the threats of nuclear war and the exhaustion of environmental resources, discoveries in virology and genetics, and the innovations in cybernetics and artificial intelligence all intersect with decolonization and global development, race relations, and new social and geopolitical configurations. We will explore how science fiction film registers and responds to the uncertainties of a changing world: to changing conceptions of the human and of life.</td>
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SCISOC390 - Advanced Topics in Science & Society

Subject: SCISOC  
Catalog Number: 390  
Title: Advanced Topics in Science & Society

Description: Topics vary each semester.

SCISOC390-1 - Lectures on Special Topics in Science & Society

Subject: SCISOC  
Catalog Number: 390-1  
Title: Lectures on Special Topics in Science & Society

Description: The course will look to explore how the topics of bioethics and technology are integrated into our everyday life. The course will aim to bring in experts from different fields to discuss how these areas affect society as a whole. Additionally, students will play a role in leading class discussions by presenting information to the class, and bringing in others to speak.

SCISOC390A - Special Topics in Science and Society

Subject: SCISOC  
Catalog Number: 390A  
Title: Special Topics in Science and Society

Description: Special Topics Class used for Study Away Programs.

SCISOC390S - Special Topics in Science & Society

Subject: SCISOC  
Catalog Number: 390S  
Title: Special Topics in Science & Society

Description: Topics will vary.

SCISOC417S - Genetic Engineering and Biotechnology

Subject: SCISOC  
Catalog Number: 417S  
Title: Genetic Engineering and Biotechnology

Description: Applications of recombinant DNA in medicine and in agriculture. Topics include diagnosis of genetic diseases, gene therapy, drugs for AIDS and cancer, DNA fingerprinting, cloning of mammals, phytoremediation, crop improvement, and pharmaceutical protein production in transgenic plants and animals. Social and environmental impacts of biotechnology. Recommended prerequisite: Biology 201L, 203L, or 220, or lab experience or consent of instructor.

SCISOC439S - Neuroscience and Multilingualism

Subject: SCISOC  
Catalog Number: 439S  
Title: Neuroscience and Multilingualism

Description: In-depth analysis of PET, fMRI, MEG, EEG/ERP studies of multilingualism and their implications for linguistic theory. A close examination of the neuroanatomical and neurophysiological aspects of imaging studies and the importance of neurofunctional explanations play a central role in building new theoretical paradigms of acquisition, maintenance and loss of languages.
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<tr>
<td>SCISOC</td>
<td>490</td>
<td>SCISOC490 - Special Topics in Genome Sciences</td>
<td>Topics in genome sciences and policy.</td>
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<tr>
<td>SCISOC</td>
<td>498S</td>
<td>SCISOC498S - Science &amp; Society Capstone</td>
<td>Create and apply knowledge gained through certificate course work and research experiences in an intensive, interdisciplinary, small group setting. Students work in small teams learning to analyze current issues in science and society and to consider the issue from scientific, social, and ethical perspectives, often for the benefit of a real-world client. Teams will present their research as an oral and/or written final project. Open only to graduating seniors in the Science and Society program or by consent of instructor.</td>
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<tr>
<td>SCISOC</td>
<td>89S</td>
<td>SCISOC89S - First Year Seminar Topics in Science and Society</td>
<td>First Year Seminar Topics in Science and Society</td>
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<tr>
<td>SES</td>
<td>190A</td>
<td>SES190A - Duke Administered Study Abroad: Special Topics in Slavic and Eurasian Studies</td>
<td>Topics vary each semester.</td>
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<tr>
<td>SES</td>
<td>215FS</td>
<td>SES215FS - The Politics of Language</td>
<td>Examines the political role of language in societies as diverse as China, India, the former Soviet Union, the UK and the US. Looks at how state and non-state actors influence citizens’ language practices, and their beliefs about language. Drawing on political theory, sociology and sociolinguistics, we look at how language policies reflect and produce sociopolitical realities. Topics covered include migration, citizenship, nationalism and decolonization. Open to students in the Focus Program only.</td>
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<tr>
<td>SES</td>
<td>237</td>
<td>SES237 - Russia in the World: From Cold War to Putin's Wars</td>
<td>Traces evolution of Russian Federation foreign policy from the collapse of the Soviet Union at the beginning of the 1990s to the 2022 war in Ukraine. Examines elements of Russian grand strategy: military, economic (especially oil and gas), and diplomatic tools. Explores the role of one individual, President Vladimir Putin, in shaping policy in an increasingly autocratic state. Focuses on Russia’s relations with its neighbors, former allies, Europe, and the wider world, including the United States. Identifies linkages between domestic politics and events and foreign policy. Assignments focus on translating historical knowledge into actionable policy advice to meet current challenges.</td>
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SES240S - Around the Bloc: Cold War Culture in the USSR and Eastern Europe

Subject: SES  
Catalog Number: 240S  
Title: Around the Bloc: Cold War Culture in the USSR and Eastern Europe  

Description: Drawing on oral and written history, memoirs, film, fiction, and essays in anthropology and sociology, we’ll resist the black/white readings imposed by the Iron Curtain and explore the dreams, fears, ethical concerns, cultural trends, and lifestyles of Cold War baby boomers in the USSR, Poland, Czechoslovakia, and Romania. Highlighted topics include: the privileges and discontents of postwar youth, the atomic age and its mutations, adventures in socialist consumer culture, gender politics and real life, making art about the socialist state of the absurd. All texts in English translation, films screened with English subtitles.

SES267S - Global Cold War

Subject: SES  
Catalog Number: 267S  
Title: Global Cold War  

Description: Traditional narratives of the Cold War focus on a bi-polar series of conflicts that pit the United States against the Soviet Union in a good-versus-evil battle for global political and military supremacy. This course destabilizes this account of a process that affected every continent on earth – and even reached into space – over the period of more than half a century. It explores the Cold War from East-West, North-South, global, and interstellar perspectives. In addition to political and military issues, the course will also discuss the Cold War in social, cultural, intellectual, and economic spheres.

SES270 - Spies Like Us: Screening Cold War Espionage

Subject: SES  
Catalog Number: 270  
Title: Spies Like Us: Screening Cold War Espionage  

Description: When the Cold War erupted in the wake of World War II, filmmakers were poised to screen it as propaganda, entertainment (thriller, horror, science fiction), and morally reflective realism. This course explores the films/television series produced on both sides of the Iron Curtain as well as those made after the Cold War (post-1989). Discussion will focus on ethical justifications and critiques of espionage; the characterizations of the spy and those spied on, and the interactions between these protagonists; and the changing aesthetics of screening espionage.

SES279FS - Turkey: Muslim and Modern

Subject: SES  
Catalog Number: 279FS  
Title: Turkey: Muslim and Modern  

Description: Turkish history from the 18th century to the present. Turkey as strategic ally of the US; candidate for membership in European Union; first Muslim country to adopt democracy, secularism, and Westernization, and as political, cultural, and economic model for other Muslim countries. Focus on Turkish people’s encounter with modernity as Muslims; questions about contradictions and promises of Muslim and modern experience; informed consideration of Islam’s encounter with the West. No prerequisites. No knowledge of Turkish required.

SES279S - Turkey: Muslim and Modern

Subject: SES  
Catalog Number: 279S  
Title: Turkey: Muslim and Modern  

Description: Turkish history from the 18th century to the present. Turkey as strategic ally of the US; candidate for membership in European Union; first Muslim country to adopt democracy, secularism, and Westernization, and as political, cultural, and economic model for other Muslim countries. Focus on Turkish people’s encounter with modernity as Muslims; questions about contradictions and promises of Muslim and modern experience; informed consideration of Islam’s encounter with the West. No prerequisites. No knowledge of Turkish required.

SES287 - The Turks: From Ottoman Empire to European Union

Subject: SES  
Catalog Number: 287  
Title: The Turks: From Ottoman Empire to European Union  

Description: Readings in cultural history and literature to examine transformations in Turkish identity from the Ottoman era to EU accession. Discussion of the ‘gazi thesis’, the ‘sultanate of women’, religious tolerance (millets), conversion, modernity and nationalism. Secondary topics include Sufism, Islam, gender, and historiography. Interdisciplinary focus. Taught in English.
<table>
<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>SES</td>
<td>288S</td>
<td>SES288S - Trauma and Nostalgia: East European Film in the 21st Century</td>
</tr>
<tr>
<td>SES</td>
<td>290</td>
<td>SES290 - Special Topics in Slavic and Eurasian Studies</td>
</tr>
<tr>
<td>SES</td>
<td>290A</td>
<td>SES290A - Special Topics in Slavic and Eurasian Studies</td>
</tr>
<tr>
<td>SES</td>
<td>290A-1</td>
<td>SES290A-1 - Duke-Administered Study Abroad: Special Topics in Turkish Studies</td>
</tr>
<tr>
<td>SES</td>
<td>290S</td>
<td>SES290S - Special Topics in Slavic and Eurasian Studies</td>
</tr>
<tr>
<td>SES</td>
<td>356</td>
<td>SES356 - The Russian Empire</td>
</tr>
</tbody>
</table>

**SES288S - Trauma and Nostalgia: East European Film in the 21st Century**

**Description**
Examines the major thematic focus of East European filmmakers in the 21st century: their efforts to reconstruct and reassess the experience of the Cold War (1945-1989) and the Yugoslav wars (1991-1995). These films from the Czech Republic, Hungary, Poland, Romania, Croatia, and Serbia include ironic/sentimental tales of Cold War childhood, thrillers about sleeping with the enemy (political informers), and psychological dramas centering on political trauma, resistance, and compromise. All films shown with English subtitles.

**SES290 - Special Topics in Slavic and Eurasian Studies**

**Description**
Subject varies from semester to semester.

**SES290A - Special Topics in Slavic and Eurasian Studies**

**Description**
Subject varies from semester to semester.

**SES290A-1 - Duke-Administered Study Abroad: Special Topics in Turkish Studies**

**Description**
Special Topics in Turkish Studies. Topics vary by course or section. Consent of department required.

**SES290S - Special Topics in Slavic and Eurasian Studies**

**Description**
Subject varies from semester to semester.

**SES356 - The Russian Empire**

**Description**
Russian imperial history from Peter the Great to Bolshevik Revolution: 1700-1917. Focus on formation and governance of multiethnic and multiconfessional Russian empire. Traces expansion of land-locked city state (Muscovy) into world power ruling from Eastern Europe to Alaska. Questions implications of Russia’s world-power status. Examines institutions of governance that created this empire and held its various ethnic, religious and ideological groups together for centuries. Readings of English translations of works of Russian literature and historiographic analyses aimed at developing a sound grounding in Russian imperial history and culture.
SES370S - Islam in Asia

**Description**
Focus on the northern tier of Muslim-inhabited lands. The early spread of Islam among continental Asia's non-Arab peoples. The evolution of Muslim religious and cultural institutions under Mongol, Central Asian, Russian and Chinese empires. Asian Muslim encounters with European modernity and experience of Muslims under and after Soviet/Chinese socialist regimes.

SES373S - Between Moscow, Beijing and Delhi: Narratives of Europe and Asia

**Description**
Exercise in reconstructing Eurasian history from the 13th century Mongol invasions to post-Soviet era through critical reading of eyewitness accounts—travel notes and memoirs. Reflects on political, religious, and cultural evolution, expansion, and rivalry as well as cross-cultural and trans-regional exchange.

SES375S - Social Engineering and Social Movements in Eastern Europe and Asia

**Description**
Combining perspectives of political sociology and history, this course questions the respective roles of state policies and social movements in transforming societies. Explores concepts such as social engineering, violence, revolution, totalitarianism, social movements, non-violent resistance, collective action and many others in historically-informed case studies of: colonialism/anticolonial movements (passive resistance and nationalism) in India; revolutionary communism, socialist reconstruction of society, everyday resistance and collective dissent in the Soviet Bloc; authoritarian capitalism and dissent in the form of environmentalist and anti-corruption movements in post-Maoist China.

SES385 - Language and Society

**Description**
Course examines language as a social practice, focusing on different aspects of its role in social life. Topics addressed include: language and social identity, such as ethnicity, social class, age, and gender; variation in language, including dialects, accents, and registers; multilingualism and language contact; new languages such as pidgins and creoles; language, culture, and intercultural communication; language and ideology; language in education and in the media. Through the discussion of these topics and homework including reading and small research projects, students are introduced to key concepts, theories, and methods in sociolinguistics and linguistic anthropology.
SES388S - Illiberal Nondemocracies: Focus on Eastern Europe and Asia

Subject: SES  
Catalog Number: 388S  
Title: Illiberal Nondemocracies: Focus on Eastern Europe and Asia  

Description:
As of 2016, only 11% of the countries in the world are liberal democracies. Some insight about how illiberal regimes function is a must to understand what is going on in the world. In this course, we explore illiberal and/or nondemocratic regimes of Eastern Europe and Asia—a perfect laboratory for the subject. We develop nuanced ideas about key concepts such as elections, representation, party rule, dictatorship, populism, patronalism, authoritarianism, and totalitarianism as well as the dilemmas of freedom, security, corruption, and development. We study the regimes of countries such as Hungary, Russia, Turkey, China and follow the news to see how political regimes evolve in real time.

SES396S - Language in Immigrant America

Subject: SES  
Catalog Number: 396S  
Title: Language in Immigrant America  

Description:
Discussion of issues of language in the context of immigration in the United States, from the turn of the 20th century until the present, combining approaches from literature, memoirs, language policy, media studies, and linguistic anthropology. Some fieldwork in an immigrant community. Topics include: identity, assimilation, race, bilingual communities, bilingual education, foreign accents, language contact.

SES420S - Capstone Seminar: Russia-USSR-Russia: History of Communism

Subject: SES  
Catalog Number: 420S  
Title: Capstone Seminar: Russia-USSR-Russia: History of Communism  

Description:
The seminar offers an in-depth engagement with Russian modern history. Starting in the late 19th century, the seminar examines the formation of Russian Communist movement and communist regime as national and transnational phenomena of the 20th Century. A comparative perceptive allows students to analyze Russian appropriations of Marxist theory, the Russian Revolution, the making of the Stalinist state, de-Stalinization of the post-World War II period in the context of European and US labor movements and socialist experimentations, on the one hand, and anti-Communist sentiments and Cold War politics, on the other, while engaging with ethical issues raised by conflicting perspectives on the value and meaning of freedom and happiness and the means of achieving it.

SES423S - City Stories, Eastern Europe: Prague, Warsaw, Budapest, Sarajevo

Subject: SES  
Catalog Number: 423S  
Title: City Stories, Eastern Europe: Prague, Warsaw, Budapest, Sarajevo  

Description:
Explores the multicultural histories, landmarks, and architectural styles of these four major European capitals. Drawing on paintings, photos, films, histories, memoirs, and fiction, we’ll trace the aesthetic, religious, and political imprints of overlapping empires—Hapsburg, Russian, Ottoman, and Soviet—on these fascinating cities; consider how their urban communities accommodated influential religious minorities (Jews, Muslims, Christians); and study the roles they played in their respective nations. All readings in English translation and films screened with English subtitles.
### SES433S - Soviet Life through the Camera’s Lens

**Subject**: SES  
**Catalog Number**: 433S  
**Title**: Soviet Life through the Camera’s Lens  

**Description**: An in-depth look at images and representations of Soviet life through Soviet and Russian film. Film texts include films shown in theatres, television films, and forbidden films/films with a very limited distribution. Emphasis on the period from the mid-1970s through 1991. Course taught in Russian. Prerequisite: Russian 301S or equivalent or consent of instructor.

### SES468S - Capstone Seminar: Literature & Terrorism

**Subject**: SES  
**Catalog Number**: 468S  
**Title**: Capstone Seminar: Literature & Terrorism  

**Description**: Explores the manner in which terrorism has been depicted in literature. Emphasis on novels written primarily by Russian writers in the 19th and early 20th centuries when that country experienced waves of political violence unmatched elsewhere in the Western world and writers sought to grapple with the meaning of the violence in vivid and imaginative ways. Readings include: 'The Secret Agent' by Joseph Conrad, 'The Devils' by Fedor Dostoevsky, 'Mother' by Maxim Gorky, and 'Petersburg' by Andrei Belyi.

### SES484S - Language and Politics: Global Perspectives

**Subject**: SES  
**Catalog Number**: 484S  
**Title**: Language and Politics: Global Perspectives  

**Description**: We will never speak a single language, or agree on the best way to organize society and politics for the good life. How do macro-politics affect the language(s) we choose to speak? What public policy initiatives can be deployed so that language is an accessible resource for all? Are there such things as language rights, and how can they be distributed and defended? These questions are not just academic, but essential to understanding the world(s) that we inhabit. This course takes a global and historical approach to the politics of language, examining the relationships between language, society, and the state.

### SES490 - Special Topics in Slavic and Eurasian Studies

**Subject**: SES  
**Catalog Number**: 490  
**Title**: Special Topics in Slavic and Eurasian Studies  

**Description**: Subject varies from semester to semester.

### SES490S - Special Topics in Slavic and Eurasian Studies

**Subject**: SES  
**Catalog Number**: 490S  
**Title**: Special Topics in Slavic and Eurasian Studies  

**Description**: Subject varies every semester.

### SES491 - Independent Study

**Subject**: SES  
**Catalog Number**: 491  
**Title**: Independent Study  

**Description**: Individual research in a field of special interest under the supervision of a faculty member, the central goal of which is a substantive paper or written report containing significant analysis and interpretation of a previously approved topic. Instructor consent required.
**SOCIOL110 - Sociological Inquiry**

**Subject**
SOCIO

**Catalog Number**
110

**Title**
Sociological Inquiry

**Description**
Introduction to social networks, groups, organizations and institutions with a focus on the contemporary US. The impact of technology on social interaction and cultural change. Investigation of cultural and social construction of individual characteristics (e.g., race, gender) as well as of scientific and professional standards. Ethical controversies surrounding health care, education, income inequality, and related topics. Course will help prepare students for the social and behavioral science portion of the MCAT exam.

**SOCIOL125FS - Languages, Margins, Borders: Representations, Practices, and Policies**

**Subject**
SOCIO

**Catalog Number**
125FS

**Title**
Languages, Margins, Borders: Representations, Practices, and Policies

**Description**
Examines the relationships between language and contemporary migration patterns that, directly or indirectly, affect millions of people across the globe, focusing especially on migration flows related to humanitarian challenges. Divided into three key themes, it analyzes the representation of migrants and migration in media and culture; language practices of migrants, including translanguaging and language learning; and policies towards migrants and their languages that pertain to governance in linguistically diverse societies. Interdisciplinary in approach, readings are drawn from linguistic anthropology and sociolinguistics, as well as political sociology and public policy studies.

**SOCIOL140FS - On Suffering: How Science and Stories Shape Us**

**Subject**
SOCIO

**Catalog Number**
140FS

**Title**
On Suffering: How Science and Stories Shape Us

**Description**
By studying written and oral storytelling (including news articles, research reports, case histories, speeches, etc.), this course explores arguments for, and critiques of, appealing to stories in the face of suffering—personal and environmental—and starts articulating theological and ethical implications of 'being an engaged witness in the world.' We will listen to historical and contemporary voices that have shaped our views of the world, explore characteristics of pseudoscientific movements that make us squirm, and dig into the apparent and real differences between scientific, experiential, and theological reasoning. Open only to students in the Focus Program. Department consent required.

**SOCIOL148S - Empires in Modern European History**

**Subject**
SOCIO

**Catalog Number**
148S

**Title**
Empires in Modern European History

**Description**
An introduction to political theories of imperialism and a comparative historical analysis of several European empires. Explores questions of nationalism, race, religious pluralism, state formation, globalization, and international governance. Readings drawn from history, sociology, anthropology, and political science.
<table>
<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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<tbody>
<tr>
<td>SOCIOL</td>
<td>151S</td>
<td>Sports and Society</td>
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<tr>
<td></td>
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<td>Description: This course will examine the giant role that</td>
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<td>sports play in the modern world. It will explore the</td>
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<td>history of sports in the U.S. and worldwide, and the</td>
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<td>role of forces like race, gender, mythmaking, economics,</td>
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<td></td>
<td></td>
<td>and fan cultures in a variation of games from soccer to</td>
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<tr>
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<td>basketball and football.</td>
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<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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<tbody>
<tr>
<td>SOCIOL</td>
<td>160</td>
<td>Advertising and Society: Global Perspective (DS4)</td>
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<tr>
<td></td>
<td></td>
<td>Description: History and development of commercial</td>
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<tr>
<td></td>
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<td>advertising; advertising as a reflector and/or creator of</td>
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<td>social and cultural values; advertisements as cultural</td>
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<td></td>
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<td>myths; effects on children, women, and ethnic minorities;</td>
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<td>advertising and language; relation to political and</td>
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<td>economic structure; and advertising and world culture.</td>
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<td></td>
<td></td>
<td>Emphasis on American society complemented by case studies</td>
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<td></td>
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<td>of advertising in Canada, Japan, Mexico, Russia, Western</td>
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<td>Europe, and selected other countries.</td>
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<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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<tbody>
<tr>
<td>SOCIOL</td>
<td>160D</td>
<td>Advertising and Society: Global Perspective (DS4)</td>
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<tr>
<td></td>
<td></td>
<td>Description: Same as Cultural Anthropology 170 except</td>
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<tr>
<td></td>
<td></td>
<td>instruction is provided in lecture and discussion group</td>
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<td></td>
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<td>each week.</td>
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<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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<tbody>
<tr>
<td>SOCIOL</td>
<td>167S</td>
<td>Gateway Seminar: Nationalism: Ideology, Technology,</td>
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<td></td>
<td></td>
<td>Globalization</td>
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<td></td>
<td>Description: What is a nation? What is a nation state? Is</td>
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<td>the nation state still a useful unit of government today?</td>
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<td></td>
<td>The goal of this seminar is to teach you theoretical and</td>
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<td>methodological tools and historical examples to critically</td>
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<td></td>
<td>think about nationalism in globalization. Readings include</td>
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<td>primary sources, classic theories on nationalism, fresh</td>
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<td></td>
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<td>arguments from sociology and anthropology. The historical</td>
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<td>and contemporary case studies include American, Middle</td>
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<td></td>
<td></td>
<td>Eastern, South Asian, and European examples.</td>
</tr>
</tbody>
</table>
**SOCIOL171 - Business Anthropology: Anthropologists in the Workplace**

*Subject*  
SOCIOL

*Catalog Number*  
171

*Title*  
Business Anthropology: Anthropologists in the Workplace

*Description*
Introduces students to the various applications of anthropological theory and ethnographic method in contemporary institutional settings with the aim of familiarizing students with alternative career opportunities. The course looks at corporate and other private and public-sector use cases as well as the extensive literatures in the fields of organizational management, user, and consumer experience. Students also engage professionals in order to better understand processes of research, hypothesis testing, analysis, and the formulation of organizational management, design, and other strategic solutions for clients.

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**SOCIOL172 - The Anthropology of Design and User Experience (UX) Research**

*Subject*  
SOCIOL

*Catalog Number*  
172

*Title*  
The Anthropology of Design and User Experience (UX) Research

*Description*
The field of design and the burgeoning field of User Experience (UX) research has recently applied the methods anthropologists have used for over a century. The methods of cultural anthropology are distinctly aligned to ask questions about motivations, beliefs, values, and relationships within cultural systems through direct participant observation, surveys, focus groups, and archival research. Privileging critical listening, empathy, and perspective-taking, we try to discern why people do what they do, and apply these questions to human-centered design.

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**SOCIOL173S - The Ways and Wisdom of First-Gen College Students**

*Subject*  
SOCIOL

*Catalog Number*  
173S

*Title*  
The Ways and Wisdom of First-Gen College Students

*Description*
This course examines the experience of first-generation college students, including their unique challenges, strategies, observations, and analyses. It is intended equally for students of all backgrounds and will, through the ethnographic method, train students in empathetic listening and participant-observation, as well as socially contextualized and cross-culturally comparative analysis.

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**SOCIOL176FS - Identity, Action, and Emotion**

*Subject*  
SOCIOL

*Catalog Number*  
176FS

*Title*  
Identity, Action, and Emotion

*Description*
Uses mathematical models to describe how people import cultural meanings into social interactions. Explains how people maintain identities in role relationships and group interactions. Explores a theory of how people perform normal institutional roles, respond to odd situations, and try to feel good about themselves. Uses computer simulations to model self, identity and emotional processes. Involves reading academic literature, collecting evidence, giving research presentations, and writing a research proposal. Teaches how to think scientifically about routine and unexpected parts of everyday life.
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<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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<tbody>
<tr>
<td>SOCIOL178FS</td>
<td>178FS</td>
<td>Refugees, Rights, and Resettlement</td>
</tr>
<tr>
<td>Description</td>
<td></td>
<td>35 million refugees and internally displaced persons in the world. A comparative historical overview of international refugee policy and law dealing with this growing population. Students will grapple with the ethical challenges posed by humanitarian intervention on behalf of refugees and the often unintended consequences of such policies. Students examine case studies to determine how different models for dealing with refugee resettlement affect the life chances of refugees. Service-learning course. Students will work with refugees from Bhutan, Burma and Iraq recently resettled in Durham. Instructor consent required.</td>
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<tbody>
<tr>
<td>SOCIOL179FS</td>
<td>179FS</td>
<td>Visualizing Society</td>
</tr>
<tr>
<td>Description</td>
<td></td>
<td>This class will teach you how to use modern, widely-used tools to create insightful, beautiful, reproducible visualizations of social science data. We will also put the theory and practice of visualization into context throughout the semester. By that I mean that we will think about different ways of looking at social science data, about where data comes from in the first place, and the implications of choosing to represent it in different ways. Open only to students in the Focus Program. Department consent required.</td>
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<tr>
<td>SOCIOL180S</td>
<td>180S</td>
<td>Society, the Self, and the Natural World</td>
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<tr>
<td>Description</td>
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<td>Exploration of changing and/or contrasting perceptions, studying how our perceptions are conditioned by the times we live in and reigning assumptions of our societies. Three course components taught by faculty in each discipline including: exploration of perceptions of the self through the arts, the changing role of women in society; and examination of science and society conflicts. Open only to Baldwin Scholars. Consent of instructor required.</td>
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<tr>
<th>Subject</th>
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<tbody>
<tr>
<td>SOCIOL190FS</td>
<td>190FS</td>
<td>Topics in Focus Program</td>
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<tr>
<td>Description</td>
<td></td>
<td>Open only to students in the Focus Program. Current list of courses available in the Focus program brochure and online.</td>
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<th>Subject</th>
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<tr>
<td>SOCIOL190S-1</td>
<td>190S-1</td>
<td>Seminar in Special Topics</td>
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<tr>
<td>Description</td>
<td></td>
<td>Half-credit version of Sociology 190S.</td>
</tr>
</tbody>
</table>
SOCIOL195 - Critical Approaches to Global Issues

Subject: SOCIOL  
Catalog Number: 195  
Title: Critical Approaches to Global Issues

Description
Introduction to critical transnational studies through several disciplinary approaches. Examines capitalism and neo-liberal globalization and their relationships to culture, politics, economics, and other social forms and outcomes; considers transnationalism 'from below'; addresses linear and Western-centric thinking about progress and modernity, focuses a historical lens on political discourses, institutions, and projects to understand them contextually; demonstrates how cultures and identities are dynamically constituted in interaction with historical, material, political, and situational factors; considers how different inequalities and contestations inflect most social formations.

SOCIOL196FS - Patient and Research Participant Activism and Advocacy

Subject: SOCIOL  
Catalog Number: 196FS  
Title: Patient and Research Participant Activism and Advocacy

Description
In the 1960s, patients appropriated the language and tactics of the civil rights movement to advance clinical and research agendas. Today patient activism is evolving, leading to new solutions, dilemmas, and organizational structures. This course will examine patient and research participant activism and the ways it challenges conventional notions of expertise, amateurism, 'human subjects protections,' and minimization of risk. Students will bring the tools of journalism, anthropology, humanities scholarship, public policy and community engagement/citizen science to bear on ethical and policy questions. Open only to students in the Science & the Public Focus Program cluster. Department consent required.

SOCIOL197FS - Freedom and the Market

Subject: SOCIOL  
Catalog Number: 197FS  
Title: Freedom and the Market

Description
Introduces students to three ethically distinct perspectives on the market using approaches in political philosophy from the right, left and center; explores the works of political theorists and economists such as Robert Nozick, Milton Friedman, John Maynard Keynes, Frederick Hayes and Amartya Sen; examines the ethical stances that these authors take; explores contemporary media to see how the former thinkers have influenced current debate; examines examples of when the free market fails and discuss if, when and how government should respond; investigates how culture influences the market and how globalization has either enhanced or reduced individual freedom. Open only to Focus Program students.

SOCIOL202 - Race, Power, and Identity: From Ali to Kaepernick

Subject: SOCIOL  
Catalog Number: 202  
Title: Race, Power, and Identity: From Ali to Kaepernick

Description
Exploration of historic and contemporary psycho-social and socio-cultural aspects of the African American sport experience. Examination of research that addresses the effect of physical differences, racial stereotyping, identity development, gender issues, and social influences on African American sport participation patterns. Analysis of sport as a microcosm of society with an emphasis on examining associated educational and societal issues.
<table>
<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>SOCIOL</td>
<td>208S</td>
<td>Transnational Feminism</td>
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<tr>
<td>SOCIOL</td>
<td>210</td>
<td>Contemporary Social Problems</td>
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<tr>
<td>SOCIOL</td>
<td>211</td>
<td>Social Inequality</td>
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<tr>
<td>SOCIOL</td>
<td>215</td>
<td>Sociology of Racism in America</td>
</tr>
</tbody>
</table>

### SOCIOL208S - Transnational Feminism

**Description**
Explore feminist projects and approaches that cross a variety of borders. Under what conditions is solidarity across difference and inequality possible? This seminar examines this and other questions using relevant theories, film, and scholarship. Topics include activism, human rights, development, capitalism, war/militarization, racism, embodiment, and health. Assigned readings and films largely focus on the Global South but situate the Global North within circuits and relationships. The professor guides each student in preparing an original research paper on a relevant topic of interest to the student.

### SOCIOL210 - Contemporary Social Problems

**Description**
Comparative analysis of social problems across historical periods, nations, and social groups by gender, race/ethnicity, social class, and culture. Major topics: deviant behavior, social conflict and inequality, human progress and social change. Emphasis on research issues, especially how and to what degree the understanding of social problems is a direct result of the inductive processes used to define social problems and the research methods and procedures used to investigate them.

### SOCIOL211 - Social Inequality

**Description**
The nature, forms, and socioeconomic bases of inequality. Age, gender, race, ethnicity, class, region, and family as dimensions of inequality. Variations in the structure of inequality over time and across nations. How educational institutions, economic development, work institutions, and state welfare programs affect the shape of inequality. Social inequality and social mobility.

### SOCIOL215 - Sociology of Racism in America

**Description**
Examines social history of major racial groups in the US and relationships to contemporary standing. Discusses central concepts sociologists use to analyze racial matters. Central theme: 'racism' is not mere 'prejudice,' 'ignorance,' or 'intolerance,' but a comprehensive historical system of racial domination organized around the logic of white supremacy. Discussion of 'whiteness' in the USA—how whiteness emerged as a social category, an identity based on experiences of variety of European 'peoples,' how it dominated the racial structure of the US since the 17th century, how wealth has been distributed along racial lines, racialization of Asians and Latinos, and color blind racism.
<table>
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</thead>
<tbody>
<tr>
<td>SOCIOL</td>
<td>217S</td>
<td>Introduction to Digital Feminism</td>
<td>The aim of this course is to critically analyze digital culture from a feminist and gender studies perspective. We will address topics related to digital innovation and its history, unpacking and questioning them through the insights offered by genders studies analytical tools. Subjects such as the rise of the Silicon Valley, gaming culture, social media, algorithms, Artificial Intelligence, extraction of data applied to biotechnology, macroeconomic development of IT platforms and the impact of technology on ecology will be discussed starting from a current event or debate, to which we will give a historical, ethical, sociological, theoretical, literary or cinematographic perspective.</td>
</tr>
<tr>
<td>SOCIOL</td>
<td>219</td>
<td>Juvenile Delinquency</td>
<td>The concept and measurement of delinquency and status offending; trends and patterns in the delinquency rate. Theoretical models used to explain the onset of delinquent behavior; environmental and individual correlates of delinquency such as gender, race, and social class; influence of families, delinquent subcultures, gangs, schools, and drugs; history of juvenile justice and the philosophy and practice of today’s juvenile justice system; legal and ethical issues such as major court decisions on juveniles’ rights, the use of detention, and transfer to adult court; models of sentencing, juvenile incarceration, and community treatment programs and their efficacy.</td>
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<tr>
<td>SOCIOL</td>
<td>220</td>
<td>Causes of Crime</td>
<td>The field of criminology and its most basic concepts: the definition of crime, the component areas of criminology, the history of criminology, criminological research methods, and the ethical issues that confront the field. The nature, extent, and patterns of crime, including victimization. Evaluation of criminological theories, including: biological, psychological, sociological, and cultural deviance theories; criminal behavior including violent crime, property crime, white-collar and organized crime, public order crimes, sex offenses, and substance abuse; the justice process, including police, courts, and corrections; the policy implications of criminological research.</td>
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<tr>
<td>SOCIOL</td>
<td>222</td>
<td>Inequalities in the US Criminal Justice System</td>
<td>Overview of the inner workings and ethics of the US criminal justice process, including criminal legislation, police procedures, courts, and corrections. Explores case studies, empirical research, film, theories, and policies to understand and evaluate how values, culture, and the distribution of power and resources in the United States shape its punishment regime. Focuses on class, gender, ethnic, racial, nationality, and age inequalities in the justice system.</td>
</tr>
</tbody>
</table>
SOCIOL223 - Data Analytics and Visualization for Business

Subject: SOCIOL
Catalog Number: 223
Title: Data Analytics and Visualization for Business

Description: This course gives students hands-on experience working with and analyzing data. The overarching objective is to learn to use basic statistics and quantitative modeling to understand the large amount of data that are available today.

SOCIOL225 - Intimate Inequalities: The State of American Families

Subject: SOCIOL
Catalog Number: 225
Title: Intimate Inequalities: The State of American Families

Description: Most people grow up in families, but few know much about them. Taken for granted beliefs that marriages should be based on love, that heterosexuality is an obvious identity, and that mothers want to care for their children, are recent inventions. Gender, social class, and racial inequalities within and across families. Course focuses on changes over time in family structures and roles. How families experience and generate inequality.

SOCIOL227 - Leadership and Collaboration

Subject: SOCIOL
Catalog Number: 227
Title: Leadership and Collaboration

Description: Leadership is essential to the success of groups, organizations, and societies. To be effective, leaders must possess a clear understanding of human behavior and social processes. This course is an introduction to the study of leadership from the perspective of the social sciences. We will draw on a range of social science research to address key questions about the process and practice of collaborative leadership and followership. The goal of the course is to not only expose students to the empirical study of leadership and followership but also stimulate them to think critically about human behavior.

SOCIOL228 - Incarceration and Inequality in the United States

Subject: SOCIOL
Catalog Number: 228
Title: Incarceration and Inequality in the United States

Description: Investigates the causes, consequences, experience and potential transformation of US prisons, jails, and detention centers. Stimulates critical thought, discussion, and research on alternative ethical positions on criminal justice policies, such as immigration detention, the war on drugs, prison privatization and mandatory sentencing, which have created and maintain the unequal distribution of mass incarceration. Examines the US carceral state as an institution of stratification that exacerbates social problems it is charged with tackling, prevents social mobility for the most marginalized, and solidifies disadvantages based on age, class, gender, race, ethnicity, sexuality, and citizenship.

SOCIOL230 - Just Laws: Inequalities in the U.S. Legal System

Subject: SOCIOL
Catalog Number: 230
Title: Just Laws: Inequalities in the U.S. Legal System

Description: Introduction to the study of law as a social institution. Investigates how legal rules reflect and shape historical contexts, ethical values, social interactions, economic conditions, and political conflicts. Focuses on how and why laws create and maintain hierarchies of privilege and disadvantage by race, social class, gender, sexuality, nationality, and age. Collaborative research and classroom learning applied to analysis of currently debated legislation. Development of information resources for stakeholders and decision-makers.

SOCIOL230S - Embodied Blackness

Subject: SOCIOL
Catalog Number: 230S
Title: Embodied Blackness

Description: How is race embodied and how are bodies racialized? How do gender, sexuality, class, size, perceived beauty, and ability mutually influence embodiment? This course considers anthropological and historical studies of the body, with a critical focus on Blackness. We investigate how Black human bodies are othered, valued, dehumanized, and experienced, across time and space, with a particular focus on the United States.
**SOCIOL232 - Data Visualization for Social Science**

**Subject**  
SOCIOL  

**Catalog Number**  
232  

**Title**  
Data Visualization for Social Science  

**Description**  
This course introduces modern methods and tools for the visualization of social-scientific data. The course has a theoretical and practical element. We will explore the theory and history of efforts to visualize social data, and society more generally, examining the nature and politics of data generation and consumption, and about the implications of choosing to represent it in different ways. Practically, we will learn how to use R and related tools to produce insightful, beautiful, reproducible data visualizations.

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**SOCIOL237 - Internet, Technology, and Capitalism**

**Subject**  
SOCIOL  

**Catalog Number**  
237  

**Title**  
Internet, Technology, and Capitalism  

**Description**  
This course will explore the role of the internet and new technologies in our society. We will examine the history of the rise of the computer age, and then cover questions that include surveillance and algorithmic targeting; cybercommerce and crypto; AI and robots; social media and celebrity; labor rights and profit-making; and the changing nature of daily life in a wireless world. There will be several guest speakers as well as readings, films, and other content.

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**SOCIOL240 - Love and Loneliness: What's Happening to Relationships in the Twenty-First Century?**

**Subject**  
SOCIOL  

**Catalog Number**  
240  

**Title**  
Love and Loneliness: What's Happening to Relationships in the Twenty-First Century?  

**Description**  
Long-standing ties to other—whether of kinship, marriage, or community—have long been considered to be fundamental to the human condition. But in an age of dissipated and shifting social worlds, the relationships we form with others are radically changing in the twenty-first century. The class will critically examine the ideals, premises, and obstacles for forming intimacy with others through such cases as hook-ups, solitary death, solo weddings, domestic violence, human/non-human attachments, and migrant

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**SOCIOL242S - Bodies at Work**

**Subject**  
SOCIOL  

**Catalog Number**  
242S  

**Title**  
Bodies at Work  

**Description**  
This course traces the dynamic relationship between bodies and economies over the course of American history. If disability has been defined as the inability to work, then an exploration of disability necessitates an exploration of capitalism. Moving between disability studies and labor history, students will develop the conceptual tools necessary to understand capitalism through the lens of disability, while also generating new ways to think about disability via critical histories of capitalism. We will also look at how disabled people have pushed back, envisioning new ways of valuing bodies beyond productivity.
SOCIOL250 - Medical Sociology

Description
Interface between sociology and health-related issues. Analysis of macro, mezzo, and micro perspectives as they apply to health and illness. Examination of the social and cultural context in which health care in the United States is delivered, particularly in terms of racial and age disparities, as well as disparities in rural and urban healthcare settings. Objective and subjective experience of health and illness, political, economic and environmental issues, including engagement with ethical issues around end of life care, physician assisted suicide, health rights versus health privileges. Exposure to these areas takes place theoretically in class, as well as in real-world settings.

SOCIOL252A - From Enlightenment Culture to Popular Culture

Description
Course constructs a sociological history of French (and partially European) culture by routinely using the city of Paris as an example. Analyzes conflicts inherited by contemporary culture in highlighting major moments that have defined it since pre-revolutionary era. Focuses on theoretical issues raised by each period, and the manner in which sociologists and critical theorists addressed them—from opposition of nature and culture just as it plays out for the pre-romantics, to the criticism of mass-culture by post-modern theorists. Sessions will be chronological, and will introduce and cover principle problems of social sciences. Taught in French through the Duke in France Program.

SOCIOL253A - The Return of the Collective (Psychosocial Approach Contemporary Spain) Theatre, Culture, & Identity

Description
The hasty transformation experienced by Spanish society the last 40+ years demands questioning the processes involved in its changing identities. This course delves into the economic, cultural, and linguistic circumstances that shaped the portrait of current Spain. By looking into contemporary theatrical production, we will consider causes, motivations, and consequences of the emergence of new subjectivities linked to the coming of democracy. To reach a better understanding of these new ways of thinking, sentimentalities, and behaviors operating in today's Spain, special attention will be paid to the social conditionings involved in the shaping of identities. Taught at Duke in Madrid.

SOCIOL255 - Sociology of Immigration and Health

Description
An in-depth exploration of how global migration processes impact population health with particular attention to the social determinants of health. Course focuses on different immigrant groups in U.S. as well as refugee and migrant labor populations in other parts of the world, namely Middle East. Descriptive assessments of immigrant health inequalities and analytic examinations of mechanisms that contribute to disparities will be covered. Readings selected from sociological and medical writings. Not open to students who have taken Sociology 361/Global Health 340.
SOCIOL256S - Just Work: Restorative Justice Models and Applications

Subject: SOCIOL
Catalog Number: 256S
Title: Just Work: Restorative Justice Models and Applications

Description:
Rooted in ancient practices from indigenous cultures & religious texts, Restorative Justice (RJ) has gained interest as a means to reform the modern justice system and manage wrongdoing in schools and workplaces. This course takes an interdisciplinary approach to consider RJ as an alternative to typical retributive justice models. Examines RJ theory, RJ diversion programs, & the strengths and limitations of RJ’s application, including Victim-Offender Mediated Dialogues, Community Conflict Councils, and Truth & Reconciliation Commissions. Asks: does RJ offer the paradigm shift our society needs to address the failings in our justice systems in our communities, institutions, & personal lives?

SOCIOL257 - From Madness to Mental Disorders: Sociology of Mental Health

Subject: SOCIOL
Catalog Number: 257
Title: From Madness to Mental Disorders: Sociology of Mental Health

Description:
Investigates mental health processes and policies in historic, cultural, and socioeconomic context. Explains why definitions of and responses to mental illness have changed across time and place. Probes ethical dilemmas created by the medicalization of deviance. Examines how social conditions shape the development and consequences of mental disorders, treatments, and policies. Evaluates alternative theoretical explanations for how mental well-being and mental health services are linked to socioeconomic status, gender, race, ethnicity, citizenship, age, and sexuality. Assesses ability of alternative policies to improve public mental health.

SOCIOL258 - Markets and Marketing

Subject: SOCIOL
Catalog Number: 258
Title: Markets and Marketing

Description:
Markets as systems of social exchange: their organization and development with special reference to the role of technological change in market evolution in various parts of the industrialized world. Sociological analysis of contemporary marketing including cross-national comparisons and the role of internet technologies; researching and preparing a marketing plan. Coverage of marketing includes attention to issues of values and ethics.

SOCIOL259S - Contemporary South Africa

Subject: SOCIOL
Catalog Number: 259S
Title: Contemporary South Africa

Description:
Nelson Mandela’s presidency in 1994 inaugurated democracy in South Africa. Using a historical lens, this course will explore the promises, possibilities, and disappointments of the democratic era. In what ways has the 1994 election slogan “A better life for all” come to pass? Why and in what ways has the new political elite fallen short in delivering on its promises? How have segments of the public sought to impose accountability and restitution on new democratic governments, as well as on the long-standing titans of industry?

SOCIOL263 - Aging and Health

Subject: SOCIOL
Catalog Number: 263
Title: Aging and Health

Description:
Illness and health care utilization among the elderly, comparison to other populations, gender and race differences, medicare and medicaid, individual adjustment to aging and illness, social support for sick elderly, the decision to institutionalize, policy debate over euthanasia.

SOCIOL264 - Death and Dying

Subject: SOCIOL
Catalog Number: 264
Title: Death and Dying

Description:
The biomedical, economic, social, and psychological issues surrounding death and dying in the twenty-first century in America. Religious and cultural perspectives both in the Judeo-Christian ethic and in other religious frameworks. Theories of dying from sociological and social psychological perspectives. Required participation in service-learning.
Duke University

**SOCIOL265 - Drug Use and Abuse: Getting High in the United States**

**Subject**
SOCIOL

**Catalog Number**
265

**Title**
Drug Use and Abuse: Getting High in the United States

**Description**
Explores trends in the use, abuse, and regulation of mind-altering substances in the United States. Topics include: patterns of drug use over time and across social groups; drug market creation and regulation; media promotion and condemnation of drug activities; drug policy legislation and enforcement; medicalization of deviance; rise and fall of drug panics; and critical analysis of the casualties of the current war on drugs.

**SOCIOL267S - Global Cold War**

**Subject**
SOCIOL

**Catalog Number**
267S

**Title**
Global Cold War

**Description**
Traditional narratives of the Cold War focus on a bi-polar series of conflicts that pit the United States against the Soviet Union in a good-versus-evil battle for global political and military supremacy. This course destabilizes this account of a process that affected every continent on earth – and even reached into space – over the period of more than half a century. It explores the Cold War from East-West, North-South, global, and interstellar perspectives. In addition to political and military issues, the course will also discuss the Cold War in social, cultural, intellectual, and economic spheres.

**SOCIOL272S - Sexuality and the Law**

**Subject**
SOCIOL

**Catalog Number**
272S

**Title**
Sexuality and the Law

**Description**
This course will introduce students to legal and ethical issues at the intersection of law, gender and sexuality. The course will use interpretive methods used in jurisprudence, as well as conceptual tools developed by feminist, critical race and queer theoreticians to explore such issues as the criminalization of gay sex, the equal protection of all persons regardless of their sexual orientation or gender identity, and the role of the state in resolving perceived conflicts between that right to equal protection and the right to religious freedom. The course will take a cross-cultural/multi-jurisdictional comparative approach to these issues.

**SOCIOL273S - Gender and Media**

**Subject**
SOCIOL

**Catalog Number**
273S

**Title**
Gender and Media

**Description**
The aim of this course is to critically analyze media culture and communication landscapes from a feminist and gender studies perspective. We will address a wide range of media innovations and their histories, unpacking and critically questioning them through the insights offered by feminist, queer, and intersectional analytical tools. To each, we will examine historical, ethical, sociological, theoretical, literary or film perspectives. What roles do media spaces play in our everyday lives and how do our politics and self-understandings inform and reflect burgeoning platforms? This course will consider these questions in terms of US media cultures and its interconnected global frameworks.

**SOCIOL280T - Applied Sociology Research**

**Subject**
SOCIOL

**Catalog Number**
280T

**Title**
Applied Sociology Research

**Description**
Project-based course in which undergraduate and graduate students work collaboratively to produce a significant public-facing research product drawing on sociological contexts and methods. Topics vary depending on section. Students will gain a conceptual understanding of the project topic, develop research plans, conduct new research, and develop a final product containing significant analysis and interpretation (e.g., exhibits, databases, white papers, data visualizations). Graduate students will mentor undergraduate students and take leadership roles in facilitating projects. Some courses will continue in a two-semester sequence. Instructor consent required.

**SOCIOL281T - Applied Sociology Research**

**Subject**
SOCIOL

**Catalog Number**
281T

**Title**
Applied Sociology Research

**Description**
Project-based course in which undergraduate and graduate students work collaboratively to produce a significant public-facing research product drawing on sociological contexts and methods. Topics vary depending on section. Students will gain a conceptual understanding of the project topic, develop research plans, conduct new research, and develop a final product containing significant analysis and interpretation (e.g., exhibits, databases, white papers, data visualizations). Graduate students will mentor undergraduate students and take leadership roles in facilitating projects. Some courses will continue in a two-semester sequence. Instructor consent required.
SOCIOL283S - Death, Burial, and Justice in the Americas

Subject: SOCIOL  
Catalog Number: 283S  
Title: Death, Burial, and Justice in the Americas

Description
This interdisciplinary course explores the phenomenon of necroviolence: attacks on the dignity, integrity, and memory of the dead. Cases come from the United States, Latin America, and Canada. Topics include the rights of the dead, cultural attitudes towards the dead, and the 'ambiguous loss' experienced by loved ones of the disappeared. We also explore the activism of family members, volunteer cemetery reclamation groups, and forensic scientists who exhume mass graves to identify bodies. Students will interact with guest speakers, spend time in a local African American cemetery with ties to Duke, and do community work and research on behalf of the marginalized dead.

SOCIOL285S - Critical Pedagogy of Hip Hop

Subject: SOCIOL  
Catalog Number: 285S  
Title: Critical Pedagogy of Hip Hop

Description
This course examines the role of critical pedagogy in developing learning environments that engage and empower youth. Emphasis is placed on the context of Hip Hop as a foundation for instructional decision-making and social justice advocacy/activism. Students will explore the historical and socio-cultural foundations of education initiatives, teaching and learning strategies, federal and state mandates and educational policy issues that contribute to marginalization. Innovations, interdisciplinary collaboration and community programs designed to strengthen schools and communities will be highlighted.

SOCIOL288 - History of Inequality

Subject: SOCIOL  
Catalog Number: 288  
Title: History of Inequality

Description
This course familiarizes students with the field of Inequality Studies through examination of the causes and consequences of social inequality throughout history. It addresses theories of group and subgroup social stratification and ways that disparity operates across multiple axes of stigmatized identities. This is a required course for the minor in Inequality Studies.

SOCIOL290 - Advanced Special Topics in Sociology

Subject: SOCIOL  
Catalog Number: 290  
Title: Advanced Special Topics in Sociology

SOCIOL290A - Duke-Administered Study Abroad: Advanced Special Topics in Sociology

Subject: SOCIOL  
Catalog Number: 290A  
Title: Duke-Administered Study Abroad: Advanced Special Topics in Sociology

SOCIOL290S - Seminar in Special Topics

Subject: SOCIOL  
Catalog Number: 290S  
Title: Seminar in Special Topics
**SOCIOL291 - Independent Study for Nonmajors**

**Subject**  
SOCIOL  

**Catalog Number**  
291  

**Title**  
Independent Study for Nonmajors  

**Description**

Individual research and reading in a field of special interest, under the supervision of faculty member, resulting in a substantive paper or written report containing significant analysis and interpretation of a previously approved topic. Open to qualified juniors and seniors. Consent of instructor and Director of Markets and Management Studies. Does not count toward the Sociology major.

**SOCIOL294A - Political Economy of Immigration**

**Subject**  
SOCIOL  

**Catalog Number**  
294A  

**Title**  
Political Economy of Immigration  

**Description**

The regulation of labour immigration is among the most important and controversial public policy issues in high-income countries. Many countries in Europe and North America, including the UK and the US, have experienced very rapid increases in labour immigration over the past 20 years. Instructor consent is required.

**SOCIOL302S - South Africa and the World**

**Subject**  
SOCIOL  

**Catalog Number**  
302S  

**Title**  
South Africa and the World  

**Description**

Throughout the 20th century, South Africa had the largest economy and military on the African continent. Its strategic geographic position and mineral wealth in gold and uranium made it an important ally for the largest economies in the world. The Cold War enhanced its significance. However, in the second half of the twentieth century, its policies of apartheid rendered it an international pariah. This course examines the ways in which countries, international institutions, and millions of ‘ordinary’ people shaped the course of South African history. How did South Africa interact with the broader world, and how did the world try to affect South Africa’s policies of white supremacy?

**SOCIOL293 - Research Independent Study for Non-Majors**

**Subject**  
SOCIOL  

**Catalog Number**  
293  

**Title**  
Research Independent Study for Non-Majors  

**Description**

Individual research in a field of special interest under the supervision of a faculty member, the central goal of which is a substantive paper containing significant analysis and interpretation of a previously approved topic. Open to qualified juniors and seniors. Consent of instructor and Director of Markets and Management Studies. Does not count toward the Sociology major.

**SOCIOL295S - Sex Work: The Politics of Sexual Labor**

**Subject**  
SOCIOL  

**Catalog Number**  
295S  

**Title**  
Sex Work: The Politics of Sexual Labor  

**Description**

Sex work from the perspective of the labor and the purchase. Controversies over questions of gender and power, consent and coercion, sexual practices and labor contracts, trafficking and migration. Cultural representations of sex workers and their clients. Legal regimes from abolition to regulation and decriminalization.

**SOCIOL322S - Race and Society: South Africa and the US, 1890-present**

**Subject**  
SOCIOL  

**Catalog Number**  
322S  

**Title**  
Race and Society: South Africa and the US, 1890-present  

**Description**

Scholars, pundits and historical actors have long drawn parallels between the United States & South Africa-two countries founded on the premises of racial inequality. This course explores the machinations of race from the quickening of industrial development to present. We will consider the benefits and pitfalls of thinking comparatively. Topics include segregation, transatlantic cultural exchanges, living apartheid and Jim Crow, government surveillance of political opponents, the American anti-apartheid movement, mass incarceration and privatization of prisons, memory and the struggles for social change as well as the persistence of racial inequality in two country’s contemporary societies.
### SOCIOL323S - Social Movements in Age of Globalization

**Subject**: SOCIOL  
**Catalog Number**: 323S  
**Title**: Social Movements in Age of Globalization  
**Description**: Study of primary models and theories of social movements developed in fields of Sociology and Political Science. Readings provide vocabulary and conceptual framework for understanding how people organize, how social movements use media, role of leadership, meaning of success, and several other basic issues. Focus on social movements of last few decades. Students will conduct group projects on a selected contemporary social movement. Contemporary social movements considered include Occupy, 15M movement in Spain, Gezi Park encampment in Turkey, urban protests in Brazil, and Arab Spring uprisings.

### SOCIOL324S - The University as a Culture: A Survivor's Guide

**Subject**: SOCIOL  
**Catalog Number**: 324S  
**Title**: The University as a Culture: A Survivor's Guide  
**Description**: The university generates some of the most influential forms of knowledge in the world, yet we seldom examine the historically specific cultural, social, political, and economic conditions under which knowledge is produced in the laboratories, classrooms, offices, dormitories, Greek-letter societies, and sports complexes that are the infrastructure of the academy. This course will employ readings from a range of disciplines, as well as the investigative and interpretive methods of cultural anthropology, to examine the taken-for-granted context of university life.

### SOCIOL325A - International Business

**Subject**: SOCIOL  
**Catalog Number**: 325A  
**Title**: International Business  
**Description**: This is a summer study abroad offering. No pre-reqs are required. The course is organized to cover the following topics and to give students an overview of issues important to firms operating in a global context: international trade, business cultures in an international/global context, modes of operation, global business strategies, marketing strategies, ethics and sustainability in a global environment.

### SOCIOL330S - Bad Behavior

**Subject**: SOCIOL  
**Catalog Number**: 330S  
**Title**: Bad Behavior  
**Description**: What does it mean to behave badly? How is ‘bad behavior’ distinguished from actions that are otherwise described as evil or criminal? This course addresses these questions by examining ideas of deviance, wrongdoing, and misconduct in the nineteenth, twentieth, and twenty-first centuries—that is, modern behavioral categories that are considered to be aberrant without necessarily being strictly defined as transgressions of the law. We will consider how bad behavior concerns the disruption of implicit social norms rather than the explicit violation of legal or moral codes.

### SOCIOL331 - Women at Work: Gendered Experience of Corporate Life

**Subject**: SOCIOL  
**Catalog Number**: 331  
**Title**: Women at Work: Gendered Experience of Corporate Life  
**Description**: Analysis of gender, class and race in contemporary business organizations and roles of men and women within them. Management systems, information technology and human resource systems, as artifacts to larger, gendered environment.

### SOCIOL332 - Methods of Social Research

**Subject**: SOCIOL  
**Catalog Number**: 332  
**Title**: Methods of Social Research  
**Description**: Principles of social research, design of sociological studies, sampling, and data collection with special attention to survey techniques. Open only to Sociology majors. Sociology minors must contact the professor for approval.
SOCIOL333 - Quantitative Analysis of Sociological Data

Description
Introduction to quantitative analysis in sociological research, including principles of research design and the use of empirical evidence, particularly from social surveys. Descriptive and inferential statistics, contingency table analysis, and regression analysis. Emphasis on analysis of data, interpretation and presentation of results. Not open to students who have taken another 100-level (or above) statistics course. Course restricted to first and second Sociology majors.

SOCIOL338 - Theory and Society

Description
Selective survey of major classical and modern social theorists from the Enlightenment to the present. Attention to theories seeking to follow models of the natural sciences and those seeking a more critical and interpretive understanding of modern society. Sociological theory in relation to other modern currents, such as conservatism, socialism, existentialism, anti-colonialism, feminism, post-modernism.

SOCIOL339 - Marxism and Society

Description
Introduction to Marx’s core concepts, such as alienation, commodity, and revolution. Includes examination of Marx’s own major historical & political analyses, his economic texts, and his philosophical writings. Students also gain familiarity with the role of Marxist thought in different fields and disciplines, including feminist theory, anthropology, history, political science, and literary studies.

SOCIOL341 - The United States and the Asian Pacific Region

Description
Asian Pacific region is major engine of economic growth in the 21st century likely causing major shift of power and wealth in the world. Study relationships between US and various Asian Pacific nations from the end of World War II to present. Focus on impact of wars, technological development and economic development. Examine differences in various issues such as trade, human rights, environment, territory disputes between US and a variety of Asian Pacific nations.

SOCIOL343 - Displacements: Migration and Human Trafficking

Description
Examination of the meaning of migration in the global world through cross-disciplinary texts and visual media. Situates the phenomenon of human trafficking within the context of these general movements focusing on the risks involved when people endanger their lives to find a better and more strategic position in the world. Explores how these experiences should be interpreted, and how processes and the politics of race, space and place are a condition and/or outcome of these movements. Investigates and considers ways to resolve some of the problems associated with such movements.

SOCIOL344 - Technology and Organizational Environments

Description
How organizations (governments, private corporations, and non-profit organizations) are affected by the social, technological, and cultural environments in which they operate. Emphasis on how United States and Japanese cultures generate different modes of organization and differing environmental facilitators and obstacles. Competitive strategies (for example, mergers and takeovers) and the impact of technology on organizational structures (for example, the rapid diffusion of information technology). Research paper required, using either quantitative evidence or a case study approach.
**SOCIOL345 - Nations, Regions, and the Global Economy**

**Subject**  
SOCIOL

**Catalog Number**  
345

**Title**  
Nations, Regions, and the Global Economy

**Description**  
The changing configuration of global capitalism, with emphasis on comparing global regions of North America, Latin America, Europe, Africa, and Asia. The internal dynamics of these regions, including the development strategies of selected nations, interregional comparisons (for example, regional divisions of labor, state-society relationships, the nature of their business systems, quality of life issues). Research paper required.

**SOCIOL346 - Social Movements and Social Problems in Contemporary Spain**

**Subject**  
SOCIOL

**Catalog Number**  
346

**Title**  
Social Movements and Social Problems in Contemporary Spain

**Description**  
Course offers a critical, comprehensive and panoramic approach to the study of fundamental social problems of contemporary Spanish society (inequalities, marginalization and exclusion, social risks, unemployment, housing, education, economic and political crisis, gender equality, etc.) that affect its various institutions (family, work, city, State, etc.). The approach will be twofold: on one hand, it will be carried out from a Sociology and Applied Anthropology theoretical perspective; on the other, it will familiarize students with the point of view of the citizens’ movements with regular encounters with activists and leaders of these organizations.

**SOCIOL346A - Social Movements and Social Problems in Contemporary Spain**

**Subject**  
SOCIOL

**Catalog Number**  
346A

**Title**  
Social Movements and Social Problems in Contemporary Spain

**Description**  
Course offers a critical, comprehensive and panoramic approach to the study of fundamental social problems of contemporary Spanish society (inequalities, marginalization and exclusion, social risks, unemployment, housing, education, economic and political crisis, gender equality, etc.) that affect its various institutions (family, work, city, State, etc.). The approach will be twofold: on one hand, it will be carried out from a Sociology and Applied Anthropology theoretical perspective; on the other, it will familiarize students with the point of view of the citizens’ movements with regular encounters with activists and leaders of these organizations. Offered through Duke in Madrid program.

**SOCIOL346S - Asians in American Higher Education: Trends and Issues**

**Subject**  
SOCIOL

**Catalog Number**  
346S

**Title**  
Asians in American Higher Education: Trends and Issues

**Description**  
An interdisciplinary examination of the history and experience of students of Asian descent at the higher education level, including demographic trends, sociocultural development, and access and support. Special attention will be given to intragroup diversity within the Asian/American community in today's global context.
<table>
<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>SOCIOL</td>
<td>347</td>
<td>Managing Networks: Research and Applications of Network Analysis to Business Organizations</td>
<td>The role that networks play in organizations. How networks affect a large number of significant behaviors and processes. Learn to harness the incredible power of social, economic, and political networks. Develop research, writing, and quantitative analysis skills with focus on business organizations. Relevant for students interested in Markets and Management and leadership positions.</td>
</tr>
<tr>
<td>SOCIOL</td>
<td>351</td>
<td>Life and Death: Global Perspectives</td>
<td>Anthropological investigation of customs, practices, and beliefs that get activated when people (and other living beings) die. What constitutes life as in when does it start, what determines well-being, how is it measured; and what constitutes death as in a good versus bad death, by what medical definition, and according to what rituals and beliefs. Comparative inquiry into such questions as why brain-death is not accepted in some cultures and why people in some places prefer to die rather than live after an amputation. Topics will include organ transplants, gang warfare, cancer, and warzones from China and Botswana to Mexico and the United States.</td>
</tr>
<tr>
<td>SOCIOL</td>
<td>352S</td>
<td>Sociology through Photography</td>
<td>Documentary photography used as a tool to see the world through a sociological lens. Photographs and the social construction of reality; generic components of social organization (codes of conduct, mechanisms of social control); power relations and social inequalities; and social identities (how they're formed in relation to structures, experiences, history and culture).</td>
</tr>
<tr>
<td>SOCIOL</td>
<td>355</td>
<td>Organizations and Management</td>
<td>Dimensions and aspects of modern organizations and concepts and tools for analyzing them. Special attention to the impact of changing social and technological environments on the evolution of organizational structures and strategies and on issues related to business ethics. The structure and operation of organizations; how organizations are managed by analyzing processes of organizational decision making; business case studies as illustrative of the concepts and the analytical tools.</td>
</tr>
<tr>
<td>SOCIOL</td>
<td>359</td>
<td>The Sociology of Entrepreneurship</td>
<td>Analysis of the psychological, religious, cultural, economic, political, and historical roots of entrepreneurship. Supply side and demand side perspectives. How to interpret theories at multiple levels of analysis to understanding entrepreneurship. Examines research on new business formation and the likelihood of success.</td>
</tr>
</tbody>
</table>
SOCIOL360 - Global Apple: Life and Death and the Digital Revolution

Description
Examination of the Apple Corporation’s development from a Silicon Valley garage operation to a company with unprecedented global reach; the Cult of Steve Jobs, the Apple Launch and use the design and development of the Apple Store; labor and environmental struggles over Apple supply chain and production processes, from cobalt mining in Africa to Foxconn factories in China; migrant worker suicide and poetry as forms of protest in China; e-waste villages and digital rubbish; everyday uses of Apple technology and the ethics of consuming Apple products.

SOCIOL361 - Social Determinants of US Health Disparities

Description
Introduction to how social factors influence health and well-being, with a particular focus on contemporary US society. Topics include obesity, aging, socioeconomic disadvantage, access to health insurance, public health systems, the role of the media, and racial/ethnic and gender inequalities. The course will provide descriptive assessments of health inequalities and analytic examinations of the mechanisms through which social factors affect health.

SOCIOL364S - Race, Gender, and Sexuality

Description
Gender’s relationship to race and sexuality explored through a variety of issues, including health, intimacy, family, the state, economic practices, transnational communities and identities, and social movement.

SOCIOL367S - Data Science and Society

Description
Interdisciplinary field of computational social science, drawing from sociology, computer science, and related disciplines. Obtain skills to automate collection of social science data from new sources (Twitter, Facebook, Google, etc.), classify unstructured data into discrete variables, analyze them using a combination of techniques that includes screen-scraping, natural language processing and machine learning. Complex ethical and legal issues that arise when working with these novel sources of data. Students develop their imagination about new questions that can be asked with these new data sources. Reading and reproducing exemplary studies produced by computational social scientists.

SOCIOL374 - Pigging Out: The Cultural Politics of Food

Description
Examines cultural influences of food while linking class, geography, and ethnicity to food practices. Investigates link between overeating and cheap food, under-eating and expensive food; discrepancy between cost and quality; changing diets in US and elsewhere; current debates regarding food production, specifically in the U.S., Americas, Africa and Asia. Discussion of Cargill companies’ restrictions on spread of their hybrid grains; questionable agricultural practices, e.g. animal cruelty, overuse of pesticides, condition of migrants. Environmental policies examined in relation to pursuit of such industrial agricultural practices. Will include hands-on experiments with food preparation and tasting.
### SOCIOL375S - Masculinities & Global Politics

**Subject**: SOCIOL  
**Catalog Number**: 375S  
**Title**: Masculinities & Global Politics  

**Description**
The course uses readings and films to examine masculinities historically and transnationally, including a unit on masculinities in US politics; draws from history, sociology, feminist geography, popular culture studies, Black studies, and sexuality and queer studies; interactive lectures and guest scholars. Each student is guided to complete an interview-based research project with three male-identified persons of multiple generations which serves in lieu of a final exam.

### SOCIOL377S - Language & Identity: How We Construct Identities and Reproduce Social Hierarchies Through Language

**Subject**: SOCIOL  
**Catalog Number**: 377S  
**Title**: Language & Identity: How We Construct Identities and Reproduce Social Hierarchies Through Language  

**Description**
Language is a central and pervasive feature of human identity through which we portray ourselves and negotiate social identities. With such practices we reproduce values, norms, social hierarchies, and the privilege these entail. Using examples from media, literature, and ethnographic data we will explore how speakers negotiate social identities through language and how ideas about it inform our understanding and interpretation of society and speakers within it. Topics include language, racism, gender, sexuality, class, ethnicity and ways that language and discourse construct and maintain a sense of belonging, otherness, truth, and value. Not open to students who have taken Romance Studies 207FS.

### SOCIOL387 - Reimagining the World Together: Why Friendship Matters for Our Future

**Subject**: SOCIOL  
**Catalog Number**: 387  
**Title**: Reimagining the World Together: Why Friendship Matters for Our Future  

**Description**
Explores friendship and why it matters in the frenzied world of 'likes' and 'swipes.' The average Facebook user has 155 friends. Instagram added a 'Close Friends' feature to distinguish friends from followers. Social media has weakened our sense of friendship. Still, Facebook users say that, of those 155 friends, they would trust only four in a crisis. Pursues the importance of friendship, not only as a place of private refuge but as a relationship of trust that facilitates insight and innovation and that has public purchase. Classes center on conversations between pairs of friends who bring their friendship, their work, and their imaginations to bear on the shape of the world in the future.

### SOCIOL388S - Food, Culture, and Society

**Subject**: SOCIOL  
**Catalog Number**: 388S  
**Title**: Food, Culture, and Society  

**Description**
This DukeImmerse course provides a broad overview of food as culture and its role in society. Exploration of the intersections between food and identity from gender, ethnic, class, religious, and political identities to how people use food to develop a sense of themselves as ethical beings. Food and democracy and food activism. Readings from anthropological, sociological, linguistic, and literary writings with ethnographic observations in local communities of practice. Instructor consent required.
### SOCIOL389S - Field Ethics (DukeImmerse)

**Subject**: SOCIOL  
**Catalog Number**: 389S  
**Title**: Field Ethics (DukeImmerse)

**Description**
An introduction to qualitative research design and analysis including interviewing, ethnography, focus groups as well as a variety of visual methods, including mapping and photo elicitation. Emphasis on the ethics of research design, implementation, and presentation and ethics of research with vulnerable populations. Students will collect refugee life stories as the basis of a documentary theater production they will write and perform as their final project. Course may include field research in Jordan and Nepal. Open only to DukeImmerse students. Instructor consent required.

### SOCIOL390 - Special Topics in Sociology

**Subject**: SOCIOL  
**Catalog Number**: 390  
**Title**: Special Topics in Sociology

**Description**
Topics vary each semester.

### SOCIOL390A - Duke-Administered Study Abroad: Advanced Special Topics in Sociology

**Subject**: SOCIOL  
**Catalog Number**: 390A  
**Title**: Duke-Administered Study Abroad: Advanced Special Topics in Sociology

**Description**
Topics vary by semester.

### SOCIOL390SA - Duke-Administered Study Abroad: Advanced Special Topics in Sociology

**Subject**: SOCIOL  
**Catalog Number**: 390SA  
**Title**: Duke-Administered Study Abroad: Advanced Special Topics in Sociology

**Description**
Topics vary by semester.

### SOCIOL391 - Independent Study

**Subject**: SOCIOL  
**Catalog Number**: 391  
**Title**: Independent Study

**Description**
Directed reading or individual projects under the supervision of a faculty member, resulting in a substantive paper or written report containing significant analysis and interpretation. Consent of instructor and director of undergraduate studies required.
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<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>SOCIOL393</td>
<td>393</td>
<td>Research Independent Study</td>
</tr>
<tr>
<td>SOCIOL425</td>
<td>425</td>
<td>Intellectual Property and Innovation: Law, Policy &amp; Entrepreneurship</td>
</tr>
<tr>
<td>SOCIOL430S</td>
<td>430S</td>
<td>What's Next: Women, Leadership, Purpose</td>
</tr>
<tr>
<td>SOCIOL442</td>
<td>442</td>
<td>Global Inequality Research</td>
</tr>
</tbody>
</table>

### SOCIOL393 - Research Independent Study

**Description**
Individual research in a field of special interest under the supervision of a faculty member, the central goal of which is a substantive paper or written report containing significant analysis and interpretation of a previously approved topic. Consent of instructor and director of undergraduate studies required.

### SOCIOL425 - Intellectual Property and Innovation: Law, Policy & Entrepreneurship

**Description**
Course examines the tightly linked roles of intellectual property law and innovation in the 21st century global economy; offers an overview of the use of intellectual property in business, law and public policy, as well as in-depth coverage of current controversies impacting the future of the global information economy: gene patents; online piracy; music sampling; open source business models; access to medicines; and the impact of the 3D printing revolution. Besides overviews of trends in intellectual property law, research and development strategies, university technology transfer, and government and private sector investment, examine case studies of specific innovators, companies, places.

### SOCIOL430S - What's Next: Women, Leadership, Purpose

**Description**
Interdisciplinary analysis of the history of ideas about women and the professions with emphasis on women's actions, past, present and future. The changing status of women in professional life; ethical and political implications of public and personal decision-making. Study of research and writing by and about women in professional fields; interviews with working women. Research paper integrating students' major, the internship experience and their future goals required. Senior seminar open only to Baldwin Scholars. Consent of instructor required.

### SOCIOL442 - Global Inequality Research

**Description**
Engagement of vertically integrated research teams in projects exploring racial and ethnic disparities exhibited and expressed in six arenas, employment, wealth, health, political participation, education, and arts and culture. Each team will produce a major paper that will qualify for submission to a refereed journal in the area relevant to the focus of the study. Course is not open to students who have taken Public Policy 645 or 645S.
### SOCIOL442S - Global Inequality Research Seminar

**Subject** | **Catalog Number** | **Title**
---|---|---
SOCIOL | 442S | Global Inequality Research Seminar

**Description**
Engagement of vertically integrated research teams in projects exploring racial and ethnic disparities exhibited and expressed in six arenas: employment, wealth, health, political participation, education, and arts and culture. Each team will produce a major paper that will qualify for submission to a refereed journal in the area relevant to the focus of the study. Course is not open to students who have taken Public Policy 645S.

### SOCIOL450S - The Global Caribbean

**Subject** | **Catalog Number** | **Title**
---|---|---
SOCIOL | 450S | The Global Caribbean

**Description**
The course introduces students to the Caribbean as a transnational space that reflects the global dynamics associated with flows of bodies via migration, labor, and goods all of which have undergirded the birth and evolution of the (primarily) Atlantic world economy. The Global Caribbean will have a historical sociological bent that frames the region as the first modern colonial space which has served as a template for other projects of colonial and postcolonial development elsewhere in the world. Emphasis will be on the way that freedoms and unfreedoms operate in the Caribbean and elsewhere. Discussions of how knowledge has conditioned the representation of the region will be entertained.

### SOCIOL471S - Language and Politics: Global Perspectives

**Subject** | **Catalog Number** | **Title**
---|---|---
SOCIOL | 471S | Language and Politics: Global Perspectives

**Description**
We will never speak a single language, or agree on the best way to organize society and politics for ‘the good life.’ How do macro-politics affect the language(s) we choose to speak? What public policy initiatives can be deployed so that language is an accessible resource for all? Are there such things as language rights, and how can they be distributed and defended? These questions are not just academic, but essential to understanding the world(s) that we inhabit. This course takes a global and historical approach to the politics of language, examining the relationships between language, society, and the state.

### SOCIOL490 - Special Topics in Sociology

**Subject** | **Catalog Number** | **Title**
---|---|---
SOCIOL | 490 | Special Topics in Sociology

### SOCIOL490S - Seminar in Special Topics

**Subject** | **Catalog Number** | **Title**
---|---|---
SOCIOL | 490S | Seminar in Special Topics

### SOCIOL490S-1 - Research Seminar: Special Topics

**Subject** | **Catalog Number** | **Title**
---|---|---
SOCIOL | 490S-1 | Research Seminar: Special Topics

**Description**
Directed research on a particular theme in a collaborative workshop using basic skills to assist in designing, carrying out, and writing up original research. A substantive paper with significant analysis and interpretation required. Themes vary semester to semester.
### SOCIOL495S - Sociology Honors Seminar I

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<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>SOCIOL</td>
<td>495S</td>
<td>Sociology Honors Seminar I</td>
</tr>
</tbody>
</table>

**Description**
Honors seminar for senior sociology major. Intensive research experience including topic selection, research design, data collection and analysis resulting in substantial, original paper. Research guidance and support provided by instructor and faculty advisor. Consent of instructor required.

### SOCIOL496S - Sociology Honors Seminar II

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<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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<tbody>
<tr>
<td>SOCIOL</td>
<td>496S</td>
<td>Sociology Honors Seminar II</td>
</tr>
</tbody>
</table>

**Description**
Continuation of Sociology 495S. Consent of instructor required.

### SOCIOL89S - First-Year Seminar

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<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>SOCIOL</td>
<td>89S</td>
<td>First-Year Seminar</td>
</tr>
</tbody>
</table>

**Description**
Topics vary each semester offered.

### SPANISH101 - Elementary Spanish 1

<table>
<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>SPANISH</td>
<td>101</td>
<td>Elementary Spanish 1</td>
</tr>
</tbody>
</table>

**Description**
Introduces the basic elements of the language and includes exposure to aspects of Spanish-speaking cultures. Equal attention to aural comprehension, speaking, reading, and writing skills conducted entirely in Spanish using a task-based approach. Four class meetings a week during the academic year, five days per week during the summer. Not open for credit to students who have had three or more years of Spanish in high school. Prerequisite: No previous college study of Spanish, or no more than three years of high school Spanish, or appropriate language placement score.

### SPANISH102 - Elementary Spanish 2

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<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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<tbody>
<tr>
<td>SPANISH</td>
<td>102</td>
<td>Elementary Spanish 2</td>
</tr>
</tbody>
</table>

**Description**
This course builds on the elements of the language acquired in Elementary Spanish 101; enrollment in Spanish 102 presupposes acquisition of the contents covered in Spanish 101. Speaking, reading, and writing skills emphasized; exposure to Spanish-speaking cultures. Classes conducted entirely in Spanish using a task-based approach. Four class meetings a week during the academic year, five days per week during the summer. Prerequisite: Spanish 101 or appropriate placement test score.

### SPANISH111 - Intensive Elementary Spanish

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<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>SPANISH</td>
<td>111</td>
<td>Intensive Elementary Spanish</td>
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</tbody>
</table>

**Description**
This 2-credit course covers the elementary Spanish curriculum (Spanish 101 and Spanish 102) in one semester. The course focuses on basic structures, functions and vocabulary with the goal of having students interact, problem solve and collaborate in Spanish. Students work on developing the interpersonal, interpretive and presentational communication modes as well as begin to develop insight into their own language and culture. Not open to students who have had more than one year of Spanish in high school.
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<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPANISH</td>
<td>112</td>
<td>SPANISH112 - Accelerated Elementary Spanish</td>
<td>This course is designed for students with 2-3 years of high school Spanish whose level of Spanish places them between Spanish 101 and 102. The course focuses on basic Spanish structures, functions and vocabulary with the goal of having students interact, problem solve and collaborate in the target language. This course develops the interpersonal, interpretive and presentational communication modes.</td>
</tr>
<tr>
<td>SPANISH</td>
<td>140A</td>
<td>SPANISH140A - Duke in Alicante: Intensive Elementary Institute</td>
<td>Covers the basic elementary language curriculum (Spanish 101 &amp; 102) in one summer session in Alicante, Spain. Equal attention to aural comprehension, speaking, reading, and writing skills conducted entirely in Spanish using a task-based approach. Includes exposure to aspects of Spanish-speaking cultures. 4 hours a day of classroom instruction (M-TH); required extracurricular activities. For more information see the Global Education Office website.</td>
</tr>
<tr>
<td>SPANISH</td>
<td>160</td>
<td>SPANISH160 - Introduction to Latino/a Studies in the Global South</td>
<td>Introduction to the interdisciplinary field of Latino/a Studies, and how it reconfigures the study of the United States and the Americas. Considers literature, history, sociology, economics, politics, culture and language in examining terms such as: Latino, latinidad, Global South, transnational, globalization, and multiculturalism. Exploration of alignments and divergences of Latino/a Studies with African and African American Studies, Latin American and Caribbean Studies, and Critical US Studies. Classroom learning will connect with the community outside of Duke. Required introductory course for students in the Latino/a Studies in the Global South certificate program.</td>
</tr>
<tr>
<td>SPANISH</td>
<td>160S</td>
<td>SPANISH160S - Introduction to Latino/a Studies in the Global South</td>
<td>Intro to the interdisciplinary field of Latino/a Studies, and how it reconfigures the study of the United States and the Americas. Considers literature, history, sociology, economics, politics, culture and language in examining terms such as: Latino, latinidad, Global South, transnational, globalization, and multiculturalism. Exploration of alignments and divergences of Latino/a Studies with African and African American Studies, Latin American and Caribbean Studies, and Critical US Studies. Classroom learning will connect with the community outside of Duke. Required intro course for students in the Latino/a Studies in the Global South certificate program.</td>
</tr>
<tr>
<td>SPANISH</td>
<td>190FS</td>
<td>SPANISH190FS - Focus Topics in Spanish and Latin American Literature and Culture</td>
<td>Topics on single authors, genres, movements, or themes. Taught in English. Topics course. Open only to students in the Focus program.</td>
</tr>
<tr>
<td>SPANISH</td>
<td>203</td>
<td>SPANISH203 - Intermediate Spanish</td>
<td>This course builds on the elements of the language acquired in the elementary sequence; enrollment in this course presupposes acquisition of Spanish 101 and 102 contents. Continued development of the four language skills: listening, speaking, reading and writing. Expanding range and complexity of grammar usage and vocabulary. Exposure to Spanish-speaking cultures. Prerequisite: Spanish 102 or 111, or appropriate placement test score.</td>
</tr>
</tbody>
</table>
**SPANISH204 - Advanced Intermediate Spanish**

**Subject**  
SPANISH

**Catalog Number**  
204

**Title**  
Advanced Intermediate Spanish

**Description**  
This course builds on the elements of the language acquired in Spanish 101 through 203. Further development of the four language skills: listening, speaking, reading and writing. Expanding range and sophistication of grammar usage and vocabulary. Exposure to Spanish-speaking cultures. Work with comprehension and production of texts of greater extension and complexity. Prepares students for 300-level Spanish courses. Prerequisite: Spanish 203, or appropriate placement test score.

**SPANISH205 - Advanced Intermediate Spanish with Service-Learning**

**Subject**  
SPANISH

**Catalog Number**  
205

**Title**  
Advanced Intermediate Spanish with Service-Learning

**Description**  
Same as Spanish 204, except with a service-learning component.

**SPANISH206 - Advanced Intermediate Spanish with Community Engagement**

**Subject**  
SPANISH

**Catalog Number**  
206

**Title**  
Advanced Intermediate Spanish with Community Engagement

**Description**  
Same as Spanish 204, except with community engagement. Course integrates academic language learning and interactions with the local Spanish speaking community to learn about their culture. Instructor consent required.

**SPANISH209 - Intermediate Spanish for Heritage Learners**

**Subject**  
SPANISH

**Catalog Number**  
209

**Title**  
Intermediate Spanish for Heritage Learners

**Description**  
This course is the first of a two-course sequence for heritage Spanish learners. It aims to reconnect students with their linguistic and cultural heritage to further them through meaningful experiences. Activities in this course empower heritage learners to apply their bilingual/bicultural knowledge in academic and professional settings. Students have the opportunity to a) discuss topics relevant to their interests, use presentational skills to write and talk about them b) conduct sociolinguistic research, develop critical and integrative thinking skills in Spanish, and c) gain skills required to work professionally in a Spanish-speaking environment. Instructor consent required.
### SPANISH211 - Intensive Intermediate Spanish

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<th>Subject</th>
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<th>Title</th>
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<tbody>
<tr>
<td>SPANISH</td>
<td>211</td>
<td>Intensive Intermediate Spanish</td>
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</tbody>
</table>

**Description**

This two-credit course covers the intermediate Spanish language curriculum (Spanish 203 and 204) in one semester. Builds on the elements of the language acquired in the elementary sequence; enrollment in this course presupposes acquisition of Spanish 101 and 102 contents. Further development of the four language skills: listening, speaking, reading, and writing. Expanding range and sophistication of grammar usage and vocabulary. Exposure to Spanish-speaking cultures. Increasing ability to structure ideas in speaking and writing. Work with comprehension and production of texts of greater extension. Prepares students for 300-level Spanish courses. Four class meetings a week.

### SPANISH235T - Voices in Music: Spanish

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<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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<tbody>
<tr>
<td>SPANISH</td>
<td>235T</td>
<td>Voices in Music: Spanish</td>
</tr>
</tbody>
</table>

**Description**

Voices in Music explores how language and culture impact the production and reception of music in Spanish-speaking communities. Texts include compositions, lyrics, music videos, interviews, visual texts, and documentaries, allowing students to examine music from multiple perspectives in Spanish. Discussions will include ethnomusicology, representations of culture and identity, performance, and the music industry. Tutorials are taught entirely in Spanish. Prerequisite: 4 semesters-level of language study (SPANISH 204) or equivalent. Satisfactory/Unsatisfactory.

### SPANISH240A - Duke in Alicante: Intensive Intermediate Institute

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<th>Subject</th>
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<tr>
<td>SPANISH</td>
<td>240A</td>
<td>Duke in Alicante: Intensive Intermediate Institute</td>
</tr>
</tbody>
</table>

**Description**

Covers intermediate Spanish language curriculum (Spanish 203, 204) in one summer session in Alicante, Spain. Builds on elements of language acquired in Spanish 101 and 102. Further development of listening, speaking, reading, writing skills. Expanding range and sophistication of grammar usage and vocabulary. Exposure to Spanish-speaking cultures. Work with comprehension and production of complex texts. Focus on ability to structure ideas in speaking and writing. Prepares students for 300-level Spanish courses. 4 hours/day classroom instruction (M-Th); required extracurricular activities. Prerequisite: Spanish 102 or 111. For more information see Global Education Office website.

### SPANISH270T-1 - Voices in Global Health: Spanish Tutorial

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<th>Subject</th>
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<th>Title</th>
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<tbody>
<tr>
<td>SPANISH</td>
<td>270T-1</td>
<td>Voices in Global Health: Spanish Tutorial</td>
</tr>
</tbody>
</table>

**Description**

Through practical and theoretical discussions around case studies, visual texts, and interviews in the target language, Voices in Global Health examines emerging health challenges at the local and global level. Through the experiences and knowledge shared from our guest speakers, we will explore the underlying health behaviors and cultural beliefs while producing culturally appropriate health interventions. Tutorials meet weekly for 75-minutes. Prerequisite: 4 semesters of language (Spanish 204) or equivalent – heritage and native speakers are welcome to enroll. Satisfactory/Unsatisfactory. Community-engaged course.

### SPANISH271T - Voices in Public Policy: Spanish Tutorial

<table>
<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>SPANISH</td>
<td>271T</td>
<td>Voices in Public Policy: Spanish Tutorial</td>
</tr>
</tbody>
</table>

**Description**

Students explore how language and culture impact public policy and practice. Through authentic texts, video, and case studies in Spanish, students analyze policy issues in the Latino/a community to develop their understanding of core issues in the field. 1/2 credit. Satisfactory/Unsatisfactory. Tutorials meet for 75 minutes/week. Taught in Spanish. Prerequisite: 4 semesters of equivalent of Spanish.

### SPANISH272T-1 - Voices in the Environment: Spanish

<table>
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<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPANISH</td>
<td>272T-1</td>
<td>Voices in the Environment: Spanish</td>
</tr>
</tbody>
</table>

**Description**

In this course, students will explore how language and culture impact environmental policy and practice. Through authentic text, video, and case studies in Spanish, students will analyze environmental issues in Latin America to develop their understanding of core issues in the field. Tutorials meet for 75 minutes/week. Taught in Spanish.
SPANISH275T-1 - Voices in Marketing: Advertising in Spanish

Description: Discussion-based course trains students to analyze all forms of advertising in Spanish. Classes explore the history and theories of advertising in the Hispanophone world, as well as hands-on strategies for analyzing ads, with particular attention to issues such as translation, localization, and ethics. Tutorials meet weekly for 75 minutes. Does not count toward Markets & Management Studies certificate program. Recommended prerequisite: Spanish 204 or equivalent.

SPANISH290 - Special Topics in Spanish Studies

Description: Topics in Spanish literature and culture to be announced.

SPANISH301 - Advanced Spanish Writing

Description: Development of academic writing skills in Spanish with a focus on techniques for identifying a topic, conducting research, organizing information to appeal to readers, drafting, revising, and editing. Focus on improving grammatical and lexical variety and accuracy in students' writing in Spanish. Peer feedback and group work are key activities in the course. Products include a summary, an analysis written collaboratively, and a 6-8 page research paper and presentation. This course is strongly recommended before enrolling in Spanish 331S and higher courses.

SPANISH302 - Advanced Spanish Grammar

Description: Intended to foster students' reflection on Spanish grammar and to consolidate students' knowledge of the system of rules underlying the Spanish language. Special attention is given to grammar in oral and written communication. Recommended prerequisite: Spanish 204 or appropriate placement test score.

SPANISH303 - Introduction to Cultural Studies

Description: Introduction to ideologies and political debates that shape the cultural configuration of Hispanic communities both within and outside the US Borders. The main goal is to explore and examine critically how particular discourses (within different genres and media) relate to politics, art, culture, and society. Articles, literary texts, films, web sites, etc. will serve as resources. As students engage with cultural studies, it is expected that they achieve discursive complexity and linguistic accuracy through vocabulary development, group and individual presentations, video recordings, writing projects and debates. Prerequisite: Spanish 204 or equivalent.

SPANISH305 - Advanced Spanish for Heritage Learners

Description: This course is designed for heritage or bilingual students who grew up speaking Spanish at home, but have been educated almost exclusively in English. Together we will explore, reflect, and express opinions about topics that affect the diverse Latino communities in the United States such as: identity, bilingual education, immigration, health and human rights issues. Through reading current news and literary works, and listening and watching audiovisual media, students will develop the ability to read and write in Spanish in formal contexts, and also comprehend and compare the diversity and commonality of their Hispanic heritage.
SPANISH306 - Health, Culture, and the Latino Community

Subject: SPANISH  
Catalog Number: 306  
Title: Health, Culture, and the Latino Community

Description: Exploration of health issues in the Spanish-speaking world shaped by social, cultural, political, ethnic, and economic determinants. Topics: cultural competency, community beliefs, medical practices and policies, preventive medicine, mental health. Projects include presentations, writing, research, and conversations with local and global contacts. Evaluation on knowledge of content, oral and written proficiency in Spanish. One 300-level Spanish course recommended prior to enrolling. Prerequisite: Spanish 204 or equivalent.

SPANISH306-1 - Health, Culture, and the Latino Community: Service Learning

Subject: SPANISH  
Catalog Number: 306-1  
Title: Health, Culture, and the Latino Community: Service Learning

Description: Exploration of health issues in the Spanish-speaking world shaped by social, cultural, political, ethnic, and economic determinants. Topics: cultural competency, community beliefs, medical practices and policies, preventive medicine, mental health. This is a service-learning or community-engaged course. Engagement may include direct, project-based, or research-focused service with local/global community partners among other engaged practices. Evaluation on knowledge of content, oral and written proficiency in Spanish. One 300-level Spanish course recommended prior to enrolling. Prerequisite: Spanish 204 or equivalent.

SPANISH306A - Language, Culture, and Health in Costa Rica

Subject: SPANISH  
Catalog Number: 306A  
Title: Language, Culture, and Health in Costa Rica

Description: Builds proficiency in oral and written Spanish through exploration of language, culture, and issues related to health in Costa Rica. Learning through personal observations and classroom discussions based on readings and guest speakers. Interaction with community in interviews and visits to local organizations and health providers to further knowledge on issues that impact community life. Assessment based on language and content of written and oral projects. Prerequisite: Spanish 204 or equivalent. Taught in Duke-in-Costa Rica summer program.

SPANISH307S - Issues of Education and Immigration

Subject: SPANISH  
Catalog Number: 307S  
Title: Issues of Education and Immigration

Description: Topics include Latino/a/x identities, educational pathways for Spanish-speakers in our community, relevant public policy and legislation, and social action. Required 20 hours outside of class with assigned community partners. Assessment on knowledge of content, oral and written Spanish, and participation in service. One 300-level Spanish course recommended prior to enrolling.

SPANISH308S - Latinx Voices in Duke, Durham, and Beyond

Subject: SPANISH  
Catalog Number: 308S  
Title: Latinx Voices in Duke, Durham, and Beyond

Description: Construction of Latinx identity(ies) and formation of community voices through the lens of cultural, political, and social issues at local and national level. Assessment on knowledge of content, oral and written Spanish. Includes service-learning component. Recommended students take 300-level Spanish course prior to enrolling.

SPANISH309S - Spanish in the U.S.

Subject: SPANISH  
Catalog Number: 309S  
Title: Spanish in the U.S.

Description: Focus on linguistic development and current presence of Spanish in the United States. Students will develop linguistic and critical awareness about the relationship between Spanish language and society, with special emphasis on topics such as language variety, language contact from a social, political and educational perspective, types of bilingualism, sociolinguistic issues, migration patterns and settlements, etc. Readings in English and in Spanish with class discussion in Spanish. Previous 300-level Spanish work strongly recommended, or bilingual or nearly bilingual proficiency in Spanish.
SPANISH310 - Translating Spanish-English and English-Spanish

**Subject**: SPANISH  
**Catalog Number**: 310  
**Title**: Translating Spanish-English and English-Spanish

**Description**
Introduction to theories of translation and practice translating Spanish to English and English to Spanish. Students explore key ethical concerns related to translation and interpretation, negotiate translation of cultural references, and give each other feedback on translation drafts and editing. Products created individually or in collaboration include ads, comics, articles, subtitling and dubbing, and reflections on the translation process. This is a community-engaged course. Engagement may include project-based service with community partners among other engaged practices. Prerequisite: 300-level Spanish course or equivalent. Consent of instructor is required.

SPANISH313 - Bridging Cultures: Latino Lives and Experiences in NC

**Subject**: SPANISH  
**Catalog Number**: 313  
**Title**: Bridging Cultures: Latino Lives and Experiences in NC

**Description**
Exploration of key issues surrounding Latino communities in Durham and beyond, focusing on issues of culture and immigration, health, education, economy. Course includes a minimum of 15 hours of service-learning with a local organization, plus other out-of-class and weekend community trips. Projects promote the development of intercultural competence, as well as facilitate opportunities for building bridges with the local community. Assessment based on knowledge of content, oral and written Spanish, and community engagement. Previous 300-level course is recommended before taking this class. Minimum requirement: Spanish 204 or equivalent.

SPANISH314A - Aproximaciones a la Gastronomía de España: Política, Sociedad y Cultura

**Subject**: SPANISH  
**Catalog Number**: 314A  
**Title**: Aproximaciones a la Gastronomía de España: Política, Sociedad y Cultura

**Description**
This Duke in Madrid intensive course builds on the elements of the language acquired in Spanish 101 through 203, combining advanced intermediate Spanish (Spanish 204) and advanced 300-level Spanish. Further development of the four language skills: listening, speaking, reading and writing. Expanding range and sophistication of grammar usage and vocabulary. Exposure to Spanish-speaking cultures. Work with comprehension and production of texts of greater extension and complexity. Satisfies one course requirement for Spanish majors or minors. Instructor consent required. Recommended prerequisite: Spanish 203 or equivalent.

SPANISH315A - Language and Culture of Entrepreneurship in Latin America

**Subject**: SPANISH  
**Catalog Number**: 315A  
**Title**: Language and Culture of Entrepreneurship in Latin America

**Description**
This Duke in Chile course focuses on learning culture through social and for-profit entrepreneurship in Latin America, with an aim at developing proficiency in Spanish through linguistic, social, and cultural immersion through interactions with the entrepreneurial community. Course builds on elements of the language acquired in Spanish 101 - 203, providing continued development of listening, speaking, reading and writing skills; improving range and sophistication of grammar usage and vocabulary. Students complete the equivalent of Spanish 204 and Spanish 303. Satisfies one course requirement for Spanish majors or minors. Prerequisite: Spanish 203 or equivalent. Instructor consent required.
SPANISH316S - Global Humanities in Spanish

Subject: SPANISH
Catalog Number: 316S
Title: Global Humanities in Spanish

Description:
For students with advanced or native Spanish, a gateway to the Spanish major focusing on global humanities in Spanish. Key humanistic contributions in peninsular, Latin American, and Latinx contexts, as organized around comparative themes, regions, and eras. From colonial/indigenous encounter to border studies, Cervantes to José Martí and Rosario Castellanos to Sandra Cisneros, political economy to food studies, and natural history to decolonial arts and literatures. Novels, films, poems, and paintings, as well as critical and historical writing—in digestible bites. Frequent, diverse writing assignments and group work. A foundation for lifelong cultural navigation/enrichment in Spanish. Recommended prerequisite: native speaker status, AP Spanish exam score of 5, or other advanced Spanish training.

SPANISH327S - Spanish Studies Seminar

Subject: SPANISH
Catalog Number: 327S
Title: Spanish Studies Seminar

Description:
Selected readings on topics concerning the different national literatures of Spain and Latin America. Open only to first years and sophomores; summer sessions may waive this restriction (check DukeHub to confirm). May be repeated if a different topic. Recommended prerequisite: Spanish 204 or AP score of 5 on Spanish Language exam, or SATII score of 660+, or other equivalent experience.

SPANISH331S - Introduction to Literature, Film, and Popular Culture

Subject: SPANISH
Catalog Number: 331S
Title: Introduction to Literature, Film, and Popular Culture

Description:
Introduction to a wide variety of texts from both Spain and Latin America, with emphasis on how they can mean different things to different readers. Course develops student skills in reading, writing, and speaking, and emphasizes personal approaches to readings. Recommended prerequisite: Spanish 301, or AP score of 5 on Spanish Language exam, or SATII score of 660+, or other equivalent experience. Students who have taken more than one course above 331S should not take this course.

SPANISH332 - Introduction to Spanish Literature I

Subject: SPANISH
Catalog Number: 332
Title: Introduction to Spanish Literature I

Description:
Major writers of the Spanish literary tradition and the historical contexts from which they emerged: Middle Ages through the seventeenth century. Poetry, fiction, theater and essay and historical readings and film. Includes attention to Judaic and Islamic civilizations and expression in medieval Spain. Prerequisite: Spanish 301, 331S, or AP Spanish Literature score of 5.
### SPANISH333 - Introduction to Literature and the Visual Arts

**Subject**  |  **Catalog Number** |  **Title**  
--- | --- | ---
SPANISH | 333 | Introduction to Literature and the Visual Arts

**Description**
Survey of literature and painting in Spain from the mid-17th to the late 20th c., taking as an entry point the work of Velázquez, Goya, Picasso and Maruja Mallo as well as painters and writers from the Generation of 1898. Besides studying comparatively literary and pictorial texts, students will view major historical films that depict and interpret the lives and times of the artists just mentioned. Recurring themes include minority identities, women’s rights, socio-economic exclusion and various forms of protest in addition to such community-making performances as religious worship, popular festivals and public spectacles. Prerequisite: Spanish 301, 331S, or AP Spanish Literature score of 5.

### SPANISH333A - Literature and the Arts in Modern Spain

**Subject**  |  **Catalog Number** |  **Title**  
--- | --- | ---
SPANISH | 333A | Literature and the Arts in Modern Spain

**Description**
Literature is one of the many genres and media artists have used to capture on-going transformations in our ways of looking at reality. This course will focus on the dialogue that exists between literature, painting, and film. Offered through the Duke in Spain program. Prerequisite: Spanish 204 or equivalent.

### SPANISH334 - Introduction to Spanish-American Literature: 16th - 18th C.

**Subject**  |  **Catalog Number** |  **Title**  
--- | --- | ---
SPANISH | 334 | Introduction to Spanish-American Literature: 16th - 18th C.

**Description**
A survey of major writers and movements from the periods of discovery to conquest, colonial rule, and early independence. Includes works by native Indian, ‘mestizo’, and women writers. Prerequisite: Spanish 301, 331S, or AP Spanish Literature score of 5.

### SPANISH335 - Introduction to Spanish-American Literature: 19th - 21st C.

**Subject**  |  **Catalog Number** |  **Title**  
--- | --- | ---
SPANISH | 335 | Introduction to Spanish-American Literature: 19th - 21st C.

**Description**
A survey from Independence to the Contemporary period. Prerequisite: Spanish 301, 331S, or AP Spanish Language score of 5 or AP Spanish Literature score of 4 or 5.

### SPANISH336 - Introduction to US Latino/a Literature

**Subject**  |  **Catalog Number** |  **Title**  
--- | --- | ---
SPANISH | 336 | Introduction to US Latino/a Literature

**Description**
Survey of US Latino/a Literature from 1960s to present. Examines formation of a Latino/a literary canon, its heterogeneous voices and imaginations, thematic strands, historical and political contexts, theoretical approaches, establishing critical overview of the range of nationalities, communities, identifications, and practices falling under the Latino/a designation. Explores how Latina and Latino identities have been envisioned and manifested since the Civil Rights Movement, and how Latina- or Latino-specific cultural production continues in dialogue with US multiracial landscape. Not open to students who have taken Spanish 336A. In English; does not satisfy Trinity FL requirement.

### SPANISH336A - Introduction to LatinX Literature

**Subject**  |  **Catalog Number** |  **Title**  
--- | --- | ---
SPANISH | 336A | Introduction to LatinX Literature

**Description**
An introduction to contemporary LatinX literary production, alongside its heterogeneous voices and creative imaginations. The formation of a Latino/a/X literary canon, its thematic strands, cultural connections, historical and political contexts, theoretical approaches, and circulation in the U.S. world and beyond, exploring the makings of ‘the culture of prestige’—attending to considerations like what produces cultural capital, the marketplace of prizes, and visibility and artistic achievement. A critical and resourceful overview of the range of nationalities, communities, locations, identifications, and practices. Not open to students who have taken Spanish 336. Taught at Duke in Madrid.
SPANISH338S - Race and Memory in the Americas

**Description**
This course confronts this relationship between memory and narrative and their role in addressing the trauma of colonization and the slave trade in its many iterations within Latino, Latin American and at times West African literature. Often pairing the readings with prominent UNESCO-sponsored memorials or other landmarks, this course endeavors to have students question how a transnational Americas remembers itself through narrative and memorialization, despite colonization, imperialism, neoliberalism, and heteronormative hegemonies. Taught in Spanish.

SPANISH339 - El cine político en américa Latina

**Description**
Examines question of political cinema through Latin American works from 1960s to present, including examples from 'New Latin American Cinema', with special focus on Brazil and Cuba. Emblematic films, manifestos and critical texts will define and contextualize alternate conceptions of 'political' cinema. Examination of modes of production and distribution of 'guerrilla' films; politics of film language inspiring experimentation of avant-garde aesthetics in fictional and documentary works; relationship between cinema and political memory; politics of gender, race, and sexual orientation; representations of social problems, including contemporary blockbuster thrillers. Conducted in Spanish.

SPANISH342 - Social Movements and Social Problems in Contemporary Spain

**Description**
Course offers a critical, comprehensive and panoramic approach to the study of fundamental social problems of contemporary Spanish society (inequalities, marginalization and exclusion, social risks, unemployment, housing, education, economic and political crisis, gender equality, etc.) that affect its various institutions (family, work, city, State, etc.). The approach will be twofold: on one hand, it will be carried out from a Sociology and Applied Anthropology theoretical perspective; on the other, it will familiarize students with the point of view of the citizens’ movements with regular encounters with activists and leaders of these organizations.

SPANISH342A - Social Movements and Social Problems in Contemporary Spain

**Description**
Course offers a critical, comprehensive and panoramic approach to the study of fundamental social problems of contemporary Spanish society (inequalities, marginalization and exclusion, social risks, unemployment, housing, education, economic and political crisis, gender equality, etc.) that affect its various institutions (family, work, city, State, etc.). The approach will be twofold: on one hand, it will be carried out from a Sociology and Applied Anthropology theoretical perspective; on the other, it will familiarize students with the point of view of the citizens’ movements with regular encounters with activists and leaders of these organizations. Offered through Duke in Madrid program.
SPANISH343A - Decentering Spanish Otherness: Visual Culture and Coloniality in Contemporary Spain

Subject: SPANISH  
Catalog Number: 343A  
Title: Decentering Spanish Otherness: Visual Culture and Coloniality in Contemporary Spain

Description
This course proposes the study of visual culture in Spain from the nineteenth century to the present day from decolonial and postcolonial perspectives. It will analyze the history and cultural legacies of Spanish colonialism through photography, film, illustration and art from a transdisciplinary point of view, with special emphasis on cultural studies, visual studies and visual anthropology. Offered through Duke in Madrid program.

SPANISH344A - The Ecological Side of Spain: How the Climate, Biology and Territory Define Our Society

Subject: SPANISH  
Catalog Number: 344A  
Title: The Ecological Side of Spain: How the Climate, Biology and Territory Define Our Society

Description
This Duke in Madrid course aims to give a perspective that combines geography, biology, anthropology, and sociology in a joint vision of Spain as a natural space, and how this configuration is reflected in diverse creative environments: the cinema, literature, photography, or art from both past and present. Ecology, territory, the rural world, primary economic activity, and nature will guide us in our journey that, acknowledging Spain’s biogeographical and climatic plurality, will take us from the paleolithic paintings in northwest Cantabria and their intimacy with nature to diverse stops in the Spanish context and the interaction of these stops with the environment and society.

SPANISH345A - Mobility, Health and Healthcare Systems

Subject: SPANISH  
Catalog Number: 345A  
Title: Mobility, Health and Healthcare Systems

Description
This Duke in Madrid course reflects on the relation among health as a collective process, with healthcare systems as one element of a whole ecology of care, where global and urban structures determine both people’s health and the organization of healthcare systems. Drawing on contemporary situations (pre-covid, covid, and post-covid) and diverse contexts (primarily European, but also North American and Latin American), we will explore the social components of health and how inequality (class, race, gender) affects the health of individuals and groups of population by exploring the role of the state, the market, and other actors (humanitarian, activist actors) in health provision.

SPANISH373S - The Spanish Civil War and its Effects Today: History, Literature, Film

Subject: SPANISH  
Catalog Number: 373S  
Title: The Spanish Civil War and its Effects Today: History, Literature, Film

Description
Spanish Civil War of 1936-39 through literary and historical readings, art, music, and film. Special attention given to values held by supporters of each side, and how they put them into practice during and after the war. Consideration of American volunteers who fought fascism in Spain. Emphasis on human rights violations, and how they still affect Spain today. Taught in Spanish. Not open to students who have taken Spanish 431S or Human Rights 431S. Recommended prerequisite: Spanish 331S or Spanish 316S, or higher, or permission of instructor.
## SPANISH380S - Political Cinema in Latin America

**Description**
What counts as 'political cinema'? What are the possible relations between cinema and politics, particularly in Latin America? How can cinema not only comment on political issues but also perform politics through practices of production and aesthetic choices that are germane to film as a cultural form? This course explores these and related questions through a survey of landmark Latin American works from the mid-twentieth century to the present. Taught in Spanish.

## SPANISH390 - Topics in Spanish Studies

**Description**
Topics in Spanish literature and culture to be announced.

## SPANISH390-4 - Topics in Hispanic Civilization

**Description**
A humanistic, cross-cultural study of Spain or Spanish America through history, culture, people, and institutions. Topics may vary.

## SPANISH390A - Duke-Administered Study Abroad: Advanced Special Topics

**Description**
Topics differ by section.

## SPANISH390A-1 - Advanced Spanish Language Abroad

**Description**
Topics may vary.

## SPANISH390P - Topics in Spanish: Preceptorial

**Description**
A preceptorial, in Spanish, requiring concurrent enrollment in Spanish 390. Further information available from instructor.

## SPANISH390S - Special Topics in Spanish Studies

**Description**
Topics in Spanish literature and culture to be announced. Topics vary by semester.

## SPANISH393 - Research Independent Study

**Description**
Individual research in a field of special interest, under the supervision of a faculty member, resulting in a substantive paper or written report containing significant analysis and interpretation of a previously approved topic. Open only to qualified juniors by consent of instructor and director of undergraduate studies.
SPANISH394 - Research Independent Study

Subject: SPANISH
Catalog Number: 394
Title: Research Independent Study

Description:
See Spanish 393. Open only to qualified juniors by consent of instructor and director of undergraduate studies.

SPANISH409S - Identity and Linguistic Rights in the Spanish Speaking Americas

Subject: SPANISH
Catalog Number: 409S
Title: Identity and Linguistic Rights in the Spanish Speaking Americas

Description:
This course focuses on linguistic justice and linguistic rights in interaction with other human rights. The class explores concepts of language, power, linguistic discrimination, and raciolinguistics in the context of bilingualism/multilingualism, indigenous languages, and endangered languages. We will examine how language is used to shape and negotiate identities, and how it reflects and sustains social realities and situations of social inequality. Methodologically, we will use linguistic and sociolinguistic analysis and elements of critical discourse analysis.

SPANISH410 - Suspicious Truths and Alternative Realities: Spanish Literature of the Renaissance and the Baroque

Subject: SPANISH
Catalog Number: 410
Title: Suspicious Truths and Alternative Realities: Spanish Literature of the Renaissance and the Baroque

Description:
Concerns about discerning certainty and facts from misinformation and delusion explored in all sorts of intellectual pursuits from literature and the visual arts to science, politics, and economics across Spain and the Americas during the 16th and 17th centuries. A guided tour of key works and major questions in conversation with contemporary observations about deception and disinformation. Prerequisite: Spanish 332, 333, 334 or 335.

SPANISH411 - Golden Age Literature: Cervantes

Subject: SPANISH
Catalog Number: 411
Title: Golden Age Literature: Cervantes

Description:
Includes reading either selected works by Cervantes (dramas, novellas, and part of Don Quixote) or the Quixote in its entirety. Attention to the Roman and/or Arab conquests of Spain, Spanish relations with Algeria, England, Italy, and the Americas, the obsession with 'limpieza de sangre' and the fate of Spain's 'morisco' population. Prerequisite: Spanish 332, 333, 334 or 335.
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<tr>
<td>SPANISH</td>
<td>412S</td>
<td>Mayas, Aztecs, and Incas: The World According to the Indigenous People of Latin America</td>
<td>The basic philosophical architecture of the three great civilizations of America; Maya, Aztec and Inca civilizations. Links the current indigenous revival in the Andes (Bolivia and Ecuador) and in the South of Mexico and Guatemala with the survival of their historical legacies.</td>
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<tr>
<td>SPANISH</td>
<td>414A</td>
<td>Urban Fiction and Collective Imagination: Madrid Through Literature and Film</td>
<td>This Duke in Madrid course offers a panoramic look at some of the most important, contemporary artistic and cultural expressions and how they represent Madrid. While looking at historical, social and artistic contexts, we will spend time reflecting and engaging in debates about issues that have been shaping the dynamics of modern cities such as multiculturalism, migration and the role of women. Also, we will look for a way to position Madrid in the face of global questions about Hispanic culture and how it is perceived in other countries.</td>
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<tr>
<td>SPANISH</td>
<td>416A</td>
<td>Cultural Lab: Walk, Think, Experiment Now</td>
<td>This Duke in Madrid course parts from the present, from what is happening culture-wise today, to offer a wider perspective on cultural systems and creative processes in our recent history. Most class sessions will take place outside the classroom and will have a participative character. One of the central concepts of this course is transversality, which allows the student to organize more dynamic and active comprehension networks than what is usually offered by courses in this field of study. Nevertheless, students will always have a base point to focus their direction of study related to the modules within the course: art, literature, architecture, politics, creation, theatre, technology.</td>
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<tr>
<td>SPANISH</td>
<td>417S</td>
<td>Art &amp; Democracy: Madrid/Barcelona/Valencia/Bilbao</td>
<td>Beyond the poster, mural and graffiti, was there a painterly art in the pre-digital age that found a fitting place on the street and the square, the citizen venues where direct democracy and the people’s rights first emerged? Is there an ethically responsive and socially responsible praxis which may yield visual works of enduring value without sacrificing the humanistic imperative of communicability? Since the 1950s such questions concerned Spanish artists in all styles (Tapies, Genoves, Ibarrola, Equipo Cronica). Like Goya before them, these painters tried to help their society transition from political tyranny to more inclusive forms of participation. Prerequisite: Advanced reading knowledge of Spanish.</td>
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SPANISH418A - The Return of the Collective (Psychosocial Approach Contemporary Spain) Theatre, Culture, & Identity

Subject: SPANISH
Catalog Number: 418A
Title: The Return of the Collective (Psychosocial Approach Contemporary Spain) Theatre, Culture, & Identity

Description:
The hasty transformation experienced by Spanish society the last 40+ years demands questioning the processes involved in its changing identities. This course delves into the economic, cultural, and linguistic circumstances that shaped the portrait of current Spain. By looking into contemporary theatrical production, we will consider causes, motivations, and consequences of the emergence of new subjectivities linked to the coming of democracy. To reach a better understanding of these new ways of thinking, sentimentalities, and behaviors operating in today's Spain, special attention will be paid to the social conditionings involved in the shaping of identities. Taught at Duke in Madrid.

SPANISH419 - Spanish Cinema from the Transition to the Present

Subject: SPANISH
Catalog Number: 419
Title: Spanish Cinema from the Transition to the Present

Description:
Overview of Spanish cinema, from transition to our present days. Having undergone dramatic transformation in past years, Spanish film offers privileged area to study main features, novelties, contradictions, and tensions. Analyzes two chronological phases: the mid 70s to late 80s, characterized by intense cinematic negotiation with immediate past that unveils cracks and violations of normalizing erasure proposed from the political institutions; and the 90s until the present, a period marked by Spanish film's entrance in the global market, with its identitarian reassessment and emphasis in new pressing issues such as immigration, memory, and gender violence.

SPANISH419A - Spanish Cinema from the Transition to the Present

Subject: SPANISH
Catalog Number: 419A
Title: Spanish Cinema from the Transition to the Present

Description:
Overview of Spanish cinema, from transition to our present days. Having undergone dramatic transformation in past years, Spanish film offers privileged area to study main features, novelties, contradictions, and tensions. Analyzes two chronological phases: the mid 70s to late 80s, characterized by intense cinematic negotiation with immediate past that unveils cracks and violations of normalizing erasure proposed from the political institutions; and the 90s until the present, a period marked by Spanish film's entrance in the global market, with its identitarian reassessment and emphasis in new pressing issues such as immigration, memory, and gender violence. Offered through Duke in Madrid program.

SPANISH420 - Poéticas de aquí y de allá / Thinking Language: Poetics from Here and There

Subject: SPANISH
Catalog Number: 420
Title: Poéticas de aquí y de allá / Thinking Language: Poetics from Here and There

Description:
An overview of current Spanish and Transatlantic poetry, with special attention to poetics (i.e. how poetry thinks the world while it thinks itself). Following critical interventions of authors like Gertrude Stein or Octavio Paz, and poems and reflections of contemporary authors like Antonio Gamoneda, Olvido García Valdés, or Eduardo Milán, course considers theoretical issues such as subjectivity, poetry's relation to thought, its formal, or the question about reality. Also explores the possibilities of language to serve as a powerful tool of resistance and memory. Students will have the opportunity to meet and converse with some of these poets.
**SPANISH420A - Poéticas de aquí y de allá / Thinking Language: Poetics from Here and There**

**Description**
An overview of current Spanish and Transatlantic poetry, with special attention to poetics (i.e. how poetry thinks the world while it thinks itself). Following critical interventions of authors like Gertrude Stein or Octavio Paz, and poems and reflections of contemporary authors like Antonio Gamoneda, Olvido García Valdés, or Eduardo Milán, course considers theoretical issues such as subjectivity, poetry’s relation to thought, its formal, or the question about reality. Also explores the possibilities of language to serve as a powerful tool of resistance and memory. Students will have the opportunity to meet and converse with some of these poets. Offered through Duke in Madrid program.

**SPANISH431S - The Spanish Civil War: History, Literature, and Popular Culture**

**Description**
The Spanish Civil War of 1936-39 through literary and historical readings, art, music, and film. Special attention given to values held by supporters of each side, and how they put them into practice during and after the war. Consideration of international volunteers who fought in Spain for their own deeply-held values. Research paper and presentation required. Taught in Spanish. Not open to students who have taken Spanish 373S, History 273S-1, or Human Rights 373S. Recommended prerequisite: Spanish 331S or higher, or permission of instructor.

**SPANISH432S - Popular Culture and Political Repression in Spain and Latin America**

**Description**
Exploration of a significant body of Spanish and Latin American fiction produced under repressive political regimes. Course explores how fictional characters and real people use popular culture as a coping mechanism in societies which impose severe political and social limitations on acceptable behavior. Also address uses of popular culture in democratic contexts including the US and draw comparisons to its uses under dictatorship. Authors include Cervantes, Galdós, Borges, Marsé, and Puig.

**SPANISH433S - Photography in the Americas: War, Tourism, Art, and Protest**

**Description**
Since it emerged in the 19th century until today, the camera has framed our way of seeing and understanding the world. In this course, students accompany the camera in its path through major events in the Americas—North, South, and Central—and examine the profound connections between them. We discuss photography as a weapon of war, a souvenir for tourists, an instrument of protest, an illustration of history, a journalistic and ethnographic tool, and an artistic medium. Key developments in photographic processes, from half tone printing to digital imaging, offer opportunities to reflect on the relationship between visual culture and technology, and art and politics. Taught in Spanish.
### SPANISH434S - Capitalism in the Modern City: Men, Women and Money in 19th- and 21st-Century Madrid

**Subject**  
SPANISH  
**Catalog Number**  
434S  
**Title**  
Capitalism in the Modern City: Men, Women and Money in 19th- and 21st-Century Madrid  

**Description**  
Exploration of the new culture of nineteenth-century Madrid as a modern city, with its crowds, cafés and shop windows, and how capitalism radically changed relationships, between human beings in general, and between men and women in particular. Course concludes with a look at the crisis of capitalism that began in 2008. Authors include Larra, Galdós, Pardo Bazán, Muñoz Molina, and others. Prerequisite: one Spanish course above Spanish 331S.

### SPANISH437S - Atlantic Constellations: Migration, Exile, Second Slavery

**Subject**  
SPANISH  
**Catalog Number**  
437S  
**Title**  
Atlantic Constellations: Migration, Exile, Second Slavery  

**Description**  
This seminar explores the collective identities of Afro-descendant slaves in the Americas as well as migrant and exiled Spaniards away from the homeland. We will consider three main themes: 1) chattel or second slavery in Cuba, and, secondarily, in the U.S. and/or Brazil; 2) Ibero-Atlantic diasporas since the mid-nineteenth century, including so-called white slavery; and 3) the career of María Zambrano, an expatriate intellectual who turned her banishment from Spain in 1939 into the enabling condition of her radical revision of Western philosophy and the ethics of exile. Prerequisite: 300-level or above Spanish course that meets foreign language (FL) requirement.

### SPANISH438SA - Global Madrid

**Subject**  
SPANISH  
**Catalog Number**  
438SA  
**Title**  
Global Madrid  

**Description**  
Focusing on Madrid’s porous LatinX landscape, this course draws comparative perspectives across countries and cultures. Madrid’s demographic growth, at least since the late-1980s, includes migrants from Bolivia, Colombia, the Dominican Republic, Ecuador, Honduras, Paraguay, Peru, and Venezuela. Rather than drawing clear-cut ‘authenticating’ distinctions between LatinX and ‘the rest,’ this seminar places LatinX—LatinX—–in dialogue with the Iberian Peninsula and Spanish-speaking ‘communities’ alongside sociocultural imaginaries that enmesh Spaniards, Latin Americans, Latino/a/Xs, and beyond. Taught at Duke in Madrid.

### SPANISH439SA - Global Spain

**Subject**  
SPANISH  
**Catalog Number**  
439SA  
**Title**  
Global Spain  

**Description**  
This Duke in Spain course draws from comparative perspectives across countries and cultures. It links Madrid’s socio-cultural turning points vis-à-vis national and international migration to other geographies where Spanish is spoken. Forming a nexus with broader Spanish-language mobile circuits—as evinced, for example, through U.S. Latino/a/x populations—this seminar explores the Spanish capital as a global urban epicenter and primary destination site for migrants from Africa, the Americas, Europe, and Asia. Prerequisite: Spanish 204 or equivalent.

### SPANISH441A - Spain: Cultural Studies

**Subject**  
SPANISH  
**Catalog Number**  
441A  
**Title**  
Spain: Cultural Studies  

**Description**  
Intensive course. Selected linguistic, literary, social, and political issues. Discussions on the role of the regional autonomies and the place of Spain within the European Union. (Taught in the Duke-in-Madrid and Duke-in-Spain Programs.)

### SPANISH441S - Spain: Cultural Studies

**Subject**  
SPANISH  
**Catalog Number**  
441S  
**Title**  
Spain: Cultural Studies  

**Description**  
Selected linguistic, literary, social, and political issues. The selection of topics varies depending on the semester. Examples of previous topics include: ‘Spanish Exile and Exiles,’ ‘A History of Violence in Recent Literature and Cinema,’ and ‘The Crisis: Between Indignation and Hope.’
**SPANISH442S - Jorge Luis Borges and Literary Representation in the Contemporary World**

**Description**
This course examines the literary works by Argentinean author Jorge Luis Borges, considered one of the most important and influential writers of the 20th century. While early interpretations of Borges' work emphasized its aestheticism and the philosophical nature of his literary practice, more recent critics focus on its dialogue with a tradition of ethical and political thought dealing with issues of justice and the law, political representation and theology. We will read major works by Borges, as well as other major literary works from Argentina, representative works from 'high modernism', among others. Prerequisite: Spanish 333 or above, or instructor consent.

**SPANISH443S - Spanish American Novel**

**Description**
The course will introduce students to the analysis of Spanish American novels from the second part of the twentieth century to the twenty-first century. We will study the works by Spanish American authors that responded to the crisis induced by capitalist development and dictatorship, colonialism, expropriation, and extractionism, white supremacism and patriarchalism, and how they explore and push the discursive limits of national sovereignty and capitalism and how they imposed their order upon living and non-living beings in the Americas. The course also explores how these novels respond to ecological crisis and the anthropocene, from a racial, gendered and trans-gendered perspective.

**SPANISH490 - Spain: Special Topics**

**Description**
A special topics course on various aspects of Spanish art, cinema, painting, drama, and literature. Topics to be announced.

**SPANISH490A - Spain: Special Topics Abroad**

**Description**
A special topics course on various aspects of Spanish art, cinema, painting, drama, and literature. Topics to be announced. (Taught in Duke-in-Madrid program).

**SPANISH490A-1 - Advanced Special Topics Abroad**

**Description**
A two credit special topics course on various aspects of Spanish art, cinema, painting, drama, and literature. Topics to be announced.

**SPANISH490S - Spanish Literature**

**Description**
Various aspects of the literatures of Spain and Spanish America with a cross-cultural perspective. Specific topics to be announced. Prerequisite: Spanish 332, 333, 334 or 335.
SPANISH490S-2 - Special Topics in US Latina/o Literatures and Cultural Studies

Subject
SPANISH
Catalog Number
490S-2
Title
Special Topics in US Latina/o Literatures and Cultural Studies

Description
Special topics in United States Latina/o literatures and cultural studies. Topics to be announced. Open to juniors and seniors. Counts towards the Spanish major but can only be counted once toward the core course requirement; subsequent courses would count as related courses. Counts only once for the minor. Taught in English.

SPANISH493 - Research Independent Study

Subject
SPANISH
Catalog Number
493
Title
Research Independent Study

Description
See Spanish 393. Open only to qualified seniors by consent of instructor and director of undergraduate studies.

SPANISH494 - Research Independent Study

Subject
SPANISH
Catalog Number
494
Title
Research Independent Study

Description
See Spanish 393. Open only to qualified seniors by consent of instructor and director of undergraduate studies.

SPANISH496 - Honors Thesis

Subject
SPANISH
Catalog Number
496
Title
Honors Thesis

Description
Directed research and writing of honors thesis. Open only to qualified seniors pursuing the Graduation with Distinction track by consent of instructor and director of undergraduate studies.

SPANISH89S - First-Year Seminar in Spanish

Subject
SPANISH
Catalog Number
89S
Title
First-Year Seminar in Spanish

Description
Seminar for first-year undergraduates with the desire and ability to take courses in literature, history, culture, art, cinema, or drama in Spanish at the 300-level. Topics vary each semester offered. For students thinking about majoring or minoring in the language, counts towards both. Prerequisite: SAT II score 660 or above, AP Language score of 5, or Literature score of 4 or 5. Heritage speakers or students who did high school work in Spanish encouraged to enroll after consulting with instructor.

SPANISH92A - Culture and Language in Costa Rica

Subject
SPANISH
Catalog Number
92A
Title
Culture and Language in Costa Rica

Description
Everyday culture in Costa Rica with attention to environmental topics and issues. Taught at Duke Global Education Office programs in Costa Rica.
STA101L - Data Analysis and Statistical Inference

Subject: STA
Catalog Number: 101L
Title: Data Analysis and Statistical Inference

Description: Introduction to statistics as a science of understanding and analyzing data. Themes include data collection, exploratory analysis, inference, and modeling. Focus on principles underlying quantitative research in social sciences, humanities, and public policy. Research projects teach the process of scientific discovery and synthesis and critical evaluation of research and statistical arguments. Readings give perspective on why in 1950, S. Wilks said, 'Statistical thinking will one day be as necessary a qualification for efficient citizenship as the ability to read and write.' See department website for placement information. Not open to students who have taken Statistical Science 100 or above.

STA101LA - Data Analysis and Statistical Inference

Subject: STA
Catalog Number: 101LA
Title: Data Analysis and Statistical Inference

Description: Introduction to statistics as a science of understanding and analyzing data. Themes include data collection, exploratory analysis, inference, and modeling. Focus on principles underlying quantitative research in social sciences, humanities, and public policy. Research projects teach the process of scientific discovery and synthesis and critical evaluation of research and statistical arguments. Readings give perspective on why in 1950, S. Wilks said 'Statistical thinking will one day be as necessary a qualification for efficient citizenship as the ability to read and write.' See department website for placement information. Not open to students with credit for Statistical Science 102 or higher. Taught in Beaufort at Duke Marine Lab.

STA102L - Introductory Biostatistics

Subject: STA
Catalog Number: 102L
Title: Introductory Biostatistics

Description: Reading and interpretation of statistical analysis from life and health sciences. Topics include: basic concepts and tools of probability, estimation, inference, decisions analysis, and modeling. Emphasizes role of biostatistics in modern society. See department website for placement information. Not open to students who have taken Statistical Science 100 or above.

STA102LA - Introduction to Biostatistics

Subject: STA
Catalog Number: 102LA
Title: Introduction to Biostatistics

Description: Reading and interpretation of statistical analysis from life and health sciences. Topics include: basic concepts and tools of probability, estimation, inference, decisions analysis, and modeling. Emphasizes role of biostatistics in modern society. Taught in Beaufort at Duke Marine Lab. See department website for placement information. Not open to students who have taken Statistical Science 100 or above.

STA110FS - Focus Program - Introductory Special Topics in Statistics

Subject: STA
Catalog Number: 110FS
Title: Focus Program - Introductory Special Topics in Statistics

Description: In this course, students will learn about statistical modeling, with primary emphasis on developing critical thinking skills. Topics vary, but we often cover statistical genetics, agent-based modeling, Shannon's theory of communication, game theory, and mathematical models for epidemics. After completing this course, students will be able to design and analyze basic statistical studies, to understand and criticize statistical methods in journals and the media, and to appreciate the power and utility of statistical thinking. Examples and methods are drawn primarily from the behavioral, natural, and social sciences and public policy.

STA111L - Probability and Statistical Inference

Subject: STA
Catalog Number: 111L
Title: Probability and Statistical Inference

Description: Basic laws of probability—random events, independence and dependence, expectations, Bayes theorem. Discrete and continuous random variables, density, and distribution functions. Binomial and normal models for observational data. Introduction to maximum likelihood estimation and Bayesian inference. One- and two-sample mean problems, simple linear regression, multiple linear regression with two explanatory variables. Applications in economics, quantitative social sciences, and natural sciences emphasized. Not open to students who have taken 100-level or higher Statistical Science course. Recommended prerequisite: Mathematics 21 or equivalent.
STA112FS - Better Living Through Data Science: Exploration and Predictive Modeling

**Subject**  
STA

**Catalog Number**  
112FS

**Title**  
Better Living Through Data Science: Exploration and Predictive Modeling

**Description**  
Combines techniques from statistics, math, computer science, and social sciences, to learn how to use data to understand natural phenomena, explore patterns, model outcomes, and make predictions. Case studies include examples from election forecasts, movie reviews, and online dating match algorithms. Discussions around reproducibility, data sharing, data privacy will accompany these case studies. Gain experience in data wrangling and munging, exploratory data analysis, predictive modeling, and data visualization, and effective communication of results. Course will focus on R statistical computing language. No computing background necessary. Open only to students in the Focus Program. Prerequisite: Mathematics 21.

STA113FS - Visualizing Data

**Subject**  
STA

**Catalog Number**  
113FS

**Title**  
Visualizing Data

**Description**  
This class will teach you how to use modern data science tools to visualize data and, through the lens of visualization, it will introduce you to programming and data science concepts and workflows. Working with data on issues of local, national, and global societal importance, we will learn to create elegant, insightful, and impactful data visualizations through iterative and reproducible processes. We will also discuss the role of visualization in exploratory data analyses as well as in communicating the results of statistical inference and modeling. The course will focus on the R statistical computing language. No statistical or computing background is necessary.

STA115FS - Mathematics of Data Science

**Subject**  
STA

**Catalog Number**  
115FS

**Title**  
Mathematics of Data Science

**Description**  
Introduction to the mathematics and algorithms that are central to a variety of data science applications. Basic mathematical concepts underlying popular data science algorithms will be introduced and students will write code implementing these algorithms. We will discuss the impact of these algorithms on society and ethical implications. Algorithms examined include: Google’s pagerank, principal component analysis for visualizing high dimensional data, hidden Markov models for speech recognition, and classifiers detecting spam emails. Linear algebra and basic probability will be the mathematical focus and there will be a programming component to this class using the R programming language. Open only to students in the Focus Program. Department consent required.

STA130L - Probability and Statistics in Engineering

**Subject**  
STA

**Catalog Number**  
130L

**Title**  
Probability and Statistics in Engineering

**Description**  
Introduction to probability, independence, conditional independence, and Bayes' theorem. Discrete and continuous, univariate and multivariate distributions. Linear and nonlinear transformations of random variables. Classical and Bayesian inference, decision theory, and comparison of hypotheses. Experimental design, statistical quality control, and other applications in engineering. Not open to students who have taken Statistical Science 111, 250D, or 611. Recommended prerequisite: Mathematics 212 or equivalent.
### STA198L - Introduction to Global Health Data Science

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<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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<tbody>
<tr>
<td>STA</td>
<td>198L</td>
<td>Introduction to Global Health Data Science</td>
</tr>
</tbody>
</table>

**Description**

Rigorous introduction to health data science using current applications in biomedical research, epidemiology, and health policy. Use modern statistical software to conduct reproducible data exploration, visualization, and analysis. Interpret and translate results for interdisciplinary researchers. Critically evaluate data-based claims, decisions, and policies. Includes exploratory data analysis, visualization, basics of probability and inference, predictive modeling and classification. This course focuses on the R computing language. No statistical or computing background is necessary. Not open to students who have taken a 100-level Statistical Science course, Statistical Science 210, or a Statistical Science course numbered 300 or above.

### STA198L-1 - Introduction to Health Data Science - Part 1

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<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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<tbody>
<tr>
<td>STA</td>
<td>198L-1</td>
<td>Introduction to Health Data Science - Part 1</td>
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</tbody>
</table>

**Description**

Rigorous introduction to health data science with applications in biomedical research, epidemiology, and health policy. Conduct reproducible data exploration, visualization, and analysis with R. Interpret and translate results for interdisciplinary researchers. Critically evaluate data-based claims, decisions, and policies. Includes exploratory data analysis, visualization, basics of probability and inference, predictive modeling, and classification. No statistical or computing background is necessary. Not open to students with credit for 100-level STA course, STA 210, or STA 300-level or above. This is a half-credit course, must complete STA 198L-1 AND 198L-2 to get curriculum codes.

### STA198L-2 - Introduction to Health Data Science - Part 2

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<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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<tbody>
<tr>
<td>STA</td>
<td>198L-2</td>
<td>Introduction to Health Data Science - Part 2</td>
</tr>
</tbody>
</table>

**Description**

Rigorous introduction to health data science with applications in biomedical research, epidemiology, and health policy. Conduct reproducible data exploration, visualization, and analysis with R. Interpret and translate results for interdisciplinary researchers. Critically evaluate data-based claims, decisions, and policies. Includes exploratory data analysis, visualization, basics of probability and inference, predictive modeling, and classification. No statistical or computing background is necessary. Not open to students with credit for 100-level STA course, STA 210, or STA 300-level or above. This is a half-credit course, must complete STA 198L-1 AND 198L-2 to get curriculum codes.

### STA199L - Introduction to Data Science and Statistical Thinking

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<th>Subject</th>
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<tbody>
<tr>
<td>STA</td>
<td>199L</td>
<td>Introduction to Data Science and Statistical Thinking</td>
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</table>

**Description**

Intro to data science and statistical thinking. Learn to explore, visualize, and analyze data to understand natural phenomena, investigate patterns, model outcomes, and make predictions, and do so in a reproducible and shareable manner. Gain experience in data wrangling and munging, exploratory data analysis, predictive modeling, and data visualization, and effective communication of results. Work on problems and case studies inspired by and based on real-world questions and data. The course will focus on the R statistical computing language. No statistical or computing background is necessary. Not open to students who have taken a 100-level Statistical Science course, Statistical Science 210, or a Statistical Science course numbered 300 or above.
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<th>Subject</th>
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<tr>
<td>STA</td>
<td>199L-1</td>
<td>STA199L-1 - Introduction to Data Science and Statistical Thinking - Part 1</td>
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<td>Description: Intro to data science and statistical thinking. Explore, visualize, and analyze data to understand natural phenomena, investigate patterns, model outcomes, and make predictions, and do so in a reproducible and shareable manner with R. Gain experience in data wrangling and munging, exploratory data analysis, predictive modeling, data visualization, and effective communication of results with problems and case studies based on real-world questions and data. No statistical or computing background is necessary. Not open to students with credit for 100-level STA course, STA 210, or STA 300-level or above. This is a half-credit course, must complete STA 199L-1 AND 199L-2 to get curriculum codes.</td>
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<td>199L-2</td>
<td>STA199L-2 - Introduction to Data Science and Statistical Thinking - Part 2</td>
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<td>Description: Intro to data science and statistical thinking. Explore, visualize, and analyze data to understand natural phenomena, investigate patterns, model outcomes, and make predictions, and do so in a reproducible and shareable manner with R. Gain experience in data wrangling and munging, exploratory data analysis, predictive modeling, data visualization, and effective communication of results with problems and case studies based on real-world questions and data. No statistical or computing background is necessary. Not open to students with credit for 100-level STA course, STA 210, or STA 300-level or above. This is a half-credit course, must complete STA 199L-1 AND 199L-2 to get curriculum codes.</td>
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<tr>
<td>STA</td>
<td>20</td>
<td>STA20 - General Statistics</td>
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<td>Description: Credit for Advanced Placement on the basis of College Board Examination in statistical science</td>
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<tr>
<td>STA</td>
<td>210L</td>
<td>STA210L - Regression Analysis</td>
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<td>Description: Extensive study of regression modeling. Multiple regression, weighted least squares, logistic regression, log-linear models, analysis of variance, model diagnostics, and selection. Emphasis on applications. Examples are drawn from a variety of fields. Prerequisite: 100-level STA course or STA 230, 231, or 240L. Interested students with different backgrounds should discuss and seek instructor consent.</td>
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<tr>
<td>STA</td>
<td>211</td>
<td>STA211 - The Mathematics of Regression</td>
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<td>Description: Introduction to mathematics underpinning linear regression and logistic regression. Estimation methods, including maximum likelihood and least squares estimation of regression parameters. Linear algebra in regression modeling. Prerequisite: Mathematics 216, 218, or 221; Prerequisite or Corequisite: Statistical Science 210.</td>
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<td>STA</td>
<td>230</td>
<td>STA230 - Probability</td>
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<td>Description: Probability models, random variables with discrete and continuous distributions. Independence, joint distributions, conditional distributions. Expectations, functions of random variables, central limit theorem. Prerequisite: Calculus II (Mathematics 22, 112L, 122, or 122L) OR credit for multivariable calculus (Mathematics 202, 212, 219, or 222) OR graduate student standing. Not open to students who have credit for Mathematics 340.</td>
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<tr>
<td>STA230S</td>
<td>230S</td>
<td>Probability Inquiry Based Learning</td>
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<tr>
<td>STA231</td>
<td>231</td>
<td>Advanced Introduction to Probability</td>
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<tr>
<td>STA250D</td>
<td>250D</td>
<td>Statistics</td>
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<tr>
<td>STA291</td>
<td>291</td>
<td>Independent Study</td>
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<tr>
<td>STA30</td>
<td>30</td>
<td>Basic Statistics and Quantitative Literacy</td>
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<tr>
<td>STA</td>
<td>310</td>
<td>STA310 - Generalized Linear Models</td>
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<tr>
<td>STA</td>
<td>313L</td>
<td>STA313L - Advanced Data Visualization</td>
</tr>
<tr>
<td>STA</td>
<td>322</td>
<td>STA322 - Study Design: Design of Surveys and Causal Studies</td>
</tr>
<tr>
<td>STA</td>
<td>323D</td>
<td>STA323D - Statistical Computing</td>
</tr>
</tbody>
</table>
STA325L - Machine Learning and Data Mining

Subject: STA  
Catalog Number: 325L  
Title: Machine Learning and Data Mining

Description: The rapid growth of digitalized data and the computer power available to analyze it has created immense opportunities for both machine learning and data mining. This course introduces machine learning and data mining methods. Topics covered include information retrieval, clustering, classification, modern regression, cross validation, boosting and bagging. Course emphasizes selection of appropriate methods and justification of choice, use of programming for implementation of the method, and evaluation and effective communication of results in data analysis reports. Prerequisite: Prerequisite: Statistical Science 210 and (Statistical Science 240L or 230 or 231).

STA340 - Introduction to Statistical Decision Analysis

Subject: STA  
Catalog Number: 340  
Title: Introduction to Statistical Decision Analysis

Description: Quantitative methods for decision making under uncertainty. Probability theory, personal probabilities and utilities, decision trees, ROC curves, sensitivity analysis, dominant strategies, Bayesian networks and influence diagrams, Markov models and time discounting, cost-effectiveness analysis, multi-agent decision making, game theory. Prerequisite: Statistical Science 230, 231, or 240L.

STA344 - Introduction to the Statistical Modeling of Spatial and Time Series Data

Subject: STA  
Catalog Number: 344  
Title: Introduction to the Statistical Modeling of Spatial and Time Series Data

Description: Introduction to modeling of data with spatial and/or time dependence. This course introduces methods and tools for manipulating, exploring, and modeling spatial (point referenced and areal) and time series data (discrete and continuous). Some of the key modeling techniques covered include: Gaussian processes and their generalizations; CAR, SAR, IAR, and kriging models; ARM, ARMA, and dynamic linear models. The course will cover the underlying statistical theory behind these models as well as the use of computational tools for the application of these models to real data. Prerequisites: STA 210 and one of (STA 230, 231 or 240) and pre- or co-requisite: STA 211

STA360L - Bayesian Inference and Modern Statistical Methods

Subject: STA  
Catalog Number: 360L  
Title: Bayesian Inference and Modern Statistical Methods

Description: Principles of data analysis and advanced statistical modeling. Bayesian inference, prior and posterior distributions, multi-level models, model checking and selection, stochastic simulation by Markov Chain Monte Carlo. Prerequisite: Statistical Science 210 and (Statistical Science 230, 231, or 240L) and (Mathematics 202, 202D, 212, or 222) and (Computer Science 101L, Computer Science 102L, Computer Science 201, or Engineering 103L) and (Mathematics 216, 218, or 221). Corequisite: Statistical Science 211.

STA391 - Independent Study

Subject: STA  
Catalog Number: 391  
Title: Independent Study

Description: Directed readings or work in a field of special interest under the supervision of a faculty member, the central goal of which is a substantive paper, project, or written report covering a previously approved topic. Consent of instructor and director of undergraduate studies required.

STA393 - Research Independent Study

Subject: STA  
Catalog Number: 393  
Title: Research Independent Study

Description: Individual research in a field of special interest, under the supervision of a faculty member, resulting in a substantive paper or written report containing significant analysis and interpretation of a previously approved topic. Consent of instructor and director of undergraduate studies required.
STA410L - Multilevel and Hierarchical Models

Description
Variance component models with fixed and random effects. Multilevel and hierarchical models for longitudinal and/or clustered data. Focus on model fitting and interpretation. Maximum likelihood and Bayesian inference and computation. Prerequisite: Statistical Science 360. Recommended prerequisite: R programming skills.

STA432 - Theory and Methods of Statistical Learning and Inference

Description
Estimators and properties (efficiency, consistency, sufficiency); loss functions. Fisher information, asymptotic properties and distributions of estimators. Exponential families. Point and interval estimation, delta method. Neyman-Pearson lemma; likelihood ratio tests; multiple testing; design and the analysis of variance (ANOVA). High-dimensional data; statistical regularization and sparsity; penalty and prior formulations; model selection. Resampling methods; principal component analysis, mixture models. Prerequisite: (Statistical Science 240L, 230, or 231) and (Mathematics 202, 212, 219, or 222). Not open to students with credit for STA 250. Recommended prerequisite: Statistical Science 210, 360, and (Mathematics 221, 218, or 216).

STA440L - Case Studies in the Practice of Statistics

Description
Students apply statistical analysis skills to in-depth data analysis projects ranging across diverse application areas including but not limited to energy, environmental sustainability, global health, information and culture, brain sciences, and social networks. Students practice cutting-edge statistical methods and communicate their results both technically and non-technically via presentations and written reports. Prerequisite: Statistical Science 360.

STA444L - Statistical Modeling of Spatial and Time Series Data

Description
Introduction to Bayesian modeling for data with spatial and/or time dependence. Exploratory analysis of spatial (point referenced and areal) and time series data. Gaussian processes and generalizations. Extending hierarchical Bayesian linear models and generalized linear models. Spatial models: CAR, SAR, kriging and time series models: ARM, ARMA, dynamic linear models. Computational methods for model fitting and diagnostics. Prerequisite: Statistical Science 360 or 601 or 602L.
STA450L - Theory and Methods for the Analysis of Social Networks

**Subject**
STA

**Catalog Number**
450L

**Title**
Theory and Methods for the Analysis of Social Networks

**Description**
Introduction to basic principles of analyzing relational data. Consider deterministic and probabilistic specifications of networks and graphs, studying structural blockmodels, the Erdos-Renyi model, the exponential random graph model, the stochastic blockmodel, generalizations to latent space models and to more complex relational data. Development of these models and practical understanding of how to fit them. There is no book, lectures will be supplemented with discussions of relevant papers. Prerequisite: Statistical Science 360.

STA465 - Introduction to High Dimensional Data Analysis

**Subject**
STA

**Catalog Number**
465

**Title**
Introduction to High Dimensional Data Analysis

**Description**

STA470S - Introduction to Statistical Consulting

**Subject**
STA

**Catalog Number**
470S

**Title**
Introduction to Statistical Consulting

**Description**
Immerses students into real world consulting, exposing them to all aspects of research including data collection, modeling, and evaluating results. Through campus-wide consulting program, students work with researchers from various disciplines providing recommendations for statistical methodologies appropriate for their research. Projects examined through lens of research ethics underlying data collection, model assumptions, analysis, reproducibility, and reporting of results. Case studies such as the recent Potti case highlight what can go wrong in interdisciplinary research when researchers are not vigilant of the highest ethical standards. Prerequisite: Statistical Science 360L or 601.

STA490 - Special Topics in Statistics

**Subject**
STA

**Catalog Number**
490

**Title**
Special Topics in Statistics

**Description**
Special topics not covered in core courses and more advanced topics related to current research directions in statistical science. Instructor consent required.

STA491 - Independent Study

**Subject**
STA

**Catalog Number**
491

**Title**
Independent Study

**Description**
Directed readings or work in a field of special interest under the supervision of a faculty member, the central goal of which is a substantive paper, project, or written report covering a previously approved topic. Consent of instructor and director of undergraduate studies required.

STA493 - Research Independent Study

**Subject**
STA

**Catalog Number**
493

**Title**
Research Independent Study

**Description**
Individual research in a field of special interest, under the supervision of a faculty member, resulting in a substantive paper or written report containing significant analysis and interpretation of a previously approved topic. Consent of instructor and director of undergraduate studies required. Prerequisite: Statistics 360.
### STA89S - First-Year Seminar

**Subject** | **Catalog Number** | **Title**  
--- | --- | ---  
STA | 89S | First-Year Seminar  

**Description**  
Topics vary each semester offered.

### SUSTAIN245 - The Theory and Practice of Sustainability

**Subject** | **Catalog Number** | **Title**  
--- | --- | ---  
SUSTAIN | 245 | The Theory and Practice of Sustainability  

**Description**  
Theories and practices of sustainability explored with application to the campus environment, including economic, social and environmental factors, and a local to global reach. The Duke campus is used as a case study to illustrate institutional practices including building design and operations, utility supply and consumption, carbon offsets design and calculation, transportation, water, sustainability education and communication, behavior change, waste production and recycling, and procurement. In a service-learning project, students might perform sustainability inventories and cost/benefit analyses, or gather behavior change data.

### SUSTAIN276 - Denial, Faith, Reason: Sustainability and Survival

**Subject** | **Catalog Number** | **Title**  
--- | --- | ---  
SUSTAIN | 276 | Denial, Faith, Reason: Sustainability and Survival  

**Description**  
This course investigates both theory and history of the concept of sustainability, and explores its various economic and political manifestations over time. What are the historical roots of the sustainability debate? What aspects of life do various concepts of sustainability entail, and how do they inform modern ethics? What, in the end, does the history of political economics teach us about the possibility of sustainable development?

### SUSTAIN498S - Building a Sustainable Tomorrow

**Subject** | **Catalog Number** | **Title**  
--- | --- | ---  
SUSTAIN | 498S | Building a Sustainable Tomorrow  

**Description**  
Capstone for Certificate in Sustainability Engagement open to senior undergraduates who have completed all other Certificate requirements. Interdisciplinary insights to shed light on major contemporary debates in sustainability and world's most pressing problems. Synthesis and integration of ideas, concepts, and themes from their academic coursework and experiential activities with each dimension of sustainability, enhancing their systems analysis of chosen theme. Classes include discussion, readings, and guest speakers on topics in sustainability. May include fieldwork and other learning experiences relevant to sustainability. Held in Spring semesters. Open only to Sustainability Engagement certificate students. Prerequisite: Sustainability Engagement 245/Environment 245.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>SUSTAIN498SD</td>
<td>Building a Sustainable Tomorrow</td>
<td>Capstone for Certificate in Sustainability Engagement open to senior undergraduates who have completed all other Certificate requirements. Interdisciplinary insights to shed light on major contemporary debates in sustainability and world's most pressing problems. Synthesis and integration of ideas, concepts, and themes from their academic coursework and experiential activities with each dimension of sustainability, enhancing their systems analysis of chosen theme. Classes include discussion, readings, and guest speakers on topics in sustainability. May include fieldwork and other learning experiences relevant to sustainability. Held in Spring semesters. Open only to Sustainability Engagement certificate students. Prerequisite: Sustainability Engagement 245/Environment 245.</td>
</tr>
<tr>
<td>SWAHILI101</td>
<td>Elementary Swahili 1</td>
<td>Swahili is spoken by tens of millions of people worldwide, primarily in East and Southern Africa. This course provides an introduction to the basic elements of Swahili language and cultures as well as developing skills in listening, speaking, reading and writing. Course taught at University of Virginia, via Zoom.</td>
</tr>
<tr>
<td>SWAHILI102</td>
<td>Elementary Swahili 2</td>
<td>The course develops and expands elements acquired in Swahili 101, providing a more thorough introduction to Swahili language skills in listening, speaking, reading and writing. Course taught at University of Virginia, via Zoom. Prerequisite: SWAHILI 101 or students with equivalent Swahili language experience should contact the instructor for a permission code.</td>
</tr>
<tr>
<td>SWAHILI203</td>
<td>Intermediate Swahili 1</td>
<td>This course is an intermediate level course designed to further enhance communicative skills, as well as develop an awareness of the cultural diversity of the Swahili-speaking areas of East Africa through Swahili texts. Course taught at University of Virginia, via Zoom. Prerequisite: Swahili 102 or equivalent Swahili language experience.</td>
</tr>
<tr>
<td>SWAHILI204</td>
<td>Intermediate Swahili 2</td>
<td>This course is the second part of the intermediate sequence, which further develops communication skills, as well as an awareness of the cultural diversity of the Swahili-speaking areas of East Africa. Readings are drawn from a range of literary and journalistic materials. Course taught at University of Virginia, via Zoom. Prerequisite: Swahili 203 or equivalent Swahili language experience.</td>
</tr>
<tr>
<td>SXL116</td>
<td>Sexual Pleasure in the Modern World</td>
<td>Interdisciplinary study of ways societies around the globe have understood sexual pleasure. Investigates ethics of the manners in which people have explored sexual pleasure and ways that such pleasure relates to creation of the modern person. Emphasizes effects of colonialism and development of race in relation to sexuality. Includes an extensive discussion of pornography, sexual fantasy, orgasm and virtual sex, asking how sexual pleasure relates to histories of danger and violence.</td>
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<tr>
<td>Subject</td>
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<tr>
<td>SXL</td>
<td>160S</td>
<td>Gateway Seminar: The Global Sixties: Race, Revolution, Sexuality</td>
</tr>
<tr>
<td>SXL</td>
<td>190S</td>
<td>Seminars in Selected Topics</td>
</tr>
<tr>
<td>SXL</td>
<td>191FS</td>
<td>Intersections of the Sexual Brain</td>
</tr>
<tr>
<td>SXL</td>
<td>199S</td>
<td>Introduction to LGBTQ Studies</td>
</tr>
<tr>
<td>SXL</td>
<td>235S</td>
<td>Clinical Issues for the LGBTQ Community</td>
</tr>
<tr>
<td>SXL</td>
<td>264S</td>
<td>Race, Gender, and Sexuality</td>
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</tbody>
</table>
SXL268 - Gender, Sexuality, and Human Rights

Description
This course investigates gender and sexual dimensions of human rights, considering key international human rights campaigns and emphasizing the historical and philosophical contexts involved in advocacy for Women's Human Rights and Sexual Rights.

SXL272S - Sexuality and the Law

Description
This course will introduce students to legal and ethical issues at the intersection of law, gender and sexuality. The course will use interpretive methods used in jurisprudence, as well as conceptual tools developed by feminist, critical race and queer theoreticians to explore such issues as the criminalization of gay sex, the equal protection of all persons regardless of their sexual orientation or gender identity, and the role of the state in resolving perceived conflicts between that right to equal protection and the right to religious freedom. The course will take a cross-cultural/multi-jurisdictional comparative approach to these issues.

SXL278 - Sex/Gender - Nature/Nurture: Intersections of Biology and Society

Description
Debates about sexuality, sex, and gender hinge on radically different ideas about relative effects of biological forces vs. social forces, or nature vs. nurture. Course changes terms of arguments about sexuality and gender and nature/nurture. Explores how nature/nurture emerged as scientific and popular debate. Evaluates new developments in science and cultural fields that are now reconsidering how biology and environments interact. Showcases debates about how sex and sexuality are formed through interplay of genetic information, hormones, material bodies, and social environments.

SXL290 - Selected Topics

Description
Lecture version of Study of Sexualities 290S. Topics vary each semester offered.

SXL290S - Seminars in Selected Topics

Description
Topics vary each semester offered.

SXL295S - Sex Work: The Politics of Sexual Labor

Description
Sex work from the perspective of the labor and the purchase. Controversies over questions of gender and power, consent and coercion, sexual practices and labor contracts, trafficking and migration. Cultural representations of sex workers and their clients. Legal regimes from abolition to regulation and decriminalization.
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<th>Subject</th>
<th>Catalog Number</th>
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<tbody>
<tr>
<td>SXL</td>
<td>386S</td>
<td>Politics of Sexuality</td>
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<td>Description: Explores intersections among sexual identity, desire, and behavior and political institutions, public policy, and concepts of citizenship. Readings and methods will be interdisciplinary and will examine politics of sexuality in diverse sociocultural, international, and historical contexts. Topics may include: social movements; laws, policing, and incarceration; medicalization and eugenics; militarism and geopolitics; immigration and human rights; welfare policies; nationalism and citizenship; and reproductive rights.</td>
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<tbody>
<tr>
<td>SXL</td>
<td>432S</td>
<td>Gender, Sex and Citizenship</td>
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<td>Description: Explore current issues and debates relating to the relationship between gender, sexuality and global flows of people, labor, capital and ideas. Consider feminist analyses of the citizen-subject and foundational questions central to this area of study relationship between cultural representation, queer subjectivities, and sexual citizenship. Examine scholarship on gendered vulnerability and the welfare state; the politics of 'terror', security, and stereotyped masculinities; domestic labor and contemporary slavery; and the controversial debates about the connections between sex tourism, human trafficking and commercial sex work. Prerequisite: Previous gender studies course or consent of the instructor.</td>
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<tbody>
<tr>
<td>SXL</td>
<td>438S</td>
<td>Techno-Orientalism: Asian/America, (Post) Human and Science Fiction</td>
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<td></td>
<td>Description: Course examines global Science Fiction genres in literature, film, and social media as case studies to understand broad historical and social formations of Otherness, the Alien, Citizenship, (Im)migration. Studies racial assumptions in popular culture, domestic and international law, discourse of the human and human rights, science and technology industries, and other disciplines. Explores interdisciplinary intersections of race, gender, sexuality, class, and geopolitical divisions and interactions in Asian/American Studies and Postcolonial Studies from the past to the present.</td>
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<tr>
<td>SXL</td>
<td>470S</td>
<td>Queer Theory</td>
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<td>Description: A seminar designed specifically for advanced study in sexuality and gender. Contextualizes queer theory as a distinct analytic tradition by paying attention to poststructuralist approaches to subjectivity, sociality, power, and knowledge. This course also serves as the capstone required for the Certificate in the program in the study of sexualities.</td>
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<tr>
<td>Subject</td>
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<tr>
<td>SXL</td>
<td>89S</td>
<td>First Year Seminar</td>
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</table>

**Description**

New concepts and themes in the Study of Sexualities. Topics vary each semester.

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<tr>
<th>Subject</th>
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<th>Title</th>
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<tbody>
<tr>
<td>THEATRST</td>
<td>104</td>
<td>Let’s Dance! Live Art and Performance</td>
</tr>
</tbody>
</table>

**Description**

This introductory course offers an examination of the major movements in the history of concert and social dance, including ballet, tap, jazz, modern dance, musical theater, and particular cultural forms. Considerations of popular culture and reality competition dance programs; feminist foundations of modern dance; contemporary performance idioms that involve the presence of the body.

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<tr>
<td>THEATRST</td>
<td>125S</td>
<td>American Musicals</td>
</tr>
</tbody>
</table>

**Description**

What is it about musicals that made them a uniquely American theatrical form? In this course, we will investigate how musicals represent what it means to be American. Musical theatre history is American history, indebted to and reflective of critical histories of appropriation, capitalism, immigration, and popular entertainment. Musicals seduce us in song and dance; it is easy to ignore the substance beneath the sequins. We will study the texts and historical contexts of musicals over the past century, from Shuffle Along, and Oklahoma!, to A Chorus Line, and Hamilton. Musicals reveal shifting notions of what ‘American’ means as they stage ability, ethnicity, gender, race, and sexuality.

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<tbody>
<tr>
<td>THEATRST</td>
<td>141</td>
<td>The Hollywood Musical: Singing and Dancing the American Dream</td>
</tr>
</tbody>
</table>

**Description**

Beyond its unapologetic praise of spectacularity and entertainment, what makes the Hollywood film musical a quintessential American genre? Since its origins, the Hollywood musical has been channelling various ideologies in its modes of performance and production; it has offered a space to address specific anxieties of the American society: modernity vs. nostalgia, representations of gender, ethnicity, class, and the low/high divide in arts. Emphasis will be given on its performative aspects, the relationship between choreography and song, the changing representations of the dancing body, musical styles, sexual objectification and the star persona.
THEATRST145S - Acting

**Subject**
THEATRST

**Catalog Number**
145S

**Title**
Acting

**Description**
The fundamentals of acting realism explored through exercises, scene study, and text analysis. Introduction to voice and movement training for the actor. Theory and text analysis studied in their historical context as well as their contemporary relevance.

THEATRST187A - Reading Theater in New York

**Subject**
THEATRST

**Catalog Number**
187A

**Title**
Reading Theater in New York

**Description**
Theater is a live art in which one assembly of people tells a story to another: the audience. This course introduces this art from two, interwoven perspectives. First we consider the scripts as artifacts of the past. We uncover the acting, directing, and design conventions that originally animated the scripts; the spaces for which they were intended; the audiences for whom they were performed. Then we consider the scripts as blueprints for the present with the guidance of guest artists in New York (some from Duke’s alumni network) and site visits to theaters and rehearsal rooms. We see productions all plays, which are chosen from that season’s offerings in New York.

THEATRST187S - Reading Theater

**Subject**
THEATRST

**Catalog Number**
187S

**Title**
Reading Theater

**Description**
In the theater, what we read on the page is an artifact of performances that once happened as well as a blueprint for stage performances yet to come. In this course, we work as archeologists to explore the meanings of the artifact and as creators—on our feet and with our bodies—to unlock the potential meanings of the blueprint. The course focuses on six plays, drawn from different periods in history and different countries, and includes non-European and non-white perspectives.

THEATRST190A - Duke Administered Study Abroad: Special Topics in Theater Studies

**Subject**
THEATRST

**Catalog Number**
190A

**Title**
Duke Administered Study Abroad: Special Topics in Theater Studies

**Description**
Topics differ by section.
THEATRST190FS - Focus Program Special Topics

Subject: THEATRST  
Catalog Number: 190FS  
Title: Focus Program Special Topics

Description: Topics vary semester to semester. Open only to students in the Focus program.

THEATRST198FS - Performing Science: Experimentation, Collaboration, and Artistry

Subject: THEATRST  
Catalog Number: 198FS  
Title: Performing Science: Experimentation, Collaboration, and Artistry

Description: Combines a historical survey of science-themed plays with an examination of sci-arts initiatives such as the University of Western Australia's Symbiotica; the Art & Science Laboratory in New Mexico; and the UK's Centre for Performance Science. Central course questions: How can performing arts improve public awareness and knowledge about complex scientific ideas and research? What points of view and methods of research do artists bring to scientific inquiry and vice-versa? We will pay particular attention to secondary schools, contemporary art installations, and science museums as public laboratories for experimental, embodied collaborations across the two disciplines. Open only to students in the Focus Program. Department consent required.

THEATRST199FS - Knowing Through Performance

Subject: THEATRST  
Catalog Number: 199FS  
Title: Knowing Through Performance

Description: Inquiry into the concept of 'performance' broadly construed; not only as it refers to 'staged' performances, but as social ritual and as self-representation, situated in cultural context. Writing experiments aimed at capturing the ephemerality of live performance, with attention to how meaning is enacted through movement, sound, lighting, rhythm, voice, emotion, and audience interaction. Regular writers' workshops and attendance of theater, dance, and musical performances. Students compose critical reviews and a research project on a performance genre, an artist's approach, or other related topic of their choosing.

THEATRST202 - Introduction to Performance Studies

Subject: THEATRST  
Catalog Number: 202  
Title: Introduction to Performance Studies

Description: Introduction to field of performance studies, with examples drawn from music, dance, theatre, performance art, protests, rituals, and everyday life. Through comparative study of global performance, we explore the usefulness of concepts of ritual, play, and performativity as they relate to performance and technology; intercultural performance and implications and ethics of appropriation and borrowing; originality and imitation; archive and repertoire; performative writing; and the performative dimensions of gender, race, and sexuality.
THEATRST203A - The Arts, Culture, and Performance of New York

**Subject**  
THEATRST

**Catalog Number**  
203A

**Title**  
The Arts, Culture, and Performance of New York

**Description**  
This course introduces its participants to New York through its rich artistic, cultural, and performance offerings—drawn from art, dance, film, music, literature, and theater. Visiting all five boroughs, they contemplate how the identities of New Yorkers—-informed by the city and by ability, class, ethnicity, gender, race, and sexuality—are performed in the theater of everyday life: in parks, streets, subways, and especially the city’s diverse neighborhoods and restaurants.

THEATRST205A - Internship in New York

**Subject**  
THEATRST

**Catalog Number**  
205A

**Title**  
Internship in New York

**Description**  
Participants in this course are immersed in the professional work of New York's arts, culture, and performance industries through apprenticeship to a sponsoring artist, institution, or organization. Participants work fifteen hours per week at their internship and meet arts professionals from within and beyond Duke’s alumni network. They also meet regularly with their supervising professor. In combination, this work experience, networking opportunity, and academic reflection help interns develop their professional capabilities, refine their interpersonal and workplace skills, and prepare for future work in creative industries.

THEATRST209 - How Musicals Work

**Subject**  
THEATRST

**Catalog Number**  
209

**Title**  
How Musicals Work

**Description**  
What makes a musical a musical? How do musicals create alchemy in song and dance? What is the relationship between content, form, and context? These questions will guide our study of musical theater dramaturgy and its evolution. We will cover everything from contemporary musicals to Sondheim, rock operas, revues, and Rodgers & Hammerstein. By the end of the course, students will become experts at recognizing various forms of musical theatre, gain an understanding of the pivotal relationship between historical context and dramatic form, and be able to chart how innovations often become conventions. Our focus is musical theater on the page and the stage as we explore how musicals work.

THEATRST211 - Musical Theater Workshop: Performance

**Subject**  
THEATRST

**Catalog Number**  
211

**Title**  
Musical Theater Workshop: Performance

**Description**  
Students will develop the three primary skills of musical theater performance (acting, dancing, and singing) in this workshop. Students will also try their hand at choreography, direction, and dramaturgy as we collaboratively stage scenes and songs from musicals throughout the semester. We will analyze what makes musical theatre performance successful as we work to hone your own abilities and talents together. Each student will receive a mixture of individual and group coaching every week. Permission to enroll is granted by instructor consent following a successful audition into the mainstage production.

THEATRST213A - The Arts in New York: A Thematic Approach

**Subject**  
THEATRST

**Catalog Number**  
213A

**Title**  
The Arts in New York: A Thematic Approach

**Description**  
Duke in New York. Various topics dealing with the arts in New York. Group attendance at, and subsequent seminar discussion of, performances, exhibitions, films, and lectures. Research or critical paper required. Open only to students admitted to the Duke in New York Arts Program. Satisfies the Area III requirement for English majors.

THEATRST214 - Internship in New York

**Subject**  
THEATRST

**Catalog Number**  
214

**Title**  
Internship in New York

**Description**  
Immersion in the professional art world through apprenticeship to a sponsoring artist or organization. Students spend fifteen hours per week at the internship and write a substantive paper containing significant analysis and interpretation of the relation of the students’ sponsoring institution to the art form of activity as a whole, the system of production and consumption surrounding that art form or activity, and the sponsor’s organizational framework, operating mechanics, and role in the creation, preservation, or interpretation of the art form or activity. Open only to students admitted to the Duke in New York Arts Program. Does not count toward the major. Consent of instructor required.
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<tr>
<td>THEATRST</td>
<td>214A</td>
<td>Internship in New York</td>
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</tbody>
</table>

**Description**

Immersion in the professional art world through apprenticeship to a sponsoring artist or organization. Students spend fifteen hours per week at the internship and write a substantive paper containing significant analysis and interpretation of the relation of the students’ sponsoring institution to the art form of activity as a whole, the system of production and consumption surrounding that art form or activity, and the sponsor’s organizational framework, operating mechanics, and role in the creation, preservation, or interpretation of the art form or activity. Open only to students admitted to the Duke in New York Arts Program. Does not count toward the major. Consent of instructor required.

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<tr>
<td>THEATRST</td>
<td>214A-1</td>
<td>Internship in New York</td>
</tr>
</tbody>
</table>

**Description**

Immersion in the professional world of the arts and media through working with a sponsoring artist, organization, or business. Open only to students admitted to the Duke in New York Arts and Media Program. Does not count toward the major. Consent of Instructor required.

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<tr>
<td>THEATRST</td>
<td>215</td>
<td>The Singing Actor: Song Interpretation for Musical Theater</td>
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</tbody>
</table>

**Description**

The Singing Actor is a research and workshop-based musical theater course designed to introduce students to the analytical and performative demands of acting a song. The course aims to give students a working knowledge of music theory methods, exercises, and essential aesthetics in vocal production and vocal wellness, as well as an in-depth study of script analysis, score analysis, and character development for the musical. Researching and physically preparing songs and scores from various musical genres is the primary focus of the course with the preparation of song pieces for songbooks and audition settings being a secondary focus.

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<tr>
<td>THEATRST</td>
<td>216S</td>
<td>Writing the Musical Book</td>
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</tbody>
</table>

**Description**

Study and create the dramatic text of musical theater. Course starts with grounding in the basics of text writing by studying outstanding examples of book writing, from Arthur Laurent’s Gypsy to Brian Yorkey’s Pulitzer-winning Next To Normal. Students write a series of short scenes (5-10 pages) to be read aloud and critiqued in class, with ultimate goal of completing an original or adapted book for a one-act musical (30-60 pages.)
**THEATRST218SA - New York Scenes**

**Subject:** THEATRST  
**Catalog Number:** 218SA  
**Title:** New York Scenes

**Description:**  
New York Scenes will focus on the various cultural institutions, scenes, establishments, happenings, hang-outs, movements, etc., that make up New York City. Early in the semester, students will select a particular 'scene' to research over the course of the term. For example: Tin Pan Alley (popular music, theater), The Lafayette Theatre (black arts), St. Mark's Church (poetry, punk rock), the Chelsea Hotel (mid-century writers, pop stars and outcasts), La MaMa (experimental theater), the Christopher Street Piers (queer history, lgbtq youth) and Union Square Park (leftist organizing history). Open to students in the Duke in New York program.

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**THEATRST219S - Production Management for Theater**

**Subject:** THEATRST  
**Catalog Number:** 219S  
**Title:** Production Management for Theater

**Description:**  
What does it mean to successfully manage an artistic endeavor? How does management affect whether or not a project is successful? How can artist managers be more sensitive and responsive to the needs of their fellow collaborators? This course explores theater from the perspective of the production manager. While our focus will be theater, we’ll also discuss how to apply skills such as scheduling, budgeting, writing contracts, and personnel negotiation across the performing and cinematic arts.

---

**THEATRST220SA - Korea in Performance: Global Culture and Soft Power**

**Subject:** THEATRST  
**Catalog Number:** 220SA  
**Title:** Korea in Performance: Global Culture and Soft Power

**Description:**  
This course surveys the various ways in which South Korea has emerged as a leading nation in the creation of global culture since the late twentieth century. Exemplified by K-pop and K-drama, various cultural contents created in and promoted by Korea have circulated globally and have had a lasting impact on popular culture, new media, and the arts around the world. By using specific case studies in Seoul and its vicinities and by inviting guest speakers, the course introduces students to topics of globalization, interculturalism, neocolonialism, neoliberalism, transnationalism, and tourism.

---

**THEATRST221 - Manifesto Workshop: Climate Change, Afro-/Solar Punk, and Performance**

**Subject:** THEATRST  
**Catalog Number:** 221  
**Title:** Manifesto Workshop: Climate Change, Afro-/Solar Punk, and Performance

**Description:**  
Manifesto Workshop: Afro-/Solarpunk, Climate Change, and Performance is a performance-based workshop that seeks to explore radical, embodied storytelling through the lenses of several manifestos: Afrofuturism, Solarpunk, Environmental Justice, and Queer Utopias. Through creative research, embodied 'in(queer)y,' and collaborative theater-making, the workshop will culminate in a public performance of original student work.
THEATRST222 - Shakespeare

Subject: THEATRST
Catalog Number: 222
Title: Shakespeare

Description: Introduction to the major works of Shakespeare. Exploration of the author's central themes and contexts, with particular focus on Shakespeare's exploration of love as a mode of ethical inquiry and moral philosophy. Satisfies Area I requirement for English majors.

THEATRST223S - Modern German Theater and Drama

Subject: THEATRST
Catalog Number: 223S
Title: Modern German Theater and Drama

Description: Introduction to some major works of theater and drama of German-speaking central Europe, especially as they attempt to address contemporary social issues. Emphasis primarily on 20th century theater and drama. Authors include Bertolt Brecht, Friedrich Dürrenmatt, Peter Weiss, Peter Handke, Elfriede Jellinek and others whose experiments with dramatic form have drawn international attention. Discussions will explore the relationships between texts and their various theatrical performances on the stage and screen, as well between dramatic form and social-historical context. Final project may include performance of scenes from different plays. Taught in German.

THEATRST224 - Sport As Performance

Subject: THEATRST
Catalog Number: 224
Title: Sport As Performance

Description: This course studies athletic cultures under rubrics provided by theater, performance studies, anthropology, media studies, and history to understand sports as ritual, theater, and performance. Our investigation includes professional and collegiate teams sports, as well as individual athletic performances. The course includes examinations of gender, race, and national identity in live events and the media. A twice-weekly seminar format features lectures, discussions, independent research projects, and guest speakers from the worlds of athletics, theater, and media.

THEATRST225S - Transformative Ideas: Power, Theater, and Politics

Subject: THEATRST
Catalog Number: 225S
Title: Transformative Ideas: Power, Theater, and Politics

Description: What is power? How is it created, transferred, or lost within a polity? What happens when one entity seizes power from another? Must violence always be at the center of that event, or can shared culture animate the accumulation and maintenance of power in a society? This Transformative Ideas seminar examines how insights in political theory and theater studies have addressed these questions. Concepts include ambition; sovereignty; violence and coercion; collectivism, especially nationalism; and rhetoric. Key writers include Aristotle; Plato; Machiavelli; Sophocles; Shakespeare; Weber; Arendt; Douglass; Soyinka; Alfred Jarry; Caryl Churchill; June Jordan, and Lynn Nottage.
THEATRST226S - World Building for the Theater

**Subject**  
THEATRST

**Catalog Number**  
226S

**Title**  
World Building for the Theater

**Description**  
World Building for the Theater introduces students to the design components used to create a theatrical production: set, costumes, sound, lighting, and projection. Students learn the process that brings these components to life: play analysis for design, artistic research, design, technical and build preparation, construction, and final performance. Each student has the opportunity to focus on their particular area of interest while contributing to the creation of the Theater Studies Mainstage production. Students work in the areas of set, costumes, lights, paint, and backstage support, gaining hands-on practical experience with the tools of their chosen area of interest.

THEATRST227 - Drama of Ancient Rome

**Subject**  
THEATRST

**Catalog Number**  
227

**Title**  
Drama of Ancient Rome

**Description**  
Introduction to the drama and performance cultures of ancient Rome. Students read in translation canonical comedies (Plautus, Terence) as well as tragedies (Seneca) while also studying related genres such as mime, historical drama, and other hybrid forms. Central topics include: conventions of theatrical performance from Republic to Empire, social and political contexts of Roman drama, ancient dramaturgy and theatrical spaces, related performance cultures including the gladiatorial arena, modern reception of Roman drama. No previous knowledge of Classical Studies required or presumed; this course is open to all students interested in drama, literature, and the history of Rome.

THEATRST229 - Stage Management

**Subject**  
THEATRST

**Catalog Number**  
229

**Title**  
Stage Management

**Description**  
This course will familiarize the student with techniques and skills required to be a smart, efficient and effective Stage Manager in a Theatrical Production. We will delve into the principles and processes of stage management through exploration of the tasks required of stage managers throughout the production process.

THEATRST230 - Drama of Ancient Greece

**Subject**  
THEATRST

**Catalog Number**  
230

**Title**  
Drama of Ancient Greece

**Description**  
Introduction to the dramatic art of ancient Greece. Students read in translation tragedies by Aeschylus, Sophocles, and Euripides and comedies by Aristophanes and Menander. Topics discussed include: the conventions of theatrical performance during the classical period; the changing social, economic, and political contexts of drama; costume, mask, and set design; music and dance; modern performances of ancient plays; the art of translation; and the continuing relevance of ancient theater today. No previous knowledge of Classical Studies presumed or required. This course is open to all students interested in Greek drama, literature, and performance.
THEATRST231S - Arts Policy, Leadership, and Engagement

Subject: THEATRST
Catalog Number: 231S
Title: Arts Policy, Leadership, and Engagement

Description:
This community-engaged course provides an introduction to contemporary issues in US arts policy and cultural sector leadership across four broad themes: creative institutions; cultural equity and accessibility; creative placemaking/community development; and the creative economy. In addition to policy questions in these areas, we examine leadership practices in arts organizations and cultural institutions, with particular attention to the kinds of leadership the arts require in a post-2020 world. Students will work in teams on a semester-long collaborative project with an arts policy organization and experience the arts in practice through attendance at performances and exhibitions.

THEATRST232S - Asian American Theater

Subject: THEATRST
Catalog Number: 232S
Title: Asian American Theater

Description:
Asian American theater and performance traditions, including major dramatic texts and canon formation. Critical framework for discussing race, ethnicity, gender, and sexuality.

THEATRST233 - Dance and Dance Theater of Asia

Subject: THEATRST
Catalog Number: 233
Title: Dance and Dance Theater of Asia

Description:
Asian dance and dance theater performance genres and the cultural aesthetics that inform them. Cultural traditions of China, Korea, Japan, India, Indonesia, Thailand, and Cambodia. Religious, ritual, folk, and royal court forms of artistic performance. The mythology, legends, and symbolic interpretations that underlie the thematic core of these performance traditions; spiritual importance of disciplined training; the intercultural translation and adaptation of Asian performance disciplines to the West.

THEATRST235 - Performance Art History and Theory

Subject: THEATRST
Catalog Number: 235
Title: Performance Art History and Theory

Description:
Performance Art History and Theory explores cultural experimentation, theoretical strategies, and ideological aims of performance art internationally; examines interchanges between artists' theories of performance, stylistic development, and impact in the context of cultural criticism and art history; traces interdisciplinary genealogies of performance globally; thinks about the body as a vehicle for aesthetic expression, communication, and information in its critique of social and political conditions; studies performance and gender, sexuality, race, and class; asks how performance alters the semiotics of visual culture and contributes to a paradigm shift from modernism to postmodernism.
<table>
<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>THEATRST</td>
<td>236</td>
<td>Gender in Dance and Theatre</td>
</tr>
<tr>
<td>THEATRST</td>
<td>237S</td>
<td>Shakespeare's Nature</td>
</tr>
<tr>
<td>THEATRST</td>
<td>239AS</td>
<td>Theater in London: Text</td>
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<tr>
<td>THEATRST</td>
<td>240AS</td>
<td>Theater in London: Performance (DS4)</td>
</tr>
<tr>
<td>THEATRST</td>
<td>241</td>
<td>Cabaret Workshop</td>
</tr>
<tr>
<td>THEATRST</td>
<td>242S</td>
<td>The Art of Improvising</td>
</tr>
</tbody>
</table>

**THEATRST236 - Gender in Dance and Theatre**

**Description**
Ways in which gender and sexuality are conceptualized in selected performance cultures. Interprets these historically constituted social formations through an examination of the diverse cultural constructions of gender meanings, representations and ideologies as interpreted and expressed in dance and theatre. Symbolic meanings of gender in relation to forms of social life and theatrical experience. The Devadasi in India, the concept of the male embodied Onnagata, and the notion of the female embodied Otokoyaku in the dance-theatre of Japan.

**THEATRST237S - Shakespeare's Nature**

**Description**
This class explores conflicting and competing ideas about nature in Shakespeare's plays. We examine creatureliness, human and non-human, in relation to ideas of the natural and the supernatural.

**THEATRST239AS - Theater in London: Text**

**Description**
Drama in performance from the Greeks to the present based on performances offered by the Royal Shakespeare Company, Royal National Theatre, and other theaters in London. Twenty plays will be seen and studied. Satisfies Area I, II, or III requirement for English majors, as determined by instructor. (London summer program.)

**THEATRST240AS - Theater in London: Performance (DS4)**

**Description**
The stages of realization of a play or musical from the script to the production, focusing on productions in London. Aspects of theatrical performance through scene work, discussions, and workshops with British theater practitioners, observation of theater at work, and supervised projects. (London summer program.)

**THEATRST241 - Cabaret Workshop**

**Description**
Creation of a cabaret performance (solos and ensemble work) borrowing elements drawn from comedy, drama, music, dance, as well as other contemporary performable art forms, using European Cabaret form at the turn of the twentieth century where social commentary, debate, questioning and provocation prevailed, as a model.

**THEATRST242S - The Art of Improvising**

**Description**
We will explore techniques for spontaneous behavior, immediate creation, and developing your creativity and truth on stage. The goal of the class exercises will be to build community and collaboration, to deepen your communication skills, and to strengthen your natural sense of humor. We will study the works of Viola Spolin, Keith Johnstone, and iO.
THEATRST243 - Black Theater Workshop

Subject: THEATRST
Catalog Number: 243
Title: Black Theater Workshop

Description
Explore race and culture in America through texts of Black playwrights. Scene study by racially diverse class to engender feedback process. Juxtaposition of playwright's race to societal standards of universal content; relevance of actor's race to playwright's intent; historical context of Black Arts 'militant' plays of the 1960s-70s. Workshop culminates in public performance.

THEATRST244S - Musical Shakespeare

Subject: THEATRST
Catalog Number: 244S
Title: Musical Shakespeare

Description
William Shakespeare exerts a powerful influence, not only on literature and drama, but on the other arts as well. Composers from the Renaissance to present day, have created music expressly for the performance of his plays and sonnets. Our seminar will explore this repertoire by examining masterworks of music in relation to their Shakespearean antecedents.

THEATRST245 - The Body in Art in Early Modern Europe: Power and Limits of Corporeal Representations

Subject: THEATRST
Catalog Number: 245
Title: The Body in Art in Early Modern Europe: Power and Limits of Corporeal Representations

Description
This course studies the artistic representations of the human body in many guises: aesthetic, political, social, cultural, and erotic. It analyses the different strategies artists deployed to develop rhetorics of the body both physical and emotional. It considers different media (including painting, sculpture, drawings, prints, architecture, and gardens) and major theoretical frameworks (including feminist theory, phenomenology, social theory and somaesthetics). This course considers the body dynamically through composition, as object of investigation, as locus of meaning and through social understanding. Lectures and discussions are complemented by corporeal performances and improvisations.

THEATRST246S - Shakespeare Studio

Subject: THEATRST
Catalog Number: 246S
Title: Shakespeare Studio

Description
Study in approaches to acting Shakespeare text which focus on the actor's embodiment of text in ways which are organic, physical, and truthful. Use of text as the primary source for the actor's work. Students will have opportunity to act in class exercises and projects. Extensive scenework. Prerequisite: Theater Studies 145S and consent of instructor.
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<thead>
<tr>
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</thead>
<tbody>
<tr>
<td>THEATRST</td>
<td>247</td>
<td><strong>THEATRST247 - Alexander Technique for Musicians, Dancers, and Actors</strong></td>
<td>The Alexander Technique provides a structured method of self inquiry which has helped performing artists improve their skills for over 100 years. By uncovering and transforming previously unconscious movement patterns and mental habits, performers can significantly improve their skills by increasing freedom and ease of movement. All instrumentalists and singers with a strong interest and background in performance are welcome.</td>
</tr>
<tr>
<td>THEATRST</td>
<td>248S</td>
<td><strong>THEATRST248S - The Art of Public Speaking: The Natural Voice</strong></td>
<td>This course is open to undergraduate and graduate students at all levels of vocal exploration. It is for students who want to explore their own vocal habits and learn how each voice can be strengthened and sculpted. Whether for theater, public speaking, singing, or building confidence, this work addresses the unique possibilities of each individual voice. We will work with breathing exercises, text, tone, resonators, and movements. There will be assigned readings and presentations in class. Please note: it is up to the Director of Graduate Studies for a graduate student's academic program to allow an undergraduate course to count for a master's or doctoral degree.</td>
</tr>
<tr>
<td>THEATRST</td>
<td>249S</td>
<td><strong>THEATRST249S - Understanding Mediation</strong></td>
<td>Examines experience as always mediated. How does text mediate expression, or language mediate subjectivity? How do images mediate power, or sounds mediate resistance? How does computation mediate agency, or networks mediate thought? But also, how do nations mediate globalization, or oil mediate energy? And how do bodies mediate liveness, or the environment mediate history? Moves from particular media forms and examples (language, literature, the fine and performing arts, audiovisual media, computational media) to focus on key theoretical concepts and debates of critical theory from twentieth and twenty-first centuries. Crosses national boundaries to understand mediation from global perspective.</td>
</tr>
<tr>
<td>THEATRST</td>
<td>251AS</td>
<td><strong>THEATRST251AS - Duke in London: Arts</strong></td>
<td>This course surveys London as a site of dynamic cultural production, whose participation in the global marketplace of artistic commodities reveals the city's restless transnational, cosmopolitan character. Studying local institutions, students are introduced to the complex relationship among art, state, and the global cultural marketplace; studying a multiracial and multiethnic community, they become familiar with theories of globalization, neoliberalism, and cosmopolitanism, as well as migration and so-called national identity. Students also participate in excursions including dance, opera, and theatre productions and visits to museums and other sites of cultural importance.</td>
</tr>
</tbody>
</table>
THEATRST252FS - Performance and Citizenship in Asian America

**Subject**  
THEATRST

**Catalog Number**  
252FS

**Title**  
Performance and Citizenship in Asian America

**Description**  
The course examines the relationship between performance and citizenship with case studies drawn from Asian American history. Performance has been central to the formation and expression of citizenship since the beginning of US history, and for Asian Americans, who are stereotyped as 'perpetual foreigners,' the experience of becoming citizens have involved complex legal and cultural challenges that question what 'American' means broadly. Providing an interdisciplinary survey, the course includes studies of various forms of performances, including legal cases, activism, political campaigns, theater, film, and new media. Open only to Focus Program students.

THEATRST255S - Directing

**Subject**  
THEATRST

**Catalog Number**  
255S

**Title**  
Directing

**Description**  
Establishment of basic skills of information communication from script to stage to audience; analyzing texts from a director's point of view; basic stage articulation of viewpoint; development of skills in mechanics and staging techniques. Emphasis on scripts of poetic realists.

THEATRST261S - Costume Design

**Subject**  
THEATRST

**Catalog Number**  
261S

**Title**  
Costume Design

**Description**  
This course is designed to introduce students to the essentials of costume design and rendering. Emphasis will be placed on historical research, applying conceptual thought, and script and character analysis. Students will also explore and deepen visual art skills using figure drawing and various media as communication tools. No previous art or theatre experience necessary.

THEATRST262S - Scene Design

**Subject**  
THEATRST

**Catalog Number**  
262S

**Title**  
Scene Design

**Description**  
Study of theory and methodology of set design for stage through examination of historical and contemporary stage design as well as conceptualization, research, and development of design solutions for assigned plays.

THEATRST263S - Lighting Design

**Subject**  
THEATRST

**Catalog Number**  
263S

**Title**  
Lighting Design

**Description**  
Introduction to the process and practice of lighting design for the theater. Focus on text analysis, research, design process, instrumentation, control, color, design documents, and realization of designs in the theater. Includes the study of principles and practices, labs in design imagery, and projects in lighting design.

THEATRST264S - Puppetry

**Subject**  
THEATRST

**Catalog Number**  
264S

**Title**  
Puppetry

**Description**  
This course explores the conception and creation of various forms of puppetry. Students will investigate methods of building and performing puppets while looking into the strengths of different forms and styles. In addition students will be exposed to the incredible variety of contemporary world puppetry.

THEATRST273S - Screenwriting

**Subject**  
THEATRST

**Catalog Number**  
273S

**Title**  
Screenwriting

**Description**  
Advanced writing projects for feature film. Study of existing scripts and videos, application of techniques.

THEATRST275S - Acting For the Camera

**Subject**  
THEATRST

**Catalog Number**  
275S

**Title**  
Acting For the Camera

**Description**  
Introduction to film and television acting. Prerequisite: Theater Studies 145S Acting.
THEATRST277 - The Dramatic Monster: Horror on Stage and Screen

Subject: THEATRST
Catalog Number: 277
Title: The Dramatic Monster: Horror on Stage and Screen

Description:
The evolving image of the 'monster' on stage and screen, from the Victorian melodrama Sweeney Todd to the psychological-horror shocker Audition. Students will give oral reports (with appropriate clips) on horror movies past and present, beginning with the classic silent Cabinet of Dr. Caligari. Focus on how anxieties of different eras give rise to the different nightmares that play themselves out in the darkness of our theaters.

THEATRST280S - Dramatic Writing

Subject: THEATRST
Catalog Number: 280S
Title: Dramatic Writing

Description:
Fundamentals of writing for stage.

THEATRST281S - The Dialog Laboratory: Experiences in Group Communication

Subject: THEATRST
Catalog Number: 281S
Title: The Dialog Laboratory: Experiences in Group Communication

Description:
Interactive, performance-based course grounded in dialog and discussion. Open-ended components of the course make learning emerge through doing, reflecting, and adjusting to the particularities of the people involved. Strong emphasis on student-built directions and norms. The laboratory approach to the classroom empowers students to decide how dialog skills are used and what goals to pursue individually and collectively. A course for self-directed students seeking sustained adventures into new communicative experiences and sharpened audience adaptation. Instructor feedback and readings provide ample concepts to service students' needs and goals.

THEATRST282S - Writing Movies and Plays: Adaptation

Subject: THEATRST
Catalog Number: 282S
Title: Writing Movies and Plays: Adaptation

Description:
Theory and practice of the process of adaptation of serious literary works of fiction to screenplay or play form. Reading and analysis of literary works adapted as screenplays and plays. Project in writing an adaptation.
### THEATRST283S - Writing about Performance

**Subject**  
THEATRST  
**Catalog Number**  
283S  
**Title**  
Writing about Performance

**Description**  
Inquiry into the concept of 'performance' broadly construed—not only as it refers to 'staged' concerts or plays, but also as social ritual and as self-presentation, appropriately situated in cultural context. Writing experiments aimed at capturing the ephemeral nature of live performance, with attention to how meaning is enacted through movement, sound, lighting, rhythm, voice, emotion, and audience interaction. Regular writer's workshops and field trips to theater, dance, and musical performances. Students compose critical reviews and a research project on a performance genre, an artist's approach, or other related topic of their choosing. Prerequisite: Writing 101.

### THEATRST285S - Ready for Prime Time: Writing the Dramatic TV Episode

**Subject**  
THEATRST  
**Catalog Number**  
285S  
**Title**  
Ready for Prime Time: Writing the Dramatic TV Episode

**Description**  
Some of the best dramatic writing today can now be found on television. This class will focus on one commercial prime-time drama, past or present. Beginning with a deep immersion into the world of that show—watching all of Season One—students break into groups, coming up with their own long stories to advance the plots. Each student will pitch a story for their particular version of 'Season Two'—developing an outline, tracking their storylines with the other members of their group, and finally writing a draft of an hour-long TV episode. Each student will write his or her own script—but will need to share notes, thoughts and feedback with their fellow writers.

### THEATRST290-1 - Special Topics in Dramatic Literature

**Subject**  
THEATRST  
**Catalog Number**  
290-1  
**Title**  
Special Topics in Dramatic Literature

**Description**  
May be repeated for credit.

### THEATRST290-4 - Special Topics in Theater Studies Workshop

**Subject**  
THEATRST  
**Catalog Number**  
290-4  
**Title**  
Special Topics in Theater Studies Workshop

**Description**  
Research, study, and exploration of a selected dramatic text or texts, other performance material, and/or particular aspects of performance (historical, cultural, textual, or stylistic). Emphasis on the process of investigating a text—both in theory and in practice. Culminates in performance or presentation. May be repeated for credit. Consent of instructor required.

### THEATRST290S-2 - Special Topics in Acting

**Subject**  
THEATRST  
**Catalog Number**  
290S-2  
**Title**  
Special Topics in Acting

**Description**  
May be repeated for credit. Instructor consent required.

### THEATRST290S-4 - Special Topics in Theater Studies

**Subject**  
THEATRST  
**Catalog Number**  
290S-4  
**Title**  
Special Topics in Theater Studies

**Description**  
Topics vary. May be repeated for credit.
THEATRST290S-5 - Special Topics in Arts Management

Subject
THEATRST

Catalog Number
290S-5

Title
Special Topics in Arts Management

Description
Topics in aspects of arts management.

THEATRST290S-6 - Special Topics in Film

Subject
THEATRST

Catalog Number
290S-6

Title
Special Topics in Film

Description
Topics Vary.

THEATRST291 - Independent Study

Subject
THEATRST

Catalog Number
291

Title
Independent Study

Description
Individual directed study in a field of special interest on a previously approved topic, under the supervision of a faculty member, resulting in an academic or artistic product. Consent of instructor and the director of undergraduate studies required.

THEATRST309S - Dancing States of Mind: The Self, Social and Political Practice of Dance

Subject
THEATRST

Catalog Number
309S

Title
Dancing States of Mind: The Self, Social and Political Practice of Dance

Description
Practice-based studio work, discussion, and readings in current political discourse, System Theory, contemporary philosophy and cultural theory. Reveals the culturally constructed nature of dance in Western society - its manner of production, dissemination and aesthetics - and examines the consequences of 'the cultured flesh' as a mode of propaganda. The cultivation of students' radically subjective creativity, artistic experimentation, awareness, perception and expression, in order to understand and challenge the status quo; and to integrate abstract concepts into one's own physical existence and redefine assumptions by moving right through them.

THEATRST310S - Non-Profit Cultural Institutions

Subject
THEATRST

Catalog Number
310S

Title
Non-Profit Cultural Institutions

Description
Non-profit cultural institutions are an integral part of arts communities at all levels: national, regional, local. Through readings, projects and service-learning, students gain overview of non-profit cultural organization formation, management, operational structures, governance challenges, board member responsibilities and situational ethics. Explores historical and present functions and social structures in which nonprofit tax-exempt organizations operate. Investigates how nonprofit cultural institutions have increasingly become a vehicle for fostering creativity in the arts and humanities. Students partner with local non-profit arts/cultural organizations to work on specific projects.

THEATRST317 - Professional Internship

Subject
THEATRST

Catalog Number
317

Title
Professional Internship

Description
Supervised work on a professional production; focus may be on acting, design, playwriting, theater administration, or stage management. Written analysis of both the process of producing as well as the final production. Consent of instructor required. Offered only on Satisfactory/Unsatisfactory basis.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>THEATRST318</td>
<td>THEATRST</td>
<td>318</td>
<td>Professional Internship</td>
<td>Same as 317, but for work that extends over a full term. Consent of instructor required. Offered only on Satisfactory/Unsatisfactory basis.</td>
</tr>
<tr>
<td>THEATRST320S</td>
<td>THEATRST</td>
<td>320S</td>
<td>Movement in Question: Introduction to Critical Dance Studies</td>
<td>This writing-intensive seminar casts students as a research team engaging in multiple ways with the interdisciplinary field of critical dance studies. Students read and analyze foundational texts and theories, develop capacity to interpretively analyze movement, and practically engage in embodied activities that make gaps between textual representation and embodiment visible. This holistic approach throws movement into question and centralizes dance as a critical way of making the social world. Final Research Projects include conventional academic papers or choreographed performances that engage issues raised in the course. Zero dance experience required. All physical abilities welcomed.</td>
</tr>
<tr>
<td>THEATRST322S</td>
<td>THEATRST</td>
<td>322S</td>
<td>Chekhov</td>
<td>Drama and prose works. Taught in English. Not open to students who have taken Theater Studies 157S/Russian 174S (Chekhov).</td>
</tr>
<tr>
<td>THEATRST323</td>
<td>THEATRST</td>
<td>323</td>
<td>The Actress: Celebrity and the Woman</td>
<td>Explores through fiction, film, autobiographies, and biographies the significance and influence of the actress (on stage and screen) from eighteenth century to present day. Highlighted topics: actress’s self-image and perception of her art; relationship between her public profession and private life; how she reflects/sets contemporary standards for beauty and lifestyle; how she provokes public debate over women’s ‘appropriate’ sexual, familial, professional, and public roles; her function as symbol/role model for her gender, race, nation. Includes Sarah Bernhardt's memoirs, Chekhov’s The Seagull, Susan Sontag's In America, films All About Eve and Mommie Dearest. Taught in English.</td>
</tr>
</tbody>
</table>
### Modern Drama: 1880-1940

**THEATRST 334S**  
**Subject:** THEATRST  
**Catalog Number:** 334S  
**Title:** Modern Drama: 1880-1940  

**Description:** In this course, we analyze key texts from the history of modern dramatic literature starting in the late nineteenth century and proceeding to 1940. Starting with the flourishing of realism and naturalism in Scandinavia, we trace the rapid evolution of dramatic forms that characterized playwriting in Europe, England, and the United States. We will analyze not only the scripts but also various productions of each of these significant plays by significant playwrights, ranging from Henrik Ibsen and August Strindberg to Gertrude Stein and Eugene O’Neill.

### Modern Drama: 1940-2000

**THEATRST 335S**  
**Subject:** THEATRST  
**Catalog Number:** 335S  
**Title:** Modern Drama: 1940-2000  

**Description:** In this course, we analyze key texts from the history of modern dramatic literature starting in 1940 and proceeding to the end of the twentieth century. Starting with the ‘non-Aristotelian’ drama of Bertolt Brecht, we trace the rapid evolution of dramatic forms that characterized playwriting in Europe, England, and then the United States. We will analyze not only the scripts but also various productions of each of these significant plays by significant playwrights, ranging from Bertolt Brecht and Samuel Beckett to Tony Kushner and Sarah Kane.

### Shakespeare through 1600

**THEATRST 336**  
**Subject:** THEATRST  
**Catalog Number:** 336  
**Title:** Shakespeare through 1600  

**Description:** Examination of twelve plays by Shakespeare written before 1600. Satisfies Area I requirement for English majors.

### Shakespeare After 1600

**THEATRST 337**  
**Subject:** THEATRST  
**Catalog Number:** 337  
**Title:** Shakespeare After 1600  

**Description:** Examination of ten plays by Shakespeare written after 1600. Not open to students who have taken Theater Studies 239A. Satisfies Area I requirement for English majors.

### Globalization and Theater

**THEATRST 338S**  
**Subject:** THEATRST  
**Catalog Number:** 338S  
**Title:** Globalization and Theater  

**Description:** This course surveys the various ways in which contemporary theatre has been created and circulated in a global context.

### Solo Performance

**THEATRST 340S**  
**Subject:** THEATRST  
**Catalog Number:** 340S  
**Title:** Solo Performance  

**Description:** The makings of solo performance. Creation of personal presentation through journal writing, memory exploration, and personal interests. Exploration of text through voice work, storytelling, and choreography of the solo performer through movement, gesture, and props. Previous theater or dance experience plus instructor consent required.
THEATRST 341S - The Black Parades: African Diaspora Parade Culture and Radical Resistance

Subject: THEATRST
Catalog Number: 341S
Title: The Black Parades: African Diaspora Parade Culture and Radical Resistance

Description:
The Black Parades: African Diaspora Parade Culture and Radical Resistance explores African diaspora parades as the embodiment of political activism, cultural and social imagination, identity construction, and radical resistance in action. From dance, music, food, socio-political meaning, and cultural symbolism, we will examine Carnival, Oshún Festival in Nigeria and Philadelphia, Emancipation Day in Trinidad, Second Line in New Orleans, USA Juneteenth, Garifuna Settlement Day Belize, Black Pride in Africa and the USA, the 1968 Poor Peoples March, Home Coming Day Parades, West Indian Day Parade in NYC, Martin Luther King Jr. Day Parades, and the Harlem Hell Fighters Parade.

THEATRST 343S - The Acoustic Image in the Renaissance

Subject: THEATRST
Catalog Number: 343S
Title: The Acoustic Image in the Renaissance

Description:
Examines the dynamics between Renaissance voice, sound, and the body. Navigates the intersections between literary and performance histories. Studies the crossroads of personal and collective identity, issues of gender relations, factors of agency and exclusion, and the instruments of power that govern vocal expression. Readings and listenings include works by Homer, Ovid, Sappho, Petrarch, Costa, Monteverdi, Behn, Lope de Vega, Corneille, and others. Thematic units featured: voice in theory, the autobiographical pen, the political chorus, and performing the resilient body. Questions discussed: Who is allowed a voice? What do voices measure? What voices get heard? And who listens?

THEATRST 345S - Advanced Acting: Contemporary Texts

Subject: THEATRST
Catalog Number: 345S
Title: Advanced Acting: Contemporary Texts

Description:
Scene study based on reading, analysis, and research. Examination and development of performance/critical choices. Prerequisite: Theater Studies 145S and consent of instructor.

THEATRST 347S - The Moving and Sounding Body

Subject: THEATRST
Catalog Number: 347S
Title: The Moving and Sounding Body

Description:
This acting course offers a constellation of embodied techniques from the traditions of physical acting, laboratory theater, and devised performance. We will playfully investigate creative articulation of the poetic body and its voice as an integrated system using diverse texts, found objects, site-specific observations, and imagination. The course is intended to support acting performers as they develop strategies for a wider range of creative expression and character interpretation through sensorial awareness, embodied sound production, and transformative gesture for stage, film, and performance art.

THEATRST 350-1 - Mainstage Acting (Top)

Subject: THEATRST
Catalog Number: 350-1
Title: Mainstage Acting (Top)

Description:
Students analyze, research, rehearse, and produce a theatrical text for public performance under the direction of a Theater Studies faculty or a guest professional. Because this section focuses on acting, students must audition and be cast for a role by the instructor and/or director before enrolling. Consent of instructor required. Topic vary per semester. This course may be repeated for credit.

THEATRST 350-2 - Mainstage Design and Tech (Topics)

Subject: THEATRST
Catalog Number: 350-2
Title: Mainstage Design and Tech (Topics)

Description:
Students analyze, research, design, and produce a theatrical text for public performance under the direction of a Theater Studies faculty or a guest professional. This section focuses on design, dramaturgy, management, or production. No prior experience or audition required. Topics vary per semester. May be repeated for credit.
<table>
<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>THEATRST</td>
<td>351S</td>
<td>Directing Chekhov</td>
</tr>
</tbody>
</table>

**Description**

Seminar in directing with emphasis on directing actors, demonstration and laboratory exercises, text analysis, and rehearsal techniques. Examination of rehearsal working methods, development of performance choices, exploration of material and process with emphasis on the plays of Chekhov. Explores visual and conceptual material of directing, and problems of working in performance. Includes a video project—students videotape their directing work and accomplish post-production—edit and production of a digital video file. Projects evaluated on basis of composition, visual interest, and narrative force. Pre-req: THEATRST 145S and consent of instructor.

<table>
<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>THEATRST</td>
<td>364</td>
<td>Performance and Technology: Composition Workshop</td>
</tr>
</tbody>
</table>

**Description**

Workshop exploration of technologies embedded in performance: robots, media, computer interface. Students create performance projects and discuss theoretical and historical implications of technologies in performance. Open to dancers, actors, musicians, spoken word artists and all those interested in technology and the arts. No previous experience or programming skills required.

<table>
<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>THEATRST</td>
<td>365S</td>
<td>Modern American Drama</td>
</tr>
</tbody>
</table>

**Description**

While the playwright names—Eugene O'Neill, Tennessee Williams, Edward Albee—may be familiar, do American playgoers know how weird these artists' works can be? This survey course tracks some of twentieth- and twenty-first century's most recognizable dramas, focusing on the theatre's potential for formal innovation as well as social commentary. Plays include Williams's A Streetcar Named Desire, Arthur Miller's Death of a Salesman, Anna Deavere-Smith's Twilight Los Angeles, 1992, Tony Kushner's Angels in America, and Annie Baker's The Flick. Evaluation will be based on online response posts, two formal essays, one oral presentation, and class participation. No prerequisites necessary.

<table>
<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>THEATRST</td>
<td>371</td>
<td>Artists in Healthcare: Collaborations and Complexities</td>
</tr>
</tbody>
</table>

**Description**

The economically over-burdened US health care system and extended life expectancies for older adults offer a unique opportunity for working artists—not arts therapists—to intervene in the rapidly expanding field of integrative art and health. Rather than study health outcomes as indicators of 'success,' we centralize creative practice as our axis of inquiry. Course readings, interviews, and field visits to a Durham-based intervention highlight power imbalances and cultural sensitivities in hospitals, clinical care, assisted living, and nonprofit community care contexts. Culminates in student driven case studies of local arts work and workarounds.
<table>
<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>THEATRST375S</td>
<td>375S</td>
<td>Contemporary American Drama</td>
</tr>
<tr>
<td>THEATRST380S-1</td>
<td>380S-1</td>
<td>Playmaking for Writers: Collaboration from Page to Stage</td>
</tr>
<tr>
<td>THEATRST380S-2</td>
<td>380S-2</td>
<td>Playmaking for Actors and Directors: Collaboration from Page to Stage</td>
</tr>
<tr>
<td>THEATRST390A</td>
<td>390A</td>
<td>Duke-Administered Study Abroad: Advanced Special Topics in Theater Studies</td>
</tr>
<tr>
<td>THEATRST390S-1</td>
<td>390S-1</td>
<td>Special Topics in Directing</td>
</tr>
<tr>
<td>THEATRST390S-2</td>
<td>390S-2</td>
<td>Special Topics in Dramatic Writing</td>
</tr>
</tbody>
</table>

### THEATRST375S - Contemporary American Drama

**Subject:** THEATRST  
**Catalog Number:** 375S  
**Title:** Contemporary American Drama  
**Description:** How does an artform like dramatic literature theorize concepts like 'contemporary' or 'American'? This course studies contemporary drama to explore how we might understand our current moment beyond chronology and Americaness beyond national distinctiveness. For instance, did the 'contemporary' begin with 9/11, the Great Recession, or our current political upheavals? Does 'American' signify a set of affects, histories, and discourses that are shared by some but not others? To pursue these and other queries, we will read works by Lynn Nottage, Ayad Akhtar, Sarah Ruhl, Matthew Lopez, among others. We plan for at least one trip to see performances in New York City, conditions permitting.

### THEATRST380S-1 - Playmaking for Writers: Collaboration from Page to Stage

**Subject:** THEATRST  
**Catalog Number:** 380S-1  
**Title:** Playmaking for Writers: Collaboration from Page to Stage  
**Description:** Dramatic writing for stage, screen or film, is not meant to be read, like a novel or poem, it's meant to be performed. In this class, student writers explore the 'liveness' of dramatic writing in collaboration with actors and directors. Starting with writing exercises that aim at the core concept of 'dramatic action', students' progress to self-generated works. Semester ends with public presentation of student work as brought to the stage by the companion section for actors and directors. Prerequisite: one previous dramatic writing course in playwriting, TV writing, or screenwriting.

### THEATRST380S-2 - Playmaking for Actors and Directors: Collaboration from Page to Stage

**Subject:** THEATRST  
**Catalog Number:** 380S-2  
**Title:** Playmaking for Actors and Directors: Collaboration from Page to Stage  
**Description:** Dramatic writing for stage, screen or film is not meant to be read, like a novel or poem, it's meant to be performed. In this class, students collaborate with students in the companion section (Playmaking for Writers) to explore the 'liveness' of dramatic writing as actors and directors. Semester ends with public presentation of the work that's been written and brought to life on stage by the class. Prerequisites: THEATRST 145S or THEATRST 255S.

### THEATRST390A - Duke-Administered Study Abroad: Advanced Special Topics in Theater Studies

**Subject:** THEATRST  
**Catalog Number:** 390A  
**Title:** Duke-Administered Study Abroad: Advanced Special Topics in Theater Studies  
**Description:** Topics differ by section.

### THEATRST390S-1 - Special Topics in Directing

**Subject:** THEATRST  
**Catalog Number:** 390S-1  
**Title:** Special Topics in Directing  
**Description:** Topics vary each semester offered.

### THEATRST390S-2 - Special Topics in Dramatic Writing

**Subject:** THEATRST  
**Catalog Number:** 390S-2  
**Title:** Special Topics in Dramatic Writing  
**Description:** May be repeated for credit.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>THEATRST390S-3</td>
<td>THEATRST</td>
<td>390S-3</td>
<td>Special Topics in Design</td>
<td>Topics in aspects of theatrical design. Topics vary each semester offered, may be repeated for credit.</td>
</tr>
<tr>
<td>THEATRST390S-4</td>
<td>THEATRST</td>
<td>390S-4</td>
<td>Special Topics in Performance Studies</td>
<td>Topics vary by semester. May be repeated for credit.</td>
</tr>
<tr>
<td>THEATRST390S-6</td>
<td>THEATRST</td>
<td>390S-6</td>
<td>Special Topics in Theater History</td>
<td>Special Topics in Theater History. Topics vary per semester. May be repeated for credit.</td>
</tr>
<tr>
<td>THEATRST402S</td>
<td>THEATRST</td>
<td>402S</td>
<td>History of Acting</td>
<td>This course surveys major acting traditions from around the world. Readings provide historical and theoretical perspectives on acting, and assignments require students to engage with the topic as researchers. Students will learn about various philosophical and artistic understandings of embodiment and about the political and societal roles actors have played throughout history. Students will work on research projects and will be required to write a research paper. (Does not fulfill the capstone requirement for History).</td>
</tr>
<tr>
<td>THEATRST425S</td>
<td>THEATRST</td>
<td>425S</td>
<td>Advanced Writing for Stage and Screen</td>
<td>'Advanced Writing for Stage and Screen' will look at the strengths of three dramatic art-forms - playwriting, screen and TV writing - and the particular challenge they share: the concept of 'dramatic action' which provides the 'motor' for a dramatic work. Initial writing exercises will explore these dramatic-writing forms, in conjunction with the study of representative plays, films and TV series. Final projects - a play, screenplay or TV pilot - will be discussed and critiqued in class as they progress, prior to a final rewrite. Prerequisite for this course is one previous dramatic writing course - either playwriting or screenwriting.</td>
</tr>
<tr>
<td>THEATRST493-1</td>
<td>THEATRST</td>
<td>493-1</td>
<td>Research Independent Study</td>
<td>Individual research in a field of special interest, under the supervision of a faculty member, resulting in a substantive paper or written report containing significant analysis and interpretation of a previously approved topic. Consent of instructor and director of undergraduate studies required.</td>
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<tr>
<td>Subject</td>
<td>Catalog Number</td>
<td>Title</td>
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<tr>
<td>THEATRST495</td>
<td>495</td>
<td>Senior Distinction</td>
<td>Consent of instructor required.</td>
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<tr>
<td>THEATRST89S</td>
<td>89S</td>
<td>First-Year Seminar</td>
<td>Topics vary each semester offered.</td>
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<tr>
<td>TIBETAN101</td>
<td>101</td>
<td>Elementary Tibetan I</td>
<td>Introductory Tibetan language course for students who have little to no knowledge of Tibetan. Development of speaking, listening, reading, writing skills through Tibetan concepts, grammar and syntax of spoken and written Tibetan. Topics include situations of everyday life (e.g. greetings, introductions, family, habits/hobbies, making appointments, food, visiting friends, weather, shopping, etc.) as well as aspects of Tibetan people and culture (e.g. songs, short stories, etc.). Course taught at University of Virginia; Duke students participate through video conference and/or telepresence classroom.</td>
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<tr>
<td>TIBETAN102</td>
<td>102</td>
<td>Elementary Tibetan II</td>
<td>Continuation of Tibetan 101. Prerequisite: Tibetan 101 or equivalent. Development of speaking, listening, reading, writing skills through Tibetan concepts, grammar and syntax of spoken and written Tibetan. Topics include situations of everyday life (e.g. greetings, introductions, family, habits/hobbies, making appointments, food, visiting friends, weather, shopping, etc.) as well as aspects of Tibetan people and culture (e.g. songs, short stories, etc.). Course taught at University of Virginia; Duke students participate through video conference and/or telepresence classroom.</td>
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<tr>
<td>TIBETAN203</td>
<td>203</td>
<td>Intermediate Tibetan I</td>
<td>Intermediate skill-building in the grammar and syntax of spoken and written Tibetan, along with development of skills in listening, speaking, reading and writing through the integrated use of spoken and literary forms. Students will also enhance their knowledge of Tibetan culture in order to improve their communication skills. Course taught at University of Virginia; Duke students participate through video conference and/or telepresence classroom. Prerequisite: Tibetan 102 Elementary Tibetan II or equivalent.</td>
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<tr>
<td>TIBETAN204</td>
<td>204</td>
<td>Intermediate Tibetan II</td>
<td>Intermediate skill-building in the grammar and syntax of spoken and written Tibetan, along with development of skills in listening, speaking, reading and writing through the integrated use of spoken and literary forms. Students will also enhance their knowledge of Tibetan culture in order to improve their communication skills. Course taught at University of Virginia; Duke students participate through video conference and/or telepresence classroom. Prerequisite: Tibetan 203 or equivalent.</td>
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<tr>
<td>Subject</td>
<td>Catalog Number</td>
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<tr>
<td>TIBETAN</td>
<td>301</td>
<td>Advanced Modern Tibetan I</td>
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<td></td>
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<tr>
<td>TIBETAN</td>
<td>302</td>
<td>Advanced Modern Tibetan II</td>
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<tr>
<td>TURKISH</td>
<td>101</td>
<td>Elementary Turkish</td>
<td></td>
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<tr>
<td>TURKISH</td>
<td>101D</td>
<td>Elementary Turkish</td>
<td></td>
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<tr>
<td>TURKISH</td>
<td>102</td>
<td>Elementary Turkish</td>
<td></td>
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<tr>
<td>TURKISH</td>
<td>112</td>
<td>Accelerated Elementary Turkish Language and Culture</td>
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</tbody>
</table>

**TIBETAN301 - Advanced Modern Tibetan I**

**Description**
A continuation of the Intermediate Tibetan language sequence, focusing on advanced grammar, syntax, and structures. Emphasis is laid on mastering comprehension and communication in colloquial Tibetan, writing skills in the various scripts of literary Tibetan, and integrating comprehension of colloquial and literary forms. Course taught at University of Virginia; Duke students participate through video conference and/or telepresence classroom. Prerequisite: Tibetan 204 or equivalent.

**TIBETAN302 - Advanced Modern Tibetan II**

**Description**
A continuation of the Advanced Modern Tibetan I course, focusing on advanced grammar, syntax, and structures, as well as texts from a variety of media and genre: conversation transcripts, lecture transcripts, newspaper articles, academic essays, short stories, dramatic/comedy skits, magazine articles, radio-TV transcripts. Emphasis is laid on mastering comprehension and communication in colloquial Tibetan, writing skills in the various scripts of literary Tibetan, and integrating comprehension of colloquial and literary forms. Course taught at University of Virginia; Duke students participate through video conference and/or telepresence classroom. Prerequisite: Tibetan 301 or equivalent.

**TURKISH101 - Elementary Turkish**

**Description**
Remote synchronous course. Meetings held via Zoom. Introduce basic Turkish language forms and the daily culture in modern-day Turkey. Explore everyday life and culture in Turkish through media such as YouTube videos and songs. Attain the Novice High level according to ACTFL proficiency guidelines: the ability to exchange greetings in appropriate settings, give basic information about self, and identify familiar objects. No prior Turkish is required.

**TURKISH101D - Elementary Turkish**

**Description**
Remote synchronous course. Meetings held via Zoom. Introduce basic Turkish language forms and the daily culture in modern-day Turkey. Explore everyday life and culture in Turkish through media such as YouTube videos and songs. Attain the Novice High level according to ACTFL proficiency guidelines: the ability to exchange greetings in appropriate settings, give basic information about self, and identify familiar objects. No prior Turkish is required.

**TURKISH102 - Elementary Turkish**

**Description**
Remote synchronous course. Meetings held via Zoom. Introduce basic Turkish language forms. Explore everyday life and culture in Turkish through media. Attain the Intermediate Low level according to ACTFL proficiency guidelines: the ability to converse about familiar subjects, keep the conversation about self and family, produce more than one sentence, produce present tense, and some past tense. Prior language experience required (Either completing Turkish 101 or its equivalent. Otherwise, please see the Instructor for a placement test).

**TURKISH112 - Accelerated Elementary Turkish Language and Culture**

**Description**
Turkish language course covering both Turkish 101 and 102 in one semester. Introduction to the basic forms of Turkish language and daily culture in modern day Turkey. No prior Turkish is required.
TURKISH203 - Intermediate Turkish

Description
Remote synchronous course. Meetings held via Zoom three times a week. Attain the Intermediate level according to ACTFL proficiency guidelines: ability to produce sentences in various past time frames, easily converse in daily routine and social situations, school, work, personal preferences, narrate a string of sentences and can be understood by native speakers. Prior language experience required (Either completing Turkish 102 or its equivalent. Otherwise, please see the Instructor for a placement test).

TURKISH204 - Intermediate Turkish

Description
Remote synchronous course. Meetings held via Zoom. Attain the Intermediate High level according to ACTFL proficiency guidelines: ability to communicate in both informal and formal settings, to express in all present, past, and future time frames, to write a short narrative. Prior language experience required. (Either completing Turkish 203 or its equivalent. Otherwise, please see the Instructor for a placement test).

TURKISH232A - The Cognitive Science of Religion and Morality

Description
Review of recent theories of mind in cognitive science as they pertain to the nature of belief in God, religious practices, and moral attitudes. Arguments in ethics and philosophy of religion as they apply to Judaism, Christianity, and Islam. Offered only in the Duke in Istanbul semester study abroad programs. Consent of instructor required.

TURKISH305 - Contemporary Turkish Composition and Readings

Description
Advanced grammar and syntax with intense composition component. Analytical readings in the original. Prerequisite: Turkish 204 or permission of instructor.

TURKISH306 - Contemporary Turkish Composition and Readings

Description
Continuation of Turkish 305. Prerequisite: Turkish 305 or permission of instructor.

TURKISH391 - Turkish Independent Study

Description
Guided reading and writing program for students of Turkish with a focus on research into primary source texts in Turkish. Students desiring to take this course must have proficiency at the third year level of higher. Instructor consent required.
UKRAIN111 - Intensive Elementary Ukrainian

**Subject**
UKRAIN

**Catalog Number**
111

**Title**
Intensive Elementary Ukrainian

**Description**
Ukrainian 1 and 2 combined in one semester. Two meetings daily. Required recording-listening practice in the language laboratory. Work on understanding, speaking, reading, and writing. Survey of main elements of grammar. No preliminary knowledge of Ukrainian necessary. Director of Undergraduate Studies consent required.

UNIV101D - Let's Talk About Race

**Subject**
UNIV

**Catalog Number**
101D

**Title**
Let's Talk About Race

**Description**
This university course will provide foundational knowledge about and explore the origins and meanings of the concept of race. It will examine the evolution, pervasiveness, and consequences of racial classifications and racial hierarchies in the U.S. and around the world. The course will also introduce students to the concept that race is linked to all disciplines and will highlight scholarship and scholars from across Duke. Weekly opportunities for reflection and discussion will be woven into the course, with teaching students how to constructively engage in potentially difficult conversations as an express goal.

UNIV102 - Let's Talk About Climate Change

**Subject**
UNIV

**Catalog Number**
102

**Title**
Let's Talk About Climate Change

**Description**
How we speak shapes how we think and act. This course examines how the natural and social sciences, and the humanities and the fine arts, equip people to speak about, analyze and evaluate the many ways climate change is affecting our world today. It gives students the philosophical tools they need to imagine and implement a more just and hopeful future. No prerequisites required.

UNIV103D - Let's Talk About Digital You: A Technical and Ethical Exploration of a Data-Centric World

**Subject**
UNIV

**Catalog Number**
103D

**Title**
Let's Talk About Digital You: A Technical and Ethical Exploration of a Data-Centric World

**Description**
This course explores the technical and ethical aspects of a data-centric world. Students will learn about the technology underlying various digital experiences and then explore the ethical, policy, and social implications of the technology.

URDU101 - The Urdu Script

**Subject**
URDU

**Catalog Number**
101

**Title**
The Urdu Script

**Description**
Learn how to read and write the Urdu script (Nastaliq); review basic grammar topics; reading and writing assignments based on the website Darvazah.

URDU102 - Urdu and Its Cultures

**Subject**
URDU

**Catalog Number**
102

**Title**
Urdu and Its Cultures

**Description**
This course continues with practice in the Urdu script, basic grammar, and sentence structure, including past and future tenses. The focus is on developing practical skills in Urdu through speaking, listening, reading, and writing. Introduces students to critical issues in Indian-Pakistani society, history, and culture. Recommended prerequisite: Urdu 101 or a placement test.
<table>
<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>VMS</td>
<td>103</td>
<td>Traditions in Documentary Studies</td>
<td>Traditions of documentary work seen through an interdisciplinary perspective, with an emphasis on twentieth-century practice. Introduces students to a range of documentary idioms and voices, including the work of photographers, filmmakers, oral historians, folklorists, musicologists, radio documentarians, and writers. Stresses aesthetic, scholarly, and ethical considerations involved in representing other people and cultures.</td>
</tr>
<tr>
<td>VMS</td>
<td>103D</td>
<td>Traditions in Documentary Studies</td>
<td>Traditions of documentary work seen through an interdisciplinary perspective, with an emphasis on twentieth-century practice. Introduces students to a range of documentary idioms and voices, including the work of photographers, filmmakers, oral historians, folklorists, musicologists, radio documentarians, and writers. Stresses aesthetic, scholarly, and ethical considerations involved in representing other people and cultures.</td>
</tr>
<tr>
<td>VMS</td>
<td>106S</td>
<td>The Documentary Experience: A Video Approach</td>
<td>A documentary approach to the study of local communities through video production projects assigned by the course instructor. Working closely with these groups, students explore issues or topics of concern to the community. Students complete an edited video as their final project. Not open to students who have taken this course as Film/Video/Digital 105S.</td>
</tr>
<tr>
<td>VMS</td>
<td>115S</td>
<td>Introduction to Black and White Photography</td>
<td>Foundation class in photography utilizing black and white film and a wet darkroom. Shoot, process, and print individual student work throughout the semester. Emphasis on the documentary approach and a continual visual exploration of meaning and metaphor in the form of regular assignments, slide lectures of important historic and contemporary photographic work, and critiques of each other's work. No textbooks are required, though students will need to budget a comparable amount for supplies and equipment.</td>
</tr>
<tr>
<td>VMS</td>
<td>125L</td>
<td>Foundations of Game Design</td>
<td>Exploration of the theory and practice of game design with a focus on critical play, game decomposition, and iterative design. Students explore a range of non-digital games to discover how design elements combine to form meaningful systems of play. Readings, discussion, and hands-on design exercises prepare students as they design, develop, and document meaningful games in a collaborative environment. Programming experience is not required.</td>
</tr>
<tr>
<td>VMS</td>
<td>130</td>
<td>Anthropology and Film</td>
<td>The study of feature films and documentaries on issues of colonialism, imperialism, war and peace, and cultural interaction. An introduction to critical film theory and film production in non-Western countries.</td>
</tr>
</tbody>
</table>

Duke University
VMS131 - Experimental Drawing: Image and Bit Play

Subject: VMS  
Catalog Number: 131  
Title: Experimental Drawing: Image and Bit Play

Description: Approaches the creation of digital image-making in collective play. Includes individual and group brainstorming using different digital and traditional analogue processes (drawing, painting, and collage) to study how the ludic (play) enables creative thinking and experimentation in digital image manipulation. Database of images presented from multiple genres. Students work on outside assignment critiqued at end of class.

VMS135 - Experimental Sculpture and Installation Art

Subject: VMS  
Catalog Number: 135  
Title: Experimental Sculpture and Installation Art

Description: This course explores ideas surrounding the creation of experimental sculpture. Employs non-traditional methods: 'readymades,' non-traditional materials, conceptual processes, digital interaction and fabrication techniques (rapid prototyping), mixed media including video, and projection technologies. Content of work driven by individual student interests—sustainability, the anthropocene, feminism, social and political commentary, and/or more formal, abstract sculptural relations. Instructor consent required.

VMS140 - Create, Innovate, Act: Creativity, Innovation, and Social Action

Subject: VMS  
Catalog Number: 140  
Title: Create, Innovate, Act: Creativity, Innovation, and Social Action

Description: Introductory course for first and second year undergraduates. This course bridges sciences, arts, and humanities, with focus on experiential knowledge and engagement with the everyday. Combines methods from broad range of areas based on creative inquiry and innovation. Students choose particular areas, or combination thereof, discussing their own research, inventions, artworks, compositions, performances, new media, or activist interventions. Specific skills developed at specialized maker spaces, labs, and studios. With exception of guest presentations, lectures delivered in video format to maximize class time production. Guest speakers include artists, activists, innovators, entrepreneurs, curators, and scholars.

VMS141S - Audiovisual Cultures in East Asia: Film, Music, and Other Media

Subject: VMS  
Catalog Number: 141S  
Title: Audiovisual Cultures in East Asia: Film, Music, and Other Media

Description: This seminar introduces students to various aspects of audiovisual cultures in East Asia, including film, photography, music and other new and emerging media. It focuses on visual and sound studies and their interconnected relationship to the constitution of the sensible world within the East Asian regions while connecting to the larger global context, highlighting the global movement and cross-cultural networks of audiovisual media both enabled and complicated by technologies. Emphases are also placed on hand-on practice with individual and group projects. The goal is to not only understand audiovisual cultures critically but also actively engage in their production.
<table>
<thead>
<tr>
<th>VMS170 - Advertising and Society: Global Perspective (DS4)</th>
<th>VMS170D - Advertising and Society: Global Perspective (DS4)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Subject</strong></td>
<td>VMS</td>
</tr>
<tr>
<td><strong>Title</strong></td>
<td>Advertising and Society: Global Perspective (DS4)</td>
</tr>
<tr>
<td><strong>Description</strong></td>
<td>History and development of commercial advertising; advertising as a reflector and/or creator of social and cultural values; advertisements as cultural myths; effects on children, women, and ethnic minorities; advertising and language; relation to political and economic structure; and advertising and world culture. Emphasis on American society complemented by case studies of advertising in Canada, Japan, Mexico, Russia, Western Europe, and selected other countries.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>VMS171SA - Capturing the City: Documentary Photography in Berlin</th>
<th>VMS187FS - Digital Storytelling and Interactive Narrative</th>
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</thead>
<tbody>
<tr>
<td><strong>Subject</strong></td>
<td>VMS</td>
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<tr>
<td><strong>Title</strong></td>
<td>Capturing the City: Documentary Photography in Berlin</td>
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</tbody>
</table>

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<thead>
<tr>
<th>VMS188FS - Games and Culture: Gateway to the Study of Games</th>
<th>VMS190FS - Topics in Focus: Visual and Media Studies</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Subject</strong></td>
<td>VMS</td>
</tr>
<tr>
<td><strong>Title</strong></td>
<td>Games and Culture: Gateway to the Study of Games</td>
</tr>
<tr>
<td><strong>Description</strong></td>
<td>Examines analog and computer games from a cultural perspective. Explores how prevailing culture and values affect game design, popularity, and experience. How games affect those areas of culture, such as imagining disaster, utopia and dystopia. Explores role-playing and identity, ethics, group behavior, competition, politics, gender, race, and aesthetics.</td>
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<tr>
<td>VMS190S</td>
<td>Special Topics in Visual and Media Studies</td>
</tr>
<tr>
<td>VMS198</td>
<td>Experimental Interface Design</td>
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<tr>
<td>VMS199</td>
<td>LGBTQ/Queer Cinema and Cultural Production</td>
</tr>
<tr>
<td>VMS202</td>
<td>Imagining Europe: Arts, Culture, Politics</td>
</tr>
</tbody>
</table>

**VMS190S - Special Topics in Visual and Media Studies**

**Description**
Subjects, areas, or themes that embrace a range of disciplines that relate to visual and media studies.

**VMS198 - Experimental Interface Design**

**Description**
Class explores issues surrounding embodied approaches to interface design. Articulates methodology for generating new forms of human-computer interface; includes workshops, discussions, student presentations, critiques and group brainstorming sessions. Content related to biomimetics; haptic body knowledge; multi-modal sensing; physical computing; physical-digital relationships; networked relations; the potentials of virtual space and different qualities of space, both visual and sonic. Database potentials discussed and explored in service of developing new approaches to interface. Instructor consent required.

**VMS199 - LGBTQ/Queer Cinema and Cultural Production**

**Description**
This class investigates LGBTQ identities, communities and relationships pre, post, and during the Stonewall era through cinema, television, and new media. We will also explore constructions of sexuality, gender, class, race, and nationalism within the context of LGBTQ transnational film cultures and scholarship.

**VMS202 - Imagining Europe: Arts, Culture, Politics**

**Description**
Investigation of defining debates on European culture and the fiction which shapes them. In collaboration with Nasher Museum. Focus on literature and the visual arts of France, Italy, Portugal, Spain. Comparative analysis of key issues, including arts of migration, multilingualism, cultural and political relations within and without Europe, development of financial systems. Major authors: Marco Polo, Khatibi, Montaigne, Montesquieu, Balzac, Calvino, Némirovsky, Semprún, Saramago. Research in museum collections on major pieces.
**VMS202D - Introduction to Visual Culture**

**Subject**: VMS  
**Catalog Number**: 202D  
**Title**: Introduction to Visual Culture  

**Description**
Survey of visual culture, from issues of production, circulation and reception to how visual media have historically exerted power, elicited desire, and constructed social experience. Topics include: how photography, television, film, video, Internet, advertising, comics, and other imagery code vision and inscribe race, gender, sexuality and class differences, and dominate nature and animals; how the gaze links cultural performativity, from the coliseum to shopping malls and museums to sports events; and how the rhetoric and semiotics of representation provide access to ways in which visual meaning is socially, politically, and culturally produced and obtained. (Team-taught.)

**VMS203D - Introduction to Digital Humanities**

**Subject**: VMS  
**Catalog Number**: 203D  
**Title**: Introduction to Digital Humanities  

**Description**
Digital approaches to humanistic research and its expression, across disciplines and fields. Critical approaches to the digital turn in contemporary culture; theoretical approaches to digital creation and digital remediation of analog sources. Topics include aesthetics, cultural impact, opportunities for global circulation. Critical contextualization around access, authorship, diversity and inclusion, media effects, and evaluation. Exercises in text analysis, digital mapping, data visualization, databases, networks, online archives and exhibitions, immersive media, situated within broader cultural debates on digital cultures, and on best practices for interdisciplinary collaboration.

**VMS204S - Medicine and the Vision of Documentary Photography**

**Subject**: VMS  
**Catalog Number**: 204S  
**Title**: Medicine and the Vision of Documentary Photography  

**Description**
The intersection of healthcare and documentary photography. Explore work of established photographers engaged with healthcare topics. Produce a semester-long documentary photography project and 5-10 page documentary essay on healthcare-related topic. Students must have or quickly develop proficiency in the use of a digital SLR camera and Adobe Lightroom. Course materials include photographs, articles, and books. Class sessions combine critique of student work, discussion of course materials, and discussion of ethical questions involved in documentary representation of healthcare-related topics.

**VMS205 - Introduction to Performance Studies**

**Subject**: VMS  
**Catalog Number**: 205  
**Title**: Introduction to Performance Studies  

**Description**
Introduction to field of performance studies, with examples drawn from music, dance, theatre, performance art, protests, rituals, and everyday life. Through comparative study of global performance, we explore the usefulness of concepts of ritual, play, and performativity as they relate to performance and technology; intercultural performance and implications and ethics of appropriation and borrowing; originality and imitation; archive and repertoire; performative writing; and the performative dimensions of gender, race, and sexuality.

**VMS206 - Digital Imaging**

**Subject**: VMS  
**Catalog Number**: 206  
**Title**: Digital Imaging  

**Description**
Photoshop and Illustrator used to introduce single and serial images for print and web output. Consent of instructor required.

**VMS207S - Children's Self Expression: Literacy Through Photography**

**Subject**: VMS  
**Catalog Number**: 207S  
**Title**: Children's Self Expression: Literacy Through Photography  

**Description**
Children's self-expression and education through writing, photography and documentary work. Focus on reading and critical interpretation of images. The history, philosophy, and methodology of Literacy Through Photography. Includes internship in an elementary or middle school classroom. Required participation in service learning.
**VMS208S - The Silent Film: An Introduction**  
**Description**  
The first thirty-five years of cinema as an emerging art form and mode of communication. Aesthetic, technical, and cultural aspects of the medium will be considered in historical context, from nineteenth-century experiments to nascent narrative conventions and the first disruptive avant-garde movements. Focus is on close reading of relevant films.

**VMS209S - Representations of Women in the Classical World**  
**Description**  
The lives of women in the Classical world viewed through the visual culture of Classical art. Through images of women in statues, reliefs, coins, and painting, the course explores the role of visual representation in communicating complex social and political messages. Issues such as the construction of gender, the expression of power and status, the preservation of social hierarchies, the protection of normative values, and the manipulation and control of sexuality are considered.

**VMS211S - Children and the Experience of Illness**  
**Description**  
An exploration of how children cope with illness, incorporating the tools of documentary photography and writing. Students will work outside class with children who are ill and teach them how to use a camera, working toward an exhibit of photographs at the end of the semester. Permission required. Required participation in service-learning.

**VMS212FS - Digital Documentary Photography: Education, Childhood, and Growth**  
**Description**  
Documentary photography as a tool for exploring public education in Durham. Learn digital techniques including camera function, Photoshop, ink-jet printing, audio capture and production of audio-visual slide shows. Discuss ethical issues that emerge as a result of digital photographic impermanence. Service-learning environment consisting of fieldwork photography in collaboration with community organization, culminating in an exhibit. This is a Focus Program Course for Knowledge in the Service of Society. Department consent is required.
### VMS212S - Digital Documentary Photography: Education, Childhood, and Growth

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<tr>
<th>Subject</th>
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<th>Title</th>
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<tbody>
<tr>
<td>VMS</td>
<td>212S</td>
<td>Digital Documentary Photography: Education, Childhood, and Growth</td>
</tr>
</tbody>
</table>

**Description**

Documentary photography as a tool for exploring public education in Durham. Learn digital techniques including camera function, Photoshop, ink-jet printing, audio capture and production of audio-visual slide shows. Discuss ethical issues that emerge as a result of digital photographic impermanence. Service-learning environment consisting of fieldwork photography in collaboration with community organization, culminating in an exhibit. Consent of instructor required.

### VMS213A - Internship in New York

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<tr>
<th>Subject</th>
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<tbody>
<tr>
<td>VMS</td>
<td>213A</td>
<td>Internship in New York</td>
</tr>
</tbody>
</table>

**Description**

Participants in this course are immersed in the professional work of New York's arts, culture, and performance industries through apprenticeship to a sponsoring artist, institution, or organization. Participants work fifteen hours per week at their internship and meet arts professionals from within and beyond Duke's alumni network. They also meet regularly with their supervising professor. In combination, this work experience, networking opportunity, and academic reflection help interns develop their professional capabilities, refine their interpersonal and workplace skills, and prepare for future work in creative industries.

### VMS214 - Games and Culture: Gateway to the Study of Games

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<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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<tbody>
<tr>
<td>VMS</td>
<td>214</td>
<td>Games and Culture: Gateway to the Study of Games</td>
</tr>
</tbody>
</table>

**Description**

Examines analog and computer games from a cultural perspective. Explores how prevailing culture and values affect game design, popularity, and experience. games affect those areas of culture, such as imagining disaster, utopia and dystopia. Explores role-playing and identity, ethics, group behavior, competition, politics, gender, race, and aesthetics.

### VMS214S - Games and Culture: Gateway to the Study of Games

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<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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<tbody>
<tr>
<td>VMS</td>
<td>214S</td>
<td>Games and Culture: Gateway to the Study of Games</td>
</tr>
</tbody>
</table>

**Description**

Examines analog and computer games from a cultural perspective. Explores how prevailing culture and values affect game design, popularity, and experience. games affect those areas of culture, such as imagining disaster, utopia and dystopia. Explores role-playing and identity, ethics, group behavior, competition, politics, gender, race, and aesthetics.

### VMS215S - Documentary Photography and the Southern Culture Landscape

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<th>Subject</th>
<th>Catalog Number</th>
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<tbody>
<tr>
<td>VMS</td>
<td>215S</td>
<td>Documentary Photography and the Southern Culture Landscape</td>
</tr>
</tbody>
</table>

**Description**

Emphasis on the tradition and practice of documentary photography as a way of seeing and interpreting cultural life. The techniques of color and black-and-white photography - exposure, development, and printing - diverse ways of representing the cultural landscape of the region through photographic imagery. The role issues such as objectivity, clarity, politics, memory, autobiography, and local culture play in the making and dissemination of photographs.

### VMS216 - Anime: Origins, Forms, Mutations

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<th>Subject</th>
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<th>Title</th>
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<tr>
<td>VMS</td>
<td>216</td>
<td>Anime: Origins, Forms, Mutations</td>
</tr>
</tbody>
</table>

**Description**

Historical origins of Japanese anime, as well as its status as art, narrative, genre. Ways in which anime mutates: formally (literature, manga, live action), culturally (fashion, otaku, fan communities), geographically. No prior knowledge of subject matter or Japanese language required.
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<tbody>
<tr>
<td>VMS217S</td>
<td>VMS</td>
<td>217S</td>
<td>Sound, Music, and the Moving Image</td>
<td>Introduction to film studies with emphasis on uses and functions of sound, film music, sound and other aural objects such as the voice, through a selected body of works. Topics include representations of sound, music and voice, the functions of pre-existing music and their relations with the moving image in cinema and television; gendered representations of music and voice in pop and rock music videos; Hollywood practices and non-Hollywood practices.</td>
</tr>
<tr>
<td>VMS218S</td>
<td>VMS</td>
<td>218S</td>
<td>Sociology through Photography</td>
<td>Documentary photography used as a tool to see the world through a sociological lens. Photographs and the social construction of reality; generic components of social organization (codes of conduct, mechanisms of social control); power relations and social inequalities; and social identities (how they're formed in relation to structures, experiences, history and culture).</td>
</tr>
<tr>
<td>VMS219S</td>
<td>VMS</td>
<td>219S</td>
<td>The Tokyo Idea: Visualizing a Global City</td>
<td>Tokyo is the political, cultural, and economic center of Japan. This class will focus on the different portrayals of Tokyo over time and how the city has been imagined in art, architecture, literature, film, popular culture, and fashion from the end of the Edo period to the present day.</td>
</tr>
<tr>
<td>VMS220S</td>
<td>VMS</td>
<td>220S</td>
<td>Ready for Prime Time: Writing the Dramatic TV Episode</td>
<td>Some of the best dramatic writing today can now be found on television. This class will focus on one commercial prime-time drama, past or present. Beginning with a deep immersion into the world of that show—watching all of Season One—students break into groups, coming up with their own long stories to advance the plots. Each student will pitch a story for their particular version of ‘Season Two’—developing an outline, tracking their storylines with the other members of their group, and finally writing a draft of an hour-long TV episode. Each student will write their own script—but will need to share notes, thoughts and feedback with their fellow writers.</td>
</tr>
<tr>
<td>VMS221</td>
<td>VMS</td>
<td>221</td>
<td>Printmaking: Silkscreen</td>
<td>The silkscreen medium and its stencil-making processes including paper stencils, blockouts, crayon, and photographic methods. Students develop a significant body of prints using these techniques. Consent of instructor required.</td>
</tr>
<tr>
<td>VMS222</td>
<td>VMS</td>
<td>222</td>
<td>Animated Film: A History and Aesthetic</td>
<td>Evolution of animation from the philosophical ‘toys’ of the late eighteenth century to the major international entertainment form of today. Special focus on American animation as it evolved from inspired individuals like Emile Cohl and Winsor McCay to a full-blown industrial model allowing for the creation of the animated feature and contemporary special effects.</td>
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<td>Subject</td>
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<tr>
<td>VMS</td>
<td>223</td>
<td>Melodrama East and West</td>
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</table>

**Description**

Melodrama as a genre in literature and as a mode of representation in film and other media. Issues include: gender construction, class formation, racial recognition, and national identity-building. Emphasis on comparative method attending American and Chinese cultures and the politics of cross-cultural representation.

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<tr>
<td>VMS</td>
<td>224S</td>
<td>Small Town USA: Local Collaborations</td>
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</tbody>
</table>

**Description**

Theory and practice of documentary photography in a small-town context. Students working in collaboration with one nearby small town complete a documentary photographic study of one individual or group within that town. Includes analysis of the documentary tradition, particularly as it relates to locally situated work and to selected individual projects; building visual narrative, developing honest relationships with subjects, responsibility to subjects and their communities, and engaging with and portraying a community as an outsider. Photo elicitation and editing techniques. Consent of instructor required. Required participation in service-learning.

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<tr>
<td>VMS</td>
<td>226S</td>
<td>Space-Body-Image</td>
</tr>
</tbody>
</table>

**Description**

Analyzes ways the production of space in architecture and urban theory also produce images of the ideal bodies supposed to inhabit them. Explores limits of the production of space from standpoint of feminist, queer, and critical race theory, as well as through current research in disability studies. Surveys efforts by contemporary artists, writers, and filmmakers to interrupt prevailing images of space and imagine new kinds of bodies to move within them.

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<tr>
<td>VMS</td>
<td>227S</td>
<td>Color Photography: Fieldwork and Digital Color</td>
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</tbody>
</table>

**Description**

Field-based course examining color photography as a documentary tool. Students learn about aesthetic and technical foundations of color photography using recent digital technology. Class-conducted intensive examination of the work of historic and contemporary color documentary photographers. Advanced techniques in film scanning, Photoshop, and color pigment printing. Completion of semester-long color photographic project, and final project consisting of production of a series of color pigment prints.
# VMS228S - World of Gaming: Art, Theory, Technology, and Business of a Multi-Billion Dollar Global Industry

**Subject**  
VMS  

**Catalog Number**  
228S  

**Title**  
World of Gaming: Art, Theory, Technology, and Business of a Multi-Billion Dollar Global Industry  

**Description**  
Interdisciplinary and transnational exploration into the multi-billion dollar global gaming industry through social and theoretical lens. Asks what are the possibilities and pitfalls of gaming in our societies? Examines local and global cases, through art, storytelling, theory, design, technology, business, and gamer and fan communities. Select social and theoretical issues explored include im/migration and refugees, identity (race, gender, class and sexuality), environment, education, civic engagement, sports, recreation, war, and technology. Asia is one important case study as one of the most vibrant regions for examining gaming cultures, conflicts, and theories.

# VMS229S - Experimental Filmmaking

**Subject**  
VMS  

**Catalog Number**  
229S  

**Title**  
Experimental Filmmaking  

**Description**  
The history of avant-garde in film and video combined with production exercises.

# VMS230 - Black Popular Culture

**Subject**  
VMS  

**Catalog Number**  
230  

**Title**  
Black Popular Culture  

**Description**  
The production and circulation of African American popular cultural forms including, but not limited to, popular literature, music, film, television, and art in the twentieth century. The ways in which African American popular culture may reflect the particular values and ethos of African Americans and the larger American society. Topics may include black cinema, blues and jazz music, black nationalism, hip hop, black social movements, blacks and sports culture, popular dance, and the cultural history of black style.

# VMS231 - Indian Cinema

**Subject**  
VMS  

**Catalog Number**  
231  

**Title**  
Indian Cinema  

**Description**  

# VMS232 - Japanese Cinema

**Subject**  
VMS  

**Catalog Number**  
232  

**Title**  
Japanese Cinema  

**Description**  
An introduction to the history of Japanese cinema focusing on issues including the relation between the tradition-modernity or Japan-West in the development of Japanese cinema, the influence of Japanese films on the theory and practice of cinema abroad, and the ways in which cinema has served as a reflection of and an active agent in the transformation of Japanese society.

# VMS233 - Religion in American Life

**Subject**  
VMS  

**Catalog Number**  
233  

**Title**  
Religion in American Life  

**Description**  
A historical survey, with emphasis on the ways that religious experiences, beliefs, and traditions have found expression in religious communities and institutions, and in American public life.
<table>
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<tbody>
<tr>
<td>VMS234</td>
<td>World of Korean Cinema</td>
<td>VMS</td>
<td>234</td>
<td>The world of Korean cinema, broadly defined in terms of national, generic, theoretical boundaries, beyond conventional auteur, genre, one-way influence, and national cinema theories. Cinematic texts examined in local, regional, and global contexts and intersections, in conversation with global theories and histories of cinema, visual cultures, and other representational forms. Variable topics informed theoretically and politically by discourses on gender/sexuality, race/ethnicity, global flows of people and cultures, popular and 'high' culture crossovers, transnational co-productions, remakes, translations and retellings. No knowledge of Korean language/culture presumed.</td>
</tr>
<tr>
<td>VMS235</td>
<td>Master Filmmakers of Chinese Cinemas</td>
<td>VMS</td>
<td>235</td>
<td>Films, documentaries, television series, and soap operas produced in Mainland China in the post-Mao era, modern and contemporary Taiwan, and Hong Kong. Topics include the history and aesthetics of the new wave cinema, soap operas as the new forum for public debate over popular culture, and debate over the relationship between Euro-American modernist and the national cinema.</td>
</tr>
<tr>
<td>VMS236</td>
<td>Contemporary Japanese Visual Culture</td>
<td>VMS</td>
<td>236</td>
<td>Introduction to the art and visual culture of contemporary Japan concentrating on the postwar period, particularly 1980s to present. Performance art, installations, graphic and industrial design, photography, fashion, animation, and comics (manga). The transnational spread of popular culture within the Asia-Pacific region and the cross-cultural exchanges between East and West; the relationship between high art and popular culture; the impact of economic globalization and consumerism on visual culture.</td>
</tr>
<tr>
<td>VMS237</td>
<td>Global Chinese Cities through Literature and Film</td>
<td>VMS</td>
<td>237</td>
<td>Modern Chinese cities in and beyond China, particularly as represented in literature and film. Considers city as object of cultural representation, as well as an engine of cultural production. Examines themes of modernization, alienation, nostalgia, migration, labor, and commoditization, and rethinks the very notion of 'Chineseness' within an increasingly globalized world. Featured cities include Beijing, Shanghai, Hong Kong, Taipei, and New York.</td>
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<tr>
<td>VMS240</td>
<td>Drama of Ancient Rome</td>
<td>VMS</td>
<td>240</td>
<td>Introduction to the drama and performance cultures of ancient Rome. Students read in translation canonical comedies (Plautus, Terence) as well as tragedies (Seneca) while also studying related genres such as mime, historical drama, and other hybrid forms. Central topics include: conventions of theatrical performance from Republic to Empire, social and political contexts of Roman drama, ancient dramaturgy and theatrical spaces, related performance cultures including the gladiatorial arena, modern reception of Roman drama. No previous knowledge of Classical Studies required or presumed; this course is open to all students interested in drama, literature, and the history of Rome.</td>
</tr>
<tr>
<td>VMS241</td>
<td>Computer Graphics</td>
<td>VMS</td>
<td>241</td>
<td>Overview, motivation, and history; Graphic software and APIs; coordinate systems and geometric transforms; drawing routines, antialiasing, supersampling; 3D object representation, spatial data structures, constructive solid geometry, hidden-surface-removal algorithms, z-buffer, A-buffer; illumination and shading models, surface details, radiosity; achromatic light, color specification, colorimetry, different color models; graphics pipeline; animation, levels of detail. Prerequisites: Computer Science 201.</td>
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</table>
### VMS242 - History of Art Markets

**Subject**  
VMS  

**Catalog Number**  
242  

**Title**  
History of Art Markets  

**Description**  
Analytical survey of emergence of art markets, interactions between market behavior(s), visual/media culture(s). Addresses questions regarding the nature of art markets, the specificity of art markets and the application of economic and historical methodologies, how and where players in local markets throughout the world shape visual culture(s), effective causes for art consumption, taste, fashion throughout ages, and methodological implications of art market research at the interface of Economics, Art History, Law and Visual Studies.

### VMS242D - History of Art Markets

**Subject**  
VMS  

**Catalog Number**  
242D  

**Title**  
History of Art Markets  

**Description**  
Analytical survey and discussion of emergence of art markets, interactions between market behavior(s), visual/media culture(s). Addresses questions regarding the nature of art markets, the specificity of art markets and the application of economic and historical methodologies, how and where players in local markets throughout the world shape visual culture(s), effective causes for art consumption, taste, fashion throughout ages, and methodological implications of art market research at the interface of Economics, Art History, Law and Visual Studies.

### VMS243 - Book Art: Typography as Image

**Subject**  
VMS  

**Catalog Number**  
243  

**Title**  
Book Art: Typography as Image  

**Description**  
Investigates use of text as vehicle for communication and visual form within book format. Typography, interaction of writing and page design, history of typography, writing and printed page, use of written form as work of art, book design, binding and how text as visual element interacts with and becomes the image. Prerequisite: Visual Arts 201 preferred. Instructor consent required.

### VMS244D - From Caricature to Comic Strip

**Subject**  
VMS  

**Catalog Number**  
244D  

**Title**  
From Caricature to Comic Strip  

**Description**  
History of caricature as a medium for political critique and social comment from the eighteenth century to the present, focusing on England, France, Germany, and the United States. Languages of graphic satire in the context of specific historical moments, from the War of Independence to the war in Iraq; history of popular journalism and the comic press; censorship and agitation for press freedom; cartooning and the assault on power; violence against cartoonists and issues of freedom of speech; growth of specialized juvenile graphic magazines and the development of the strip cartoon.

### VMS245 - Arts, Film, Or Media Practicum

**Subject**  
VMS  

**Catalog Number**  
245  

**Title**  
Arts, Film, Or Media Practicum  

**Description**  
This course will accompany the semester-long internship and will assist students in developing interpersonal and workplace competencies, reflection tools, professional capabilities, and focused expertise. It will also provide students with skills and tools to prepare them for future work in the creative industries. They will attend one group meeting and three one-on-one, half-hour academic supervisor meetings (with assignments due at each meeting designed to move the final research project forward).

### VMS247 - Global Culture

**Subject**  
VMS  

**Catalog Number**  
247  

**Title**  
Global Culture  

**Description**  
Globalization examined through some of its dominant cultural forms—the marketing of pop music, the globalization of TV culture, the spread of markets and commodities, the export of political ideologies. Special focus given to the way in which these forms both affect and are transformed by local cultures in Africa, South Asia, East Asia, and Latin America.
VMS248 - Contemporary Israeli Cinema

Subject: VMS
Catalog Number: 248
Title: Contemporary Israeli Cinema

Description:

VMS249 - Building Global Audiences

Subject: VMS
Catalog Number: 249
Title: Building Global Audiences

Description:
Marketing and publicity are so important to audience building that, 20 years ago, expanding beyond local audiences usually couldn’t be accomplished without huge advertising budgets. However, thanks to the Internet, you can build a global audience from your dorm room. This class explores how. Learn about social media, search engine optimization, virality, content marketing, growth hacking, and other digital audience building strategies. They’re difficult to learn and time consuming to execute, so expect to struggle. We’ll learn as much from our failures as we will from our successes as we discover what it takes to cultivate global awareness for an idea without ever leaving Durham.

VMS250 - Japanese Architecture

Subject: VMS
Catalog Number: 250
Title: Japanese Architecture

Description:
A survey of major architectural traditions of Japan. Sites ranging from prehistoric tombs and dwellings to contemporary design work of architects such as Isozaki Arata and Ando Tadao. Focus on the development of various architectural typologies: Buddhist temples, Shinto shrines, tea ceremony structures, garden design, imperial and shogunal palaces, fortified castles, modern institutional structures, and private residences. Japanese architectural practices compared with other Asian and Euro-American building traditions. Aesthetic, structural, historical, social, and religious issues considered.

VMS251S - Indigenous Journeys in South Asian Film and Literature

Subject: VMS
Catalog Number: 251S
Title: Indigenous Journeys in South Asian Film and Literature

Description:
A survey of real or imagined journeys in South Asian film and literature from the anxieties of modernity towards traces of the indigenous. Combines an interest in travel literature and road movies with inquiry into human values. Examines aesthetic representations of journeys that are made to idealize a particular past or to valorize contemporary traces of indigenous communities, while exploring the perspectives on modernity afforded by these real or imagined journeys.

VMS253S - Independent African American Cinema

Subject: VMS
Catalog Number: 253S
Title: Independent African American Cinema

Description:
Independent African American Independent cinema from the silent film era to the present. Perspectives on issues of politics, representation, cultural identity, marginality and difference in contemporary American society. Focus on independent directorial figures and their intervention through genres, historical movements, and modes of production to examine how innovation helps define African American cinema's rich past and possibilities as well as key shifts in the larger social contexts of race, gender, and class in the United States.

VMS254 - Representing Slavery

Subject: VMS
Catalog Number: 254
Title: Representing Slavery

Description:
Examines representations of the Atlantic slave trade in scholarship, literature, film, popular culture, and local site visits. We will examine portrayals of people who were enslaved, people who enslaved, as well as the nature of capture, the Middle Passage, and plantation life. We will also explore contemporary commemorations of the slave trade within museums, and the political mobilization of this history within the reparations movement. Through an examination of these materials, we will ask ‘why represent slavery?’ and ‘what is at stake when representing slavery?’
### VMS255 - Social Marketing: From Literary Celebrities to Instagram Influencers

<table>
<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>VMS</td>
<td>255</td>
<td>Social Marketing: From Literary Celebrities to Instagram Influencers</td>
</tr>
</tbody>
</table>

#### Description
Typical Duke students spend hours each day using social media. You've surely heard the platforms described as 'revolutionary,' and you've also heard them described as 'time wasters.' What you probably haven't thought about is how similar they are to previous 'revolutionary' communications technologies like novels, newspapers, and even language itself. This course explores ways in which studying the masters of previous 'social' media technologies—the Shakespeares, Whitmans, and Eliots of the world—can help us understand how influencers on digital social media leverage the same platforms you use everyday to market themselves, build their brands, and grow their audiences.

### VMS256 - Drawing Foundations in Early Modern Europe

<table>
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<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>VMS</td>
<td>256</td>
<td>Drawing Foundations in Early Modern Europe</td>
</tr>
</tbody>
</table>

#### Description
Through classroom lectures, museum visits, and studio practice, this course studies the place of drawing since its early modern theorization in the visual arts and in the artistic practice. Drawings can be records of visual observation, or of a speculative thought process; ways of working out ideas, and of presenting plans; they also achieve the status of independent art objects. Students will gain familiarity with drawing as an artistic medium related to major questions about art and society, while also learning fundamental and practical drawing skills that will give deeper insights into theory.

### VMS257L - Web Project Design and Development

<table>
<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>VMS</td>
<td>257L</td>
<td>Web Project Design and Development</td>
</tr>
</tbody>
</table>

#### Description
Follow-on to ISS 240/240L. Students should be experienced with basic HTML and CSS. Information and graphic design; use-case development; readings and group critiques. Continued work with HTML, CSS, HTML5, Javascript. Introduction to PHP, MySQL and/or other server-based authoring techniques. Creation and templating of blogs, wikis, and content management systems. Web 2.0 and 3.0 technology implementation. Embedded media and objects. Intellectual property and fair use. User testing. Short exercises, group work, individual semester project, and public site launch. Instructor consent required.

### VMS257S - American Cinema: Redefined

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<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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<tbody>
<tr>
<td>VMS</td>
<td>257S</td>
<td>American Cinema: Redefined</td>
</tr>
</tbody>
</table>

#### Description
Course examines the way films speak to the history of American nationhood as a whole. Considers the diversity of American Cinema and Hollywood's international dominance. Explores how varieties of domestic film production develop in the shadow of the commercial film industry, how they differ from mainstream productions, and how they contribute innovations.
VMS258 - Spies Like Us: Screening Cold War Espionage

Subject: VMS
Catalog Number: 258
Title: Spies Like Us: Screening Cold War Espionage

Description:
When the Cold War erupted in the wake of World War II, filmmakers were poised to screen it as propaganda, entertainment (thriller, horror, science fiction), and morally reflective realism. This course explores the films/television series produced on both sides of the Iron Curtain as well as those made after the Cold War (post-1989). Discussion will focus on ethical justifications and critiques of espionage; the characterizations of the spy and those spied on, and the interactions between these protagonists; and the changing aesthetics of screening espionage.

VMS259A - The Arts in New York: A Thematic Approach

Subject: VMS
Catalog Number: 259A
Title: The Arts in New York: A Thematic Approach

Description:
Duke in New York. Various topics dealing with the arts in New York. Group attendance at, and subsequent seminar discussion of, performances, exhibitions, films, and lectures. Research or critical paper required. Open only to students admitted to the Duke in New York Arts Program. Satisfies the Area III requirement for English majors.

VMS260S - Cinematography

Subject: VMS
Catalog Number: 260S
Title: Cinematography

Description:
In-depth investigation of cinematographic techniques and principles for motion picture production. Exercises in both film and high definition digital video. Emphasis on advanced lighting techniques, lensing, camera mobility, set operations and close analysis of master works of cinematography.

VMS261S - Moving Image Practice

Subject: VMS
Catalog Number: 261S
Title: Moving Image Practice

Description:
Film and digital video production in conjunction with the history and theory of these technologies. Students may produce work in 8mm, 16mm film and digital video and learn the basics of non-linear digital editing on Final Cut Pro.

VMS264 - Contemporary Documentary Film: Filmmakers and the Full Frame Documentary Film Festival

Subject: VMS
Catalog Number: 264
Title: Contemporary Documentary Film: Filmmakers and the Full Frame Documentary Film Festival

Description:
Integrated with the films and filmmakers of the Full Frame Documentary Film Festival. The art form, style, and technology of contemporary documentary films. Issues of autonomy and power, politics, and public policies. Analysis of outstanding films from around the world. Presentations and discussions by filmmakers.

VMS265 - History of Documentary Film

Subject: VMS
Catalog Number: 265
Title: History of Documentary Film

Description:
Introduction to the history, theory, and styles of nonfiction film and video. Transformation in technologies and their influence on form, from actuality films to contemporary digital documentaries. Documentary's marginal status and surprising commercial appeal; the mixing of fiction and nonfiction strategies in cultural construction. Use of documentary as a tool for exploring individual identity, filmmaker/subject relationships, and fomenting political change.
### VMS265A - History of Documentary Film

<table>
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<tr>
<th>Subject</th>
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<th>Title</th>
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<tbody>
<tr>
<td>VMS</td>
<td>265A</td>
<td>History of Documentary Film</td>
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</tbody>
</table>

**Description**

Introduction to the history, theory, and styles of nonfiction film and video. Transformation in technologies and their influence on form, from actuality films to contemporary digital documentaries. Documentary's marginal status and surprising commercial appeal; the mixing of fiction and nonfiction strategies in cultural construction. Use of documentary as a tool for exploring individual identity, filmmaker/subject relationships, and fomenting political change.

### VMS266 - Media History: Old and New

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<th>Subject</th>
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<tr>
<td>VMS</td>
<td>266</td>
<td>Media History: Old and New</td>
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</tbody>
</table>

**Description**

Development of various media forms in historical and social contexts. Impact of old 'new' media on established art, commerce, education, politics, entertainment from 19th c. on. Changing ideas about authenticity, authority, agency, reception, identity, and power relating to emerging media forms, production, circulation. Overlaps, disjunctures, convergences, persistences and antiquations via case studies and examples. Technologies include print publishing, photography, audio recording, film, telegraph, maps, exhibitions, architecture and installations alongside contemporary web, multimedia, database, game, virtual reality, and telepresence systems. Final rich media research project required.

### VMS267 - Film Genres

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<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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<tr>
<td>VMS</td>
<td>267</td>
<td>Film Genres</td>
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</table>

**Description**

A historical survey of motion picture genre as a stylistic and narrative device, including comedy, horror, the musical, the western, and science fiction.

### VMS268S - American Film Comedy

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<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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<tbody>
<tr>
<td>VMS</td>
<td>268S</td>
<td>American Film Comedy</td>
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</table>

**Description**

A historical survey of American film comedy from silent cinema to contemporary television and film.

### VMS269 - Religion and Film

<table>
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<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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<tr>
<td>VMS</td>
<td>269</td>
<td>Religion and Film</td>
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</tbody>
</table>

**Description**

A study of the relationship between motion pictures and religion. Focus on the comparative portrayal of organized religions; expressions of religious life; and religious topics, such as God, evil and morality, in both Western and non-Western films in which contemporary artists and intellectuals explore the challenges of modernity.

### VMS270S - Constructing Immersive Virtual Worlds

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<th>Subject</th>
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<tbody>
<tr>
<td>VMS</td>
<td>270S</td>
<td>Constructing Immersive Virtual Worlds</td>
</tr>
</tbody>
</table>

**Description**

Theory, practice, and creation of 3D virtual worlds. Hands-on design and development of online collaborative simulation environments. Introduction to graphics workflow for creating virtual world media assets. Critical exploration of state-of-the-art virtual world technologies; 3D graphics, chat, voice, video, and mixed reality systems. Topics include: history/culture of virtual worlds, identity and avatars; behavioral norms; self-organizing cultures; user-generated content, virtual world economies; architectural scalability.
VMS271S - Film Animation Production

Subject: VMS
Catalog Number: 271S
Title: Film Animation Production

Description:
Experimentation with various media; mastering animation techniques such as metamorphosis, timing, articulation, storytelling, sound design, special effects, and camera. Each student to produce a one-minute animated film on the Oxberry 16mm film animation stand. Not open to students who have taken this course as Film/Video/Digital 102S.

VMS272A - The Arts, Culture, and Performance of New York

Subject: VMS
Catalog Number: 272A
Title: The Arts, Culture, and Performance of New York

Description:
This course introduces its participants to New York through its rich artistic, cultural, and performance offerings—drawn from art, dance, film, music, literature, and theater. Visiting all five boroughs, they contemplate how the identities of New Yorkers—informed by the city and by ability, class, ethnicity, gender, race, and sexuality—are performed in the theater of everyday life: in parks, streets, subways, and especially the city's diverse neighborhoods and restaurants.

VMS273 - The Middle East Through Film

Subject: VMS
Catalog Number: 273
Title: The Middle East Through Film

Description:
Film as access into the region through a series of direct as well as poetic connections woven across films viewed, filmmakers featured, lectures, discussions, and texts read. By means of the integration of course components and students' weekly responses, an understanding of the region is developed by way of inquiry into and rigorous engagement with cultural production. From feature length films to shorts, the breadth of the work we will engage with includes documentaries, dramas, and less traditional forms. A substantial midterm paper, and a final project to be in the form of one of three potential possibilities subject to approval of proposal: a paper, a talk, a short film.

VMS274D - Race, Genomics, and Society

Subject: VMS
Catalog Number: 274D
Title: Race, Genomics, and Society

Description:
The field of genetics has been at the forefront of discourse concerning the concept of 'race' in humans. This course explores human origins, human variation, human identity, and human health through a broad range of enduring and emerging themes and challenging questions related to race and genetics (and now, genomics) on a global scale. Students will acquire knowledge and skills required for integrative analyses of the relevant scientific, ethical, legal, societal, cultural, and psychosocial issues. Open to students at all levels from any discipline in the arts, humanities, and sciences (natural, social, formal, and applied).
VMS276 - America Dreams American Movies II: Independents Through Streaming

**Subject**  
VMS

**Catalog Number**  
276

**Title**  
America Dreams American Movies II: Independents Through Streaming

**Description**  
This course studies contemporary American movies as they create and reflect America’s self-image from the rise of independents through the innovations of the 21st century, including digital video, streaming, and the rise of high-quality TV productions. Approaches include U.S. cultural history, industry developments, and technical analysis. Directors such as Kubrick, Coppola, Spielberg, Tarantino, Lee, Moore, Cameron, Campion, Jenkins, Bigelow, Peele, Du Vernay, and others up to today. At least two weeks of the semester will be devoted to TV, such as Game of Thrones, The Americans, or Watchmen. Like the film and TV industries themselves, assignments encourage creativity and collaboration.

VMS278A - Decentering Spanish Otherness: Visual Culture and Coloniality in Contemporary Spain

**Subject**  
VMS

**Catalog Number**  
278A

**Title**  
Decentering Spanish Otherness: Visual Culture and Coloniality in Contemporary Spain

**Description**  
This course proposes the study of visual culture in Spain from the nineteenth century to the present day from decolonial and postcolonial perspectives. It will analyze the history and cultural legacies of Spanish colonialism through photography, film, illustration and art from a transdisciplinary point of view, with special emphasis on cultural studies, visual studies and visual anthropology. Offered through Duke in Madrid program.

VMS279AS - Studies in the United States Culture Industries

**Subject**  
VMS

**Catalog Number**  
279AS

**Title**  
Studies in the United States Culture Industries

**Description**  
A survey of the major professions in the arts, media, and entertainment industries, featuring prominent speakers from fields such as studio and independent film and television, screenwriting, directing, producing, financing, acting, artist representation, journalism, marketing, animation, and music. Students apply theory and analysis to projects currently in production, observing live tapings, rehearsals, and screenings. Real-world case studies to examine how and why stories chosen for production shape and are shaped by societal values and discourse, domestic and global economies, and the greater world of the arts and media. Only offered on Duke in LA program.

VMS279S - Studies in the United States Culture Industries

**Subject**  
VMS

**Catalog Number**  
279S

**Title**  
Studies in the United States Culture Industries

**Description**  
A survey of the major professions in the arts, media, and entertainment industries, featuring prominent speakers from fields such as studio and independent film and television, screenwriting, directing, producing, financing, acting, artist representation, journalism, marketing, animation, and music. Students apply theory and analysis to projects currently in production, observing live tapings, rehearsals, and screenings. Real-world case studies to examine how and why stories chosen for production shape and are shaped by societal values and discourse, domestic and global economies, and the greater world of the arts and media.
**VMS280 - German Film**

**Subject:** VMS  
**Catalog Number:** 280  
**Title:** German Film  

**Description**
Introduction to German film, film theory, and reception. Emphasis on history and cultural background of films. Topics include Expressionism, Nazi and postwar films, New German cinema, DEFA. Films subtitled; readings and discussion in English.

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**VMS282 - Drama of Ancient Greece**

**Subject:** VMS  
**Catalog Number:** 282  
**Title:** Drama of Ancient Greece  

**Description**
Introduction to the dramatic art of ancient Greece. Students read in translation tragedies by Aeschylus, Sophocles, and Euripides and comedies by Aristophanes and Menander. Topics discussed include: the conventions of theatrical performance during the classical period; the changing social, economic, and political contexts of drama; costume, mask, and set design; music and dance; modern performances of ancient plays; the art of translation; and the continuing relevance of ancient theater today. No previous knowledge of Classical Studies presumed or required. This course is open to all students interested in Greek drama, literature, and performance.

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**VMS283S - Filming Freedom Movements: Movies, Music, Monuments, Memory**

**Subject:** VMS  
**Catalog Number:** 283S  
**Title:** Filming Freedom Movements: Movies, Music, Monuments, Memory  

**Description**
This class is a cross-disciplinary exploration of a series of questions about what societies choose to commemorate, what they stay silent about, what they try to repress, and how this changes over time. What impact does this have on public policy and cultural debate? Using a cross-cultural examination of four societies, we will draw on methods from the arts, art history, history, documentary, policy, cultural studies, critical race theory, sound studies, Indigenous studies, and feminist theory.

---

**VMS284S - Trauma and Nostalgia: East European Film in the 21st Century**

**Subject:** VMS  
**Catalog Number:** 284S  
**Title:** Trauma and Nostalgia: East European Film in the 21st Century  

**Description**
Examines the major thematic focus of East European filmmakers in the 21st century: their efforts to reconstruct and reassess the experience of the Cold War (1945-1989) and the Yugoslav wars (1991-1995). These films from the Czech Republic, Hungary, Poland, Romania, Croatia, and Serbia include ironic/sentimental tales of Cold War childhood, thrillers about sleeping with the enemy (political informers), and psychological dramas centering on political trauma, resistance, and compromise. All films shown with English subtitles.
VMS285 - Ritual, Performance, and Religion

**Subject**: VMS  
**Catalog Number**: 285  
**Title**: Ritual, Performance, and Religion

**Description**
Exposes students to theories of ritual and performance (Turner, Schechner, Grimes, Geertz, Paden) in religious and non-religious contexts; compares contexts as a way of understanding common structures and what differentiates the religious/non-religious. Guest lecturers (from religion, dance, theater, psychology, English, visual and media studies, cultural anthropology) expose students to a range of approaches to specific kinds of ritual and performance. Possibly involves both class and individual trips to local religious events and performances for field work exercises.

VMS286S - Introduction to Digital Feminism

**Subject**: VMS  
**Catalog Number**: 286S  
**Title**: Introduction to Digital Feminism

**Description**
The aim of this course is to critically analyze digital culture from a feminist and gender studies perspective. We will address topics related to digital innovation and its history, unpacking and questioning them through the insights offered by genders studies analytical tools. Subjects such as the rise of the Silicon Valley, gaming culture, social media, algorithms, Artificial Intelligence, extraction of data applied to biotechnology, macroeconomic development of IT platforms and the impact of technology on ecology will be discussed starting from a current event or debate, to which we will give a historical, ethical, sociological, theoretical, literary or cinematographic perspective.

VMS287 - German History Through Film

**Subject**: VMS  
**Catalog Number**: 287  
**Title**: German History Through Film

**Description**
Interdisciplinary seminar at intersection of German Studies and History, taught by scholars from both disciplines. Explores ways in which films shape historical imaginations and are in themselves artifacts of history. Provides unique opportunity to learn about German past and present, and reflect on relationship between film and history.

VMS288A - Fundamentals of Web-Based Multimedia Communications

**Subject**: VMS  
**Catalog Number**: 288A  
**Title**: Fundamentals of Web-Based Multimedia Communications

**Description**
Same as ISS 240. Offered through the Duke-In-Venice Program.

VMS288L - Fundamentals of Web-Based Multimedia Communications

**Subject**: VMS  
**Catalog Number**: 288L  
**Title**: Fundamentals of Web-Based Multimedia Communications

**Description**
Laboratory version of Information Science + Studies 240. Multimedia information systems, including presentation media, hypermedia, graphics, animation, sound, video, and integrated authoring techniques; underlying technologies that make them possible. Practice in the design innovation, programming, and assessment of web-based digital multimedia information systems. Intended for students in non-technical disciplines. Engineering or Computer Science students should take Engineering 206 or Computer Science 408.

VMS288S - Fundamentals of Web-Based Multimedia Communications

**Subject**: VMS  
**Catalog Number**: 288S  
**Title**: Fundamentals of Web-Based Multimedia Communications

**Description**
Multimedia information systems, including presentation media, hypermedia, graphics, animation, sound, video, and integrated authoring techniques; underlying technologies that make them possible. Practice in the design innovation, programming, and assessment of web-based digital multimedia information systems. Intended for students in non-technical disciplines. Engineering or Computer Science students should take Engineering 206 or Computer Science 408.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Subject</th>
<th>Catalog Number</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>VMS289</td>
<td>Introduction to Film Studies</td>
<td>VMS</td>
<td>289</td>
<td>Basic film theory and history of motion picture technology. Introduction to experimental, documentary, and narrative forms of Third World, European, and United States cinemas.</td>
</tr>
<tr>
<td>VMS290</td>
<td>Special Topics in Visual Studies</td>
<td>VMS</td>
<td>290</td>
<td>Subjects, areas, or themes that embrace a range of disciplines that relate to visual studies.</td>
</tr>
<tr>
<td>VMS290S</td>
<td>Special Topics in Visual Studies</td>
<td>VMS</td>
<td>290S</td>
<td>Subjects, areas, or themes that embrace a range of disciplines that relate to visual studies.</td>
</tr>
<tr>
<td>VMS290SA</td>
<td>Special Topics in Visual and Media Studies</td>
<td>VMS</td>
<td>290SA</td>
<td>Subjects, areas, or themes that embrace a range of disciplines that relate to visual studies.</td>
</tr>
<tr>
<td>VMS291</td>
<td>Independent Study</td>
<td>VMS</td>
<td>291</td>
<td>Directed reading in a field of special interest, under the supervision of a faculty member, resulting in a substantive paper or report. Open to qualified students, by consent of instructor and director of undergraduate studies.</td>
</tr>
<tr>
<td>VMS293</td>
<td>Research Independent Study</td>
<td>VMS</td>
<td>293</td>
<td>Individual research in a field of special interest under the supervision of a faculty member, the central goal of which is a substantive paper or written report containing significant analysis and interpretation of a previously approved topic. Open to qualified students, by consent of instructor and director of undergraduate studies.</td>
</tr>
<tr>
<td>VMS294</td>
<td>Chinese Art 1900 to Present</td>
<td>VMS</td>
<td>294</td>
<td>Study of selected works of Chinese art and visual culture (painting, sculpture, architecture, video, performance, and installation art; fashion design and cinema) from 1900 to the present. Emphasis on the visual analysis of objects as well as their social and historical context.</td>
</tr>
<tr>
<td>VMS295S</td>
<td>Arts Entrepreneurship</td>
<td>VMS</td>
<td>295S</td>
<td>Student teams work on specific arts-based entrepreneurial projects. Teams comprised of students from different backgrounds (arts, engineering, economics, computer science). Goals include creating business plan and launching ventures in areas of the arts. Structure an adaptation of Fuqua Program for Entrepreneurs. Ideal projects have real/positive impact on society. Students learn to situate artistic creativity within projects that meet societal need. Students from any background welcome to apply for enrollment. Must have interest in arts or working with artists in entrepreneurial context. Admission by permission of instructors.</td>
</tr>
</tbody>
</table>
VMS296 - Internship in New York
Subject: VMS  
Catalog Number: 296  
Title: Internship in New York  
Description: Immersion in the professional art world through apprenticeship to a sponsoring artist or organization. Students spend fifteen hours per week at the internship and write a substantive paper containing significant analysis and interpretation of the relation of the students’ sponsoring institution to the art form of activity as a whole, the system of production and consumption surrounding that art form or activity, and the sponsor’s organizational framework, operating mechanics, and role in the creation, preservation, or interpretation of the art form or activity. Open only to students admitted to the Duke in New York Arts Program. Does not count toward the major. Consent of instructor required.

VMS296A - Internship in New York
Subject: VMS  
Catalog Number: 296A  
Title: Internship in New York  
Description: Immersion in the professional art world through apprenticeship to a sponsoring artist or organization. Students spend fifteen hours per week at the internship and write a substantive paper containing significant analysis and interpretation of the relation of the students’ sponsoring institution to the art form of activity as a whole, the system of production and consumption surrounding that art form or activity, and the sponsor’s organizational framework, operating mechanics, and role in the creation, preservation, or interpretation of the art form or activity. Open only to students admitted to the Duke in New York Arts Program. Does not count toward the major. Consent of instructor required.

VMS296A-1 - Internship in New York
Subject: VMS  
Catalog Number: 296A-1  
Title: Internship in New York  
Description: Immersion in the professional world of the arts and media through working with a sponsoring artist, organization, or business. Open only to students admitted to the Duke in New York Arts and Media Program. Does not count toward the major. Consent of instructor required.

VMS297S - Revealing Histories: Polish Cinema
Subject: VMS  
Catalog Number: 297S  
Title: Revealing Histories: Polish Cinema  
Description: Explores the films of four famous Polish directors—Andrzej Wajda, Andrzej Munk, Krzysztof Kieślowski, and Agnieszka Holland—whose artistic approaches and ethical/political themes greatly influenced Polish and European cinema as well as Polish politics. Through viewing their movies and consulting biographical, historical, and critical materials, we’ll examine how these directors use film to reconstruct history, challenge politically or religiously orthodox myths, and suggest new ways of valuing the complexity and spiritual capacities of the individual. All texts in English translation. All films screened with subtitles.

VMS298S - Film Theory
Subject: VMS  
Catalog Number: 298S  
Title: Film Theory  
Description: Recent critical developments in Marxist aesthetics, structuralism, semiotics of the image, feminist film theory. History and theory of film technology. Both experimental and Hollywood narrative films.

VMS299 - Aesthetics: The Philosophy of Art
Subject: VMS  
Catalog Number: 299  
Title: Aesthetics: The Philosophy of Art  
Description: The concept of beauty, the work of art, the function of art, art and society, the analysis of a work of art, criticism in the arts.
<table>
<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>VMS</td>
<td>301A</td>
<td>The Business of Art and Media</td>
</tr>
</tbody>
</table>

**Description**
Duke in New York. The changes experienced by print and visual media (book publishing, magazines, newspapers, TV, films, theatre, advertising) in the twenty-first century in how art and business can, and often must, be done and in how they interact with society. Examinations through readings (including selected case histories) and guest speakers of how technology and technological change affect art and society today. Satisfies Area III requirement for English majors.

<table>
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<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>VMS</td>
<td>302</td>
<td>Philosophy of Mind</td>
</tr>
</tbody>
</table>

**Description**
Such topics as mind and body, the nature of thought, perception, consciousness, personal identity, and other minds. The relevance of cognitive psychology, neuroscience, and computer science to the philosophy of mind.

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<tr>
<th>Subject</th>
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</thead>
<tbody>
<tr>
<td>VMS</td>
<td>303</td>
<td>History of Photography, 1839 to the Present</td>
</tr>
</tbody>
</table>

**Description**
Major artists and movements in the history of the photographic medium, including visual and critical traditions inherited and manipulated by photographers, the ways photography participated in nineteenth- and twentieth-century art movements as well as documentation and social change, and critical photographic discourse throughout this period. Topics include the invention of photography, 'Art' photography and documentary photography in the nineteenth century, pictorialism, 'straight' and purist photography, photography and modernist art movements (dada, surrealism, Bauhaus, Russian avant-garde), twentieth-century documentary, and photography of the 1950s, 1960s, 1970s, 1980s, and 1990s.

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<th>Subject</th>
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<tbody>
<tr>
<td>VMS</td>
<td>304</td>
<td>Mapping History with Geographic Information Systems</td>
</tr>
</tbody>
</table>

**Description**
Beginner/intermediate Geographic Information System (GIS) course designed to help students learn how to investigate history spatially. Emphasizes perspectives, procedures, and tools that are relevant to applications of GIS in Art History and Humanistic disciplines. Designed as a hybrid lecture/lab format in which direct instruction is supplemented by hands-on learning labs using ArcGIS software and real-world spatial data. The main skills students will gain are: integration of spatial and tabular data, geoprocessing, data visualization, creating features, editing features, vector and raster integration, spatial analysis, georeferencing.

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<tbody>
<tr>
<td>VMS</td>
<td>305S</td>
<td>Video Journalism</td>
</tr>
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</table>

**Description**
Theories and concepts of television broadcasting; writing and editing for electronic media; issues of production. Students will produce a Web portfolio. Approved as a practicum course for the Policy, Journalism and Media Studies certificate.

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<tbody>
<tr>
<td>VMS</td>
<td>307</td>
<td>User Experience and User Interface Design and Development</td>
</tr>
</tbody>
</table>

**Description**
How do we build knowledge about computational, aesthetic, product and spatial experience? What tools and methods enable our work in the design of these interactions? This course applies methods and technologies found in the User Experience (UX) and User Interface (UI) disciplines to analyze, document, design and prototype a number of spatial and product interactions.
**VMS308 - Italian Cinema**

**Subject**: VMS  
**Catalog Number**: 308  
**Title**: Italian Cinema  

**Description**
Introduction course to Italian cinema including silent films, Neorealism, fascist productions, Commedia all’italiana and experimentalism. Taught in English, Italian majors and minors should inquire with the professor about the possibility of concurrently enrolling in a tutorial for credit towards the language requirement for the major or minor.

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**VMS309DS - Environmental Issues & the Documentary Arts**

**Subject**: VMS  
**Catalog Number**: 309DS  
**Title**: Environmental Issues & the Documentary Arts  

**Description**
Survey how filmmakers, authors, photographers, and other artists have brought environmental issues to the public’s attention in the last century, and in some cases instigated profound societal and political change. Examine the nebulous distinctions between persuasion and propaganda, agenda and allegory, point of view and content. Evolve as a viewer of the environment and a maker of documentary art. Initiate your own projects to address and/or depict environmental issues in one form of a broad range of media.

---

**VMS309S - Environmental Issues & the Documentary Arts**

**Subject**: VMS  
**Catalog Number**: 309S  
**Title**: Environmental Issues & the Documentary Arts  

**Description**
Survey how filmmakers, authors, photographers, and other artists have brought environmental issues to the public’s attention in the last century, and in some cases instigated profound societal and political change. Examine the nebulous distinctions between persuasion and propaganda, agenda and allegory, point of view and content. Evolve as a viewer of the environment and a maker of documentary art. Initiate your own projects to address and/or depict environmental issues in one form of a broad range of media.

---

**VMS316S - Understanding Mediation**

**Subject**: VMS  
**Catalog Number**: 316S  
**Title**: Understanding Mediation  

**Description**
Examines experience as always mediated. How does text mediate expression, or language mediate subjectivity? How do images mediate power, or sounds mediate resistance? How does computation mediate agency, or networks mediate thought? But also, how do nations mediate globalization, or oil mediate energy? And how do bodies mediate liveness, or the environment mediate history? Moves from particular media forms and examples (language, literature, the fine and performing arts, audiovisual media, computational media) to focus on key theoretical concepts and debates of critical theory from twentieth and twenty-first centuries. Crosses national boundaries to understand mediation from global perspective.

---

**VMS318 - Eastern Europe in Transition: Markets, Media, and the Mafia**

**Subject**: VMS  
**Catalog Number**: 318  
**Title**: Eastern Europe in Transition: Markets, Media, and the Mafia  

**Description**
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<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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<tbody>
<tr>
<td>VMS</td>
<td>319S</td>
<td>Russian Language and Culture through Film II</td>
<td>Continuation of Russian 373S. Analysis of Russian cultural paradigms and linguistic issues through contemporary Russian and Soviet film. Film and computer technology, as well as access to these technologies and their implementation, are a central part of the cultural context. Prerequisite: Russian 301S or equivalent, or consent of instructor.</td>
</tr>
<tr>
<td>VMS</td>
<td>320A</td>
<td>Contemporary Russian Media</td>
<td>Same as Russian 135 but taught only in St. Petersburg. Taught in Russian. Prerequisite: Russian 204 or equivalent.</td>
</tr>
<tr>
<td>VMS</td>
<td>321S</td>
<td>Writing Movies and Plays: Adaptation</td>
<td>Theory and practice of the process of adaptation of serious literary works of fiction to screenplay or play form. Reading and analysis of literary works adapted as screenplays and plays. Project in writing an adaptation.</td>
</tr>
<tr>
<td>VMS</td>
<td>322S</td>
<td>Motion Graphics for Film and Video</td>
<td>An exploration of techniques and theoretical approaches to motion graphics, animation and post-production effects in film and video. Readings and screenings will lead to student-produced exercises through exposure to applications in the Adobe Creative Cloud and digital editing software.</td>
</tr>
<tr>
<td>VMS</td>
<td>323S</td>
<td>Social Movements and Social Media</td>
<td>Examines uses and abuses of social media by social movements. Interested in a broader historical study of mediating technologies and oppositional public sphere, course considers the uses of cameras, phones, cassette players, radio, and social media platforms, but also books, bodies, art, fashion, and automobiles as oppositional technologies. Studies political and ethical uses of technologies in social unrest. Investigates impact of technologies on social movements and social transformations in contemporary history. Student driven case studies will highlight contemporary engagement with social media by networked social movements.</td>
</tr>
<tr>
<td>VMS</td>
<td>324</td>
<td>Sample &amp; Remix: Contemporary Cultural Production Across Arts &amp; Media</td>
<td>Sampling &amp; remixing of previous works is a major mode of contemporary cultural production cutting across media and cultural practices. This course analyzes its genealogy, technological underpinnings, legal presuppositions and aesthetic consequences. Tensions between copy and copyright, between claims to originality and mechanical reproduction characterize this contemporary regime, now deployed globally. Its cultural implications will be distinguished from related modes of making art and meaning (imitation, citation, collage, montage...) and tracked through various objects: popular and avant-garde cinema, videogames, ready-mades and Pop Art; Hip-Hop and Electro; literature and DJ culture.</td>
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<tr>
<td>VMS</td>
<td>325L</td>
<td>Optics and Photonics</td>
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<td><strong>Description</strong></td>
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<td>Ray optics, wave optics, beam optics, resonators, atom- photons, interaction, interference, diffraction, polarization, lasers, light detection, electromagnetic optics. Laboratory experiments apply concepts in basic optics. Prerequisite: Electrical and Computer Engineering 270L or equivalent.</td>
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<tr>
<td>VMS</td>
<td>326</td>
<td>Introduction to Programming and User Interface Design in Unity 3D</td>
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<td><strong>Description</strong></td>
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<td>Practical concepts and exercises with the C# programming language. Basic concepts of algorithms and data structures. Discussion of basic computer graphics concepts. Introduction to the Unity3D game engine. Importing various model formats into Unity3D. User interface design in Unity3D. Advanced scripting using C# for Unity3D. Unity3D common pitfalls and tips for optimizations. Usage of augmented and virtual reality libraries. Weekly homework and final project. No prior coding experience is assumed.</td>
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<td>Practical concepts and exercises with the C# programming language. Basic concepts of algorithms and data structures. Discussion of basic computer graphics concepts. Introduction to the Unity3D game engine. Importing various model formats into Unity3D. User interface design in Unity3D. Advanced scripting using C# for Unity3D. Unity3D common pitfalls and tips for optimizations. Usage of the MiddleVR virtual reality library. Weekly homework and final project. No prior coding experience is assumed.</td>
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<tr>
<td>VMS</td>
<td>327S</td>
<td>Theories of Visual and Media Studies</td>
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<td><strong>Description</strong></td>
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<td>Survey of visual and media studies theories. Development of analytical methods to critically engage with analog and digital visual media production, circulation and consumption in a global context. Overview of the historical development of visual studies and media studies as distinct critical fields with intellectual ties to cultural studies, art history, philosophy, sociology, literature, communications, and information science. Exploration of contemporary convergences between visual and media studies, in dialog with scientific visualization, cognitive neuroscience, and quantitative approaches to image processing. Course required for VMS majors. Instructor consent required.</td>
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</tbody>
</table>

Duke University
### VMS328S - Media Theory

**Subject**  
VMS

**Catalog Number**  
328S

**Title**  
Media Theory

**Description**  
Introduction to the material and technical infrastructure that informs and constrains the production and dissemination of knowledge. Exploration of cultural impact of technical media from writing to the internet. Combines historical and theoretical discussion with hands-on experimentation with various media, including the codex book, phonography and sound registration technology, photography, cinematography, video, virtual reality, digital computation, and the internet.

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### VMS329S - Non-Profit Cultural Institutions

**Subject**  
VMS

**Catalog Number**  
329S

**Title**  
Non-Profit Cultural Institutions

**Description**  
Non-profit cultural institutions are an integral part of arts communities at all levels: national, regional, local. Through readings, projects and service-learning, students gain overview of non-profit cultural organization formation, management, operational structures, governance challenges, board member responsibilities and situational ethics. Explores historical and present functions and social structures in which nonprofit tax-exempt organizations operate. Investigates how nonprofit cultural institutions have increasingly become a vehicle for fostering creativity in the arts and humanities. Students partner with local non-profit arts/cultural organizations to work on specific projects.

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### VMS331S - Gender and Popular Culture

**Subject**  
VMS

**Catalog Number**  
331S

**Title**  
Gender and Popular Culture

**Description**  
An analytic investigation of ways popular cultural forms produce and reinforce gender relations.

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### VMS332L - Virtual Museums: Theories and Methods of Twenty-First-Century Museums

**Subject**  
VMS

**Catalog Number**  
332L

**Title**  
Virtual Museums: Theories and Methods of Twenty-First-Century Museums

**Description**  
The future of museums will be one of immateriality and interaction. Course focuses on how the 'Internet of Things,' augmented reality technologies, new data analyses of artifacts will transform missions, roles, and goals of museums and collections. Core of course will be digital lab sessions focused on virtual reconstruction of lost heritage—e.g., museums and sites destroyed and damaged by ISIS and other conflicts in Iraq and the Middle East (Hatra, Nineveh, Nimrud, Baghdad).
VMS332S - American Independent Cinema

Subject: VMS  
Catalog Number: 332S  
Title: American Independent Cinema

Description
Examination of the emergence, establishment, and transformations of American indie film. Addresses main genres, key films and prominent directors by looking at the aesthetic characteristics of indie films, as well as the social and institutional contexts (primarily its relationship to Hollywood cinema) that led to the creation and important impact of this filmmaking practice. Topics include Midnight Movies of the 70s, New American Cinema, Trash Cinema, Art Cinema, Black Indie Cinema, New Queer Cinema, Generation X, Smart Cinema, Neo Noir, and the Pulp Fiction success story.

VMS333S - Photo Workshop

Subject: VMS  
Catalog Number: 333S  
Title: Photo Workshop

Description
Examines historical and contemporary photographic artists for whom a particular photographic technique is essential to the creation of their work. Investigates strategies of intentional lighting. Explores techniques most suited to the documentation of individual student's chosen subject matter and create a cohesive body of work by semester's end employing that strategy. May use digital or analog equipment. No textbooks are required, though students will need to budget a comparable amount for supplies. Instructor consent required. Prerequisite (any one of): DOCST 115S, 119S; ARTSVIS 115S, 119S; VMS 115S; or equivalent experience.

VMS334 - Roman Spectacle

Subject: VMS  
Catalog Number: 334  
Title: Roman Spectacle

Description
Gladiatorial games, wild beast hunts, elaborately-staged executions of condemned criminals, and chariot racing as some of the most popular forms of public entertainment in the Roman world. The ritual of these entertainments and spectacles, the circumstances of and occasions for their performance, and the form and elaboration of the venues - the amphitheater, the circus, the theater, and the stadium - in which they took place. Visual and literary representations of these spectacles.

VMS335 - Black Popular Culture: Black Cinema

Subject: VMS  
Catalog Number: 335  
Title: Black Popular Culture: Black Cinema

Description
The production and circulation of African American popular cultural forms including, but not limited to, popular literature, music, film, television, and art in the twentieth century. The ways in which African American popular culture may reflect the particular values and ethos of African Americans and the larger American society. This course focuses on black cinema.

VMS336 - Pilgrimage and Tourism

Subject: VMS  
Catalog Number: 336  
Title: Pilgrimage and Tourism

Description
Investigation of pilgrimage and tourist destinations (Jerusalem, Rome, Santiago, Orlando, New York) from the Middle Ages to the present through a study of their material remains, primary sources and theoretical texts. Discussion of the moral and ethical issues involved in marketing authenticity from a cross-cultural and comparative perspective. Evaluation based on weekly student written assessments of the texts and the presentation of a pilgrimage site of their choice.

VMS337 - The History of Hip-Hop

Subject: VMS  
Catalog Number: 337  
Title: The History of Hip-Hop

Description
What began as a localized activity designed to provide a safe haven for Black and Latino youth in New York City, has become a global brand that has had a documented impact on the cultural, political and economic realities of youth throughout the globe. This course will examine the organic social and cultural foundations of hip-hop, as well as the key aesthetic innovators/innovations, and the debates that have arisen over hip-hop's increased influence.
VMS338S - Writing the Short Film

Subject: VMS
Catalog Number: 338S
Title: Writing the Short Film
Description: In-depth study of the short format movie. Development of short film concept and script, including pre-production, storyboarding, and lookbooks.

VMS339S - Sound for Film and Video

Subject: VMS
Catalog Number: 339S
Title: Sound for Film and Video
Description: Theory and practice of sound recording techniques and strategies for film and video. Focus on sound/image relationship, sound design and sound acquisition. Screenings and readings will reinforce practice exercises.

VMS340 - Popular Representations of Black Masculinity

Subject: VMS
Catalog Number: 340
Title: Popular Representations of Black Masculinity
Description: The course will examine the production and circulation of representations of 'Black Masculinity' in post-19th century American culture, within popular realms of expression including film, visual culture, music videos, advertising, popular music, television, drama and stage, literature, and dance/performance. The course will also explore the ways stereotypical images of Black masculinity have impacted public policy perceptions of African Americans and the ways that Black cultural producers have used Black masculinity as sites to stage alternative perceptions of Black humanity.

VMS340S - Producing Docu-Fiction

Subject: VMS
Catalog Number: 340S
Title: Producing Docu-Fiction
Description: Investigation of hybrid, genre-defying films that question traditional definitions of documentary and fiction. Emphasis on experimental forms, documentary reenactment, mockumentary and dramatized 'true stories.' Exploration of both documentary and fiction production techniques, culminating in the production of a final video project.

VMS341S - Farmworkers in North Carolina: Roots of Poverty, Roots of Change

Subject: VMS
Catalog Number: 341S
Title: Farmworkers in North Carolina: Roots of Poverty, Roots of Change
Description: Focus on those who bring food to our tables, particularly those who labor in the fields of North Carolina and the Southeast. Students will learn about farm work from the plantation system and slavery to sharecropping and up to the migrant and seasonal farmworker population today. Study and analysis of media representations of farmworkers and agricultural issues as well as historical and contemporary documentary work and its contributions to farmworker advocacy. Includes a service-learning component involving work in the community.

VMS342S - Islamic Media

Subject: VMS
Catalog Number: 342S
Title: Islamic Media
Description: How contemporary technologies reawaken the sense of the sacred in daily life, rather than destroy it. How technologies new and old circulate the Word in its multiple incarnations, but also cultivate modes of communal identification. How Islamic media transform the social and political landscape, as well as the way we see/feel/and perceive the world. How religion has been intensified, diversified, and inflected by the information age. How this media constitutes the very experience of religion. Film, video, digital media, satellite television, social media, print media, audiocassettes, radio, music.
## VMS344 - Performance Art History and Theory

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<th>Subject</th>
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<th>Title</th>
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<tbody>
<tr>
<td>VMS</td>
<td>344</td>
<td>Performance Art History and Theory</td>
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</tbody>
</table>

**Description**
Performance Art History and Theory explores cultural experimentation, theoretical strategies, and ideological aims of performance art internationally; examines interchanges between artists’ theories of performance, stylistic development, and impact in the context of cultural criticism and art history; traces interdisciplinary genealogies of performance globally; thinks about the body as a vehicle for aesthetic expression, communication, and information in its critique of social and political conditions; studies performance and gender, sexuality, race, and class; asks how performance alters the semiotics of visual culture and contributes to a paradigm shift from modernism to postmodernism.

## VMS345S - Dance for the Camera

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<tbody>
<tr>
<td>VMS</td>
<td>345S</td>
<td>Dance for the Camera</td>
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</table>

**Description**
The choreographic and bodily experience essential to dance for the camera. Hands on experience in videodance production through the exploration/production of several short individual and group videodance projects. Issues in creative and conceptual thinking, experimentation, pre/post video production, camera techniques, non-linear editing (Final Cut Pro), choreography for the camera. Viewings of seminal as well as experimental videodance works; discussions; readings; internet site visits; computer lab and dance studio/shooting location time; gallery/museum or video installation site visits. Prerequisite: Intermediate or above level of any dance technique, or Dance 105S.

## VMS346S - Visual Cultures of Medicine

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<tr>
<td>VMS</td>
<td>346S</td>
<td>Visual Cultures of Medicine</td>
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</table>

**Description**
Exploration of the visual culture(s) of medicine. The changing role of diagnostic visuality and medical imaging from various philosophical and historical perspectives. The connections between medical ways of seeing and other modes of visuality, photography, cinema, television, computer graphics. The circulation of medical images and images of medicine in popular culture as well as in professional medical cultures.

## VMS349 - Hashtags Memes, Digital Tribes

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<tr>
<td>VMS</td>
<td>349</td>
<td>Hashtags Memes, Digital Tribes</td>
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</table>

**Description**
Tracks digital life and creative expression of groups online in a close study of images, captions and hyperlinked tags. Examines rituals, symbols and cultural patterns that structure everyday life of digital tribes online and investigates impact of digital and social media (Twitter, Instagram Facebook, Periscope) on the constitution of communities online and offline. Studying varied array of digital tribes: tribes of the deaf, of oil rig workers, of Hindu worshippers, of prison wives and laptop entrepreneurs, students learn about underlying myths, rituals, and cultural symbols that connect groups of people online.
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<tbody>
<tr>
<td>VMS</td>
<td>350S</td>
<td>The Photobook: History and Practice</td>
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<td>Cultural, intellectual and artistic history and uses of the book in photographic practice. Traces technical, conceptual, formal innovations that mark international history of photography books through lectures/hands-on examination of key books, including lesser known innovations and uses of photobook in Eastern Europe, the Soviet Union and Japan. Marries historical awareness with studio practice. Simultaneous immersion in production of images as well as collecting of archives from various cultures. Crafting of photobooks in several genres as students edit, print, scan, assemble materials. Seminar includes readings, discussions, short writings, field trips. Consent of instructor required.</td>
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<tr>
<td>VMS</td>
<td>351</td>
<td>3D Modeling and Animation</td>
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<td>Basic concepts of 3D modeling and animation; fundamentals of computer geometry; knowledge of basic tools of 3D software (Maya); introduction to modeling, animation, texturing, lighting, and rendering; combination of these techniques in a final project. Recommended prerequisite: Visual and Media Studies 206 or 396.</td>
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<tr>
<td>VMS</td>
<td>353</td>
<td>The Black Performance Tradition: Michael Jackson and Prince</td>
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<td>Examines the Black Performance context that produced Jackson's singular creative genius within the realms of music, movement and politics, including the influence of Black vernacular practices like signifying and sampling, the network of Black social spaces known as the Chitlin' Circuit, the impact of Black migration patterns to urban spaces in the Midwest, and Black performance traditions including Blackface minstrelsy.</td>
</tr>
</tbody>
</table>
### VMS354S - Poetic Cinema

**Subject**: VMS  
**Catalog Number**: 354S  
**Title**: Poetic Cinema  

**Description**  
Inquiry into sources of ‘resonance’ in international cinema with emphasis on films from Asia and the Middle East. The object of the course is to attempt a description of aspects of film construction which conduce to intense experience for viewers. Readings in indigenous aesthetics.

### VMS355 - American Dreams, American Movies

**Subject**: VMS  
**Catalog Number**: 355  
**Title**: American Dreams, American Movies  

**Description**  
A course in selected American films that create as well as reflect American identity from the beginnings of Hollywood moviemaking in the Studio System through the beginnings of Indie spirit. Nine to twelve best-loved movies, such as Mr. Smith Goes to Washington, Casablanca, Rear Window, Singin’ in the Rain, and Dr. Strangelove by directors like Frank Capra, John Ford, Alfred Hitchcock, and Stanley Kubrick. The course pays attention to American cultural history, the development of the movie industry, the idea of the director as auteur, narrative form in film, and some fundamentals of film analysis. Assignments are both written and creative experiments in filmmaking, as suits class interests.

### VMS355S - Videogame Design and Critique

**Subject**: VMS  
**Catalog Number**: 355S  
**Title**: Videogame Design and Critique  

**Description**  
Surveys history, art, technology, narrative, ethics, and design of interactive computer games. Games as systems of rules, games of emergence and progression, state machines. Flow, systems of pleasure, goals, rewards, reinforcement schedules, fictional and narrative elements of game worlds. Responses to immersive & interactive media; experience of gamified systems in diverse contexts. Social, artistic, and cultural effects of games: impact, harm, benefits. Team design and development of game-design storyboards and stand-alone games. Interplay between narrative, graphics, rule systems, and artificial intelligence in the creation of interactive games. Programming experience not required.

### VMS356S - Editing for Film and Video

**Subject**: VMS  
**Catalog Number**: 356S  
**Title**: Editing for Film and Video  

**Description**  
Theory and practice of film and video editing techniques. Exploration of traditional film cutting as well as digital non-linear editing. Exercises in narrative, documentary and experimental approaches to structuring moving image materials.
**VMS357S - Digital Storytelling and Interactive Narrative**

**Description**

**VMS358S - Digital Durham**

**Description**
Representing Durham past and present with digital media. Digitize historical and cultural materials, research in archives and public records and present information through various forms including web pages, databases, maps, video and other media. Analysis of social impact of new representations of place and space.

**VMS359A - Introduction to Global Los Angeles: An Interdisciplinary Survey (Service-Learning)**

**Description**
This course explores the complexities of global Los Angeles by focusing on issues that especially impact its marginalized communities. For the service-learning component, students volunteer at least 20 hours during the semester at nonprofit organizations engaged in the pursuit of social justice. This experience provides an opportunity to observe, participate in and reflect on the day-to-day implementation of social action, policy and organizing initiatives. As part of the volunteer commitment and in lieu of a final paper, students produce a documentary media project that communicates goals identified by and in collaboration with the community partner.

**VMS360S - Writing the Movie. Introduction to the Theory and Practice of Writing for the Screen**

**Description**
Theory and practice of the process of writing for the screen. Exploration of visual storytelling; analysis of screenplays and movies; developing original stories into screenplay format. Projects: writing and presenting treatments, outlines and scenes.

**VMS362S - 16mm Film Production**

**Description**
Hands-on experience with 16mm motion picture film and photography. In-depth exploration of the techniques and aesthetics of film production, including basic screen writing, lighting, storytelling, and editing.

**VMS363S - Time, Space and Film**

**Description**
Exploration of temporal transformation, spatial articulation and subjectivity in the moving image. From special effects and avant-garde experiments to the long take and the fluid master. Readings and screenings inform hands-on practical exercises.
VMS364S - Web Design and Narrative: Artists, Documentarians, Art Historians, and Entrepreneurs

Subject: VMS  
Catalog Number: 364S  
Title: Web Design and Narrative: Artists, Documentarians, Art Historians, and Entrepreneurs

Description:
Professional practices course for students in creative fields without a computer science background: for artists and documentarians to create robust web-based portfolios; for art historians to showcase curatorial and scholarly projects; for entrepreneurs to demonstrate ideas, concepts, and products to the public. Develop customized, individual websites using CMS platforms. Hone and workshop artistic/curatorial/product statements. Develop teaching philosophies, exhibition imagery, and video documentation of artistic, curatorial, or product talks. Publish a blog magazine on arts and innovation topics. Guest speakers visit the course on a regular basis to review the students’ work.

VMS365S - The Documentary Turn: Southern Culture

Subject: VMS  
Catalog Number: 365S  
Title: The Documentary Turn: Southern Culture

Description:
Traces the convergence of traditional 20th c. documentary narrative (oral history, photography, film, and ethnography) with emergent 21st c. technologies (digital platforms, crowd-sourced communications, viral information) that expand and test definitions of documentary practice. Course looks for unexpected outcomes and future possibilities at the intersections of analog and digital practice. Focus is on the cultures of the American South with an understanding of that region as mapped within a global imaginary. Requirements include experimental documentary project that combines storytelling (visual/literary), performance (theater/dance/music) or investigative research (oral/archival).

VMS365SL - Digital Art History I: New Representational Technologies

Subject: VMS  
Catalog Number: 365SL  
Title: Digital Art History I: New Representational Technologies

Description:
Research and study in material culture and visual arts expressed by using new visual technologies to record and communicate complex sets of visual and physical data from urban and/or archaeological sites. Introduces techniques for presentation and interpretation of visual material through a series of interpretive and reconstructive technologies, including development of web pages, timelines, Photoshop, Illustrator, Trimble SketchUp, Google Maps, GIS. Uses test cases (archaeological site or urban/architectural site) to develop techniques of interpretation and representation. Instructor consent required.

VMS366L - Theories and Practices of Data Visualization

Subject: VMS  
Catalog Number: 366L  
Title: Theories and Practices of Data Visualization

Description:
Combination of lectures, labs, and workshops on the theories and practices of data visualization, focused on creative applications of advanced tools and software, including introduction to data scraping, data cleaning, and elementary coding. Students will use innovative strategies to develop new databases with imperfect information, combining qualitative and quantitative data on the interface of the humanities and the social sciences. Individual and collaborative research projects will combine qualitative and quantitative analysis with weekly feedback and assessment.
VMS370S - Women and Film: Directors of the Diaspora

Subject: VMS
Catalog Number: 370S
Title: Women and Film: Directors of the Diaspora

Description:
Black women filmmakers have been actively involved in filmmaking since the early 20th century, and occupy notable positions in the 21st century media environment. Artists such as Ava Duvernay and Julie Dash demand critical attention to black women film and video artists. Films made by Black women are constructed in a variety of forms, such as animation, documentary, experimental, and narrative. These works bring a unique perspective to the screen. This course will give students an opportunity to view films, examine the specifics of film/video production in general, compare the various works produced by women directors, and acquire the skills necessary for film/video cultural criticism.

VMS373S - The View Camera: Black and White Large Format Photography

Subject: VMS
Catalog Number: 373S
Title: The View Camera: Black and White Large Format Photography

Description:
Advanced, production-based photography course introduces students to the 4 x 5 large format view camera and its role in the documentary tradition. Learn to operate a view camera and attendant processes and materials to develop black and white sheet film and make silver gelatin contact prints from 4 x 5 negatives. Begins with focus on black and white negatives and contact prints. After demonstration of proficiency, students may optionally work in color film. Students produce a final portfolio of prints from their work throughout the semester. Class meetings consist of lectures, demonstrations, darkroom work, and critique of both process and final images.

VMS374 - Artists in Healthcare: Collaborations and Complexities

Subject: VMS
Catalog Number: 374
Title: Artists in Healthcare: Collaborations and Complexities

Description:
The economically over-burdened US health care system and extended life expectancies for older adults offer a unique opportunity for working artists—not arts therapists—to intervene in the rapidly expanding field of integrative art and health. Rather than study health outcomes as indicators of 'success,' we centralize creative practice as our axis of inquiry. Course readings, interviews, and field visits to a Durham-based intervention highlight power imbalances and cultural sensitivities in hospitals, clinical care, assisted living, and nonprofit community care contexts. Culminates in student driven case studies of local arts work and workarounds.

VMS375S - Recycled Cinema

Subject: VMS
Catalog Number: 375S
Title: Recycled Cinema

Description:
Found footage filmmaking, cinematic appropriation, the use of archival materials in documentaries, and current day internet mashups. Covering early cinema, experimental and documentary cinema, television, and the internet. Key emphasis on practice based assignments with a concurrent focus on the historical impact of the field from seminal moments to the contemporary moment through films and readings on the subject. Prerequisite: 100-level or above Visual Arts course, or permission of instructor.
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<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
<th>Description</th>
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<tbody>
<tr>
<td>VMS376SA</td>
<td>376SA</td>
<td>Berlin Film City: Movies in the Metropolis</td>
<td>A course about Berlin's rich and unparalleled cinema history. Screenings, readings, and visits to historical studios and cinemas, film museums, archives, and film academies. The course is structured around a series of iconic films about Berlin. Units on Weimar cinema, Nazi film, DEFA (East Germany's production studio), the New German Cinema of the 1970s and 80s, post-wall film, and the twenty-first century Berlin School. Students will engage in close analysis of films in their historical context and discuss how cinema engages with issues of national, political, religious, ethnic, gender and sexual identities. Offered in English in the Duke in Berlin summer program.</td>
</tr>
<tr>
<td>VMS378</td>
<td>378</td>
<td>Chinese Buddhist Art</td>
<td>Chinese sculpture, painting, and architecture in relation to Buddhist texts, practice, and ritual from the fourth through the ninth century C.E. Introduction to precedents in Indian and Central Asian Buddhist art. Emphasis on the relationship between Buddhist and non-Buddhist imagery.</td>
</tr>
<tr>
<td>VMS379S</td>
<td>379S</td>
<td>Visiting Filmmaker Master Courses: Special Topics</td>
<td>Intensive production courses with visiting filmmaker. Topics vary by semester. May be taken twice.</td>
</tr>
</tbody>
</table>
VMS380SA - Digital Cities and the Cartographic Imagination
Subject: VMS
Catalog Number: 380SA
Title: Digital Cities and the Cartographic Imagination

Description:

VMS381S - Graphic Design in Motion
Subject: VMS
Catalog Number: 381S
Title: Graphic Design in Motion

Description:
Motion design is the creation of animated graphics using graphic design, typography, advertising, photography, animation, sound and filmmaking. Emphasis will be on design, conceptualization and ability to communicate ideas and work collaboratively. Learn language and principles of graphic design by developing a method for solving design problems, communicating ideas effectively, and creating professional motion design such as title credits, logo animation, and newsreel that can be integrated into film, life performance or web. Photoshop, Illustrator, After Effects, and video editing software will be used. Prerequisite: one of the following: Visual Arts 102, 206, 223, or 326S, or Arts of the Moving Image 350S or 357S.

VMS382D - Global Art Since 1945
Subject: VMS
Catalog Number: 382D
Title: Global Art Since 1945

Description:
Major avant-garde movements of the post-World War II era, with a concentration on the unprecedented changes in the mediums of art, its forms, impact on society and politics, and ethical role in shaping culture through painting and sculpture, conceptual and performance art, installation and new media, video, photography, and film.

VMS384S - Storyworlds: The Art, Technology, and Pleasure of Narrative
Subject: VMS
Catalog Number: 384S
Title: Storyworlds: The Art, Technology, and Pleasure of Narrative

Description:
Is 'tell me a story' an universal imperative? Seminar examines storytelling practices across a broad span of histories and cultures, and the creation of storyworlds through multiple media, genres, and platforms. Topics include comparative oral traditions, Medieval story cycles, serial tales, textual poaching and fanfic, alternate reality gameworlds (ARG), social media, transmedia storytelling and transcultural fandoms.
VMS385 - Mafia at the Movies

Subject: VMS  
Catalog Number: 385  
Title: Mafia at the Movies

Description:
A study of the mafia, and by extension, Italy’s ‘dark heart,’ in its historical, social, economic, cultural, and political dimensions, as represented in a wide range of Italian and American films and television productions, from documentary to comedy. Course will also consider possibilities and limits inherent to cinema in representing, and influencing cultural and social realities. Taught in English, Italian majors and minors should inquire with the professor about the possibility of concurrently enrolling in a tutorial for credit towards the language requirement for the major or minor.

VMS386S - Documentary and Policy: How Documentary Influences Policy

Subject: VMS  
Catalog Number: 386S  
Title: Documentary and Policy: How Documentary Influences Policy

Description:
Examines documentaries as catalysts for change in local, state, and federal laws and regulations, with special attention to relationships between film and organizations with political influence. Looks at how documentaries have altered public sentiment and political outcomes. Uses case studies of documentary films (essay-style, journalistic, information-driven films; narrative, story-driven films; propaganda; art films; and hybrids of all of the above). Explores the question of how a film achieves influence: for example, with a high-profile theatrical and/or television release, by utilization as an educational tool, or by ‘going viral’ to become part of a public conversation.

VMS387S - Screenwriting

Subject: VMS  
Catalog Number: 387S  
Title: Screenwriting

Description:
Advanced writing projects for feature film. Study of existing scripts and videos, application of techniques.

VMS388S - Black Thought and Creativity to 1865

Subject: VMS  
Catalog Number: 388S  
Title: Black Thought and Creativity to 1865

Description:
How did people of African descent express themselves in the context of slavery? What did they write about? What kinds of items did they create? This course will explore the cultural, intellectual, and aesthetic knowledge produced by people of African descent before 1865 and how these works continue to shape conceptions of liberation in contemporary Black life. Students will engage materials by Black thinkers, artists, activists, and critics, from the nineteenth to the twenty-first century, who use creativity to ruminate on freedom and black liberation in diverse media, including autobiography, painting, speech, photography, performance and food culture.
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<tr>
<td>VMS</td>
<td>389S</td>
<td>Women and Visual Media Studies</td>
<td>This course explores visual media by women artists, as well as the production, circulation, and reception of visual culture about the idea of 'woman.' Drawing on feminist scholarship across disciplines, students will examine representation, spectatorship, power, beauty, and sex. We will explore work by popular icon Beyoncé, artist Lorna Simpson, but also independent documentary films on relevant themes.</td>
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<tr>
<td>VMS</td>
<td>390</td>
<td>Special Topics in Visual &amp; Media Studies</td>
<td>Topics vary by semester.</td>
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<tr>
<td>VMS</td>
<td>390A</td>
<td>Duke-Administered Study Abroad: Advanced Special Topics in Visual Studies</td>
<td>Topics differ by section.</td>
</tr>
<tr>
<td>VMS</td>
<td>390S</td>
<td>Special Topics in Visual and Media Studies</td>
<td>Topics vary by semester.</td>
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<tr>
<td>VMS</td>
<td>390S-1</td>
<td>Topics in Digital History and Humanities</td>
<td>Digital History and Digital Humanities in theory and practice. Students plan, research and develop new technology projects which present archival material and historical interpretations to scholars and the general public through research papers, websites, and museum exhibits. The course meets weekly to discuss readings in American history, southern history, and digital history/humanities. Students explore archival material in the Rubenstein Library, learn how to use digital tools for humanities projects, develop principles of effective digital project management, create cross-disciplinary collaborations and learn about the ethics for creating research projects in the humanities.</td>
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<tr>
<td>VMS</td>
<td>390T</td>
<td>Special Topics in Visual and Media Studies: Tutorial</td>
<td>Topics vary per semester. Information science and studies areas as understood historically, thematically, and in contemporary cultures. Theoretical readings coupled with hands-on work with technology and new media applications.</td>
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</tbody>
</table>
VMS391 - Independent Study

Subject: VMS  
Catalog Number: 391  
Title: Independent Study  

Description: Directed reading in a field of special interest, under the supervision of a faculty member, resulting in a substantive paper or report. Open to qualified students in the junior year, by consent of instructor and director of undergraduate studies.

VMS392 - Independent Study

Subject: VMS  
Catalog Number: 392  
Title: Independent Study  

Description: See Visual and Media Studies 391. Open to qualified students in the junior year, by consent of instructor and director of undergraduate studies.

VMS393 - Research Independent Study

Subject: VMS  
Catalog Number: 393  
Title: Research Independent Study  

Description: Individual research in a field of special interest under the supervision of a faculty member, the central goal of which is a substantive paper or written report containing significant analysis and interpretation of a previously approved topic. Open to qualified students in the junior year, by consent of instructor and director of undergraduate studies.

VMS394 - Research Independent Study

Subject: VMS  
Catalog Number: 394  
Title: Research Independent Study  

Description: See Visual and Media Studies 393. Open to qualified students in the junior year, by consent of instructor and director of undergraduate studies.

VMS396 - Graphic Design in Multimedia: Theory and Practice

Subject: VMS  
Catalog Number: 396  
Title: Graphic Design in Multimedia: Theory and Practice  

Description: Design history and theory. Lectures and projects focused on direct interaction with digitized elements of historically significant designs. Design elements and principles. Comparison of the language and tools of old and new media. Analysis of visual materials, discovering conceptual and stylistic connections, including Illustrator and Photoshop. Consent of instructor required.

VMS397L - Interactive Graphics: Critical Code

Subject: VMS  
Catalog Number: 397L  
Title: Interactive Graphics: Critical Code  

Description: Introduction to interactive graphics programming for artists. Explores object-oriented programming via the Processing programming environment as well as historical and theoretical appreciation of interactivity and computer graphics as artistic media. Combines discussions of key concepts from the readings with hands-on Processing projects and critiques. No previous programming experience or prerequisites required. Enrollment limited to 15 students.
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<th>Subject</th>
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<tr>
<td>VMS</td>
<td>405S</td>
<td>Media and Conflict</td>
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<td>Focus on the role of media in the context of colonialism, war and conflict across various historical periods. Attentive to the ways that media technologies have been employed both as tools of power and vehicles of protest and resistance. Theoretical readings are paired with a set of international case studies -- e.g. colonial atrocity archives, #BlackLivesMatter, Syrian civil war, the Abu Ghraib torture scandal, the Israeli military occupation, drone strikes -- that enable us to test the applicability of theoretical discussions to contemporary case studies. Readings in Butler, Kaplan, Sontag, Stein and Kuntsman, Virilio and others.</td>
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<tr>
<td>VMS</td>
<td>410S</td>
<td>Black Frame: African American Documentary Film</td>
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<td>This course examines black documentary film by drawing on The Full Frame Archive Film Collection. The Full Frame Documentary Film Festival is the largest film festival in the United States entirely devoted to documentary film. Students enrolled in this class will read canonic texts on the black documentary film, study camera techniques, explore the history of the Full Frame Festival, critique the role of race in social justice filmmaking and interact with documentary filmmakers.</td>
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<tr>
<td>VMS</td>
<td>412S</td>
<td>Cultures of New Media</td>
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<td>Anthropological look at 'new media' - their varied forms and histories, how they are used and understood, and their meanings and effects within different communities of users. Charts a number of technologies deemed 'new' in their day and the social meanings and communities that such technologies generated. Explores new media in domains of art and literature, as well as issues of race, gender, sexuality and how other indices of difference come to bear on new media and its use. Grounded in anthropology, readings will also draw on media studies, visual studies, cultural studies and critical theory, queer and gender theory, history and geography.</td>
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<tr>
<td>VMS</td>
<td>414A</td>
<td>Urban Fiction and Collective Imagination: Madrid Through Literature and Film</td>
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<td>This Duke in Madrid course offers a panoramic look at some of the most important, contemporary artistic and cultural expressions and how they represent Madrid. While looking at historical, social and artistic contexts, we will spend time reflecting and engaging in debates about issues that have been shaping the dynamics of modern cities such as multiculturalism, migration and the role of women. Also, we will look for a way to position Madrid in the face of global questions about Hispanic culture and how it is perceived in other countries.</td>
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</table>
VMS417S - The Middle East: From Facebook to Film

**Subject**: VMS  
**Catalog Number**: 417S  
**Title**: The Middle East: From Facebook to Film

**Description**  
Studying the Middle East through the lens of popular culture, with a focus on the cultural changes of the digital era. Focus on social media, film, graphic novels, amateur cameras. Studies how popular cultural forms relate to concurrent political and historical processes. Themes include: digital media and society, state violence and terrorism, human rights, sexuality and youth culture.

VMS419 - Spanish Cinema from the Transition to the Present

**Subject**: VMS  
**Catalog Number**: 419  
**Title**: Spanish Cinema from the Transition to the Present

**Description**  
Overview of Spanish cinema, from transition to our present days. Having undergone dramatic transformation in past years, Spanish film offers privileged area to study main features, novelties, contradictions, and tensions. Analyzes two chronological phases: the mid 70s to late 80s, characterized by intense cinematic negotiation with immediate past that unveils cracks and violence of normalizing erasure proposed from the political institutions; and the 90s until the present, a period marked by Spanish film’s entrance in the global market, with its identitarian reassessment and emphasis in new pressing issues such as immigration, memory, and gender violence.

VMS419A - Spanish Cinema from the Transition to the Present

**Subject**: VMS  
**Catalog Number**: 419A  
**Title**: Spanish Cinema from the Transition to the Present

**Description**  
Overview of Spanish cinema, from transition to our present days. Having undergone dramatic transformation in past years, Spanish film offers privileged area to study main features, novelties, contradictions, and tensions. Analyzes two chronological phases: the mid 70s to late 80s, characterized by intense cinematic negotiation with immediate past that unveils cracks and violence of normalizing erasure proposed from the political institutions; and the 90s until the present, a period marked by Spanish film’s entrance in the global market, with its identitarian reassessment and emphasis in new pressing issues such as immigration, memory, and gender violence. Offered through Duke in Madrid program.

VMS420S - Political Cinema in Latin America

**Subject**: VMS  
**Catalog Number**: 420S  
**Title**: Political Cinema in Latin America

**Description**  
What counts as ‘political cinema’? What are the possible relations between cinema and politics, particularly in Latin America? How can cinema not only comment on political issues but also perform politics through practices of production and aesthetic choices that are germane to film as a cultural form? This course explores these and related questions through a survey of landmark Latin American works from the mid-twentieth century to the present. Taught in Spanish.
**VMS423S - City Stories, Eastern Europe: Prague, Warsaw, Budapest, Sarajevo**

**Subject**
VMS

**Catalog Number**
423S

**Title**
City Stories, Eastern Europe: Prague, Warsaw, Budapest, Sarajevo

**Description**
Explores the multicultural histories, landmarks, and architectural styles of these four major European capitals. Drawing on paintings, photos, films, histories, memoirs, and fiction, we’ll trace the aesthetic, religious, and political imprints of overlapping empires—Hapsburg, Russian, Ottoman, and Soviet—on these fascinating cities; consider how their urban communities accommodated influential religious minorities (Jews, Muslims, Christians); and study the roles they played in their respective nations. All readings in English translation and films screened with English subtitles.

**VMS425S - Surrealism: Aesthetics and Politics**

**Subject**
VMS

**Catalog Number**
425S

**Title**
Surrealism: Aesthetics and Politics

**Description**
Introduces basic principles and central issues of Surrealism investigating its relations with modernism. Examines Surrealist strategies (automatism, hypnosis, collage, found objects), themes (dreams, sexuality, dépaysement), and political agendas (Marxism, anti-colonialism, anarchism) across a wide range of verbal sources and visual artefacts and from a variety of angles: its precursors (Sade, Freud, Apollinaire), the practices in the Parisian scene in the 1920s, the European anti-fascist phase, reception of Parisian surrealism in the Caribbean, theoretical reflections by Benjamin and Adorno, the legacies (The Situationist International, May 1968, Pop Art). Conducted in French.

**VMS429S - Historical Documentary Production**

**Subject**
VMS

**Catalog Number**
429S

**Title**
Historical Documentary Production

**Description**
Course examines how archival footage and photographs are used in historical documentaries about struggles for social equity in America. Iconic films will be reviewed to assess editors’ strategies for employing archival material in documentaries on the labor movement, civil rights movement, anti-Vietnam war movement, and early lesbian and gay rights movement. Students will then conduct research for film footage and photographs and learn practical steps needed to acquire rights to use the material. During the second half of the semester, students will be guided in the production and editing of their own short historical documentaries.

**VMS432S - From the Art of the Pleasure Quarters to Tokyo Pop**

**Subject**
VMS

**Catalog Number**
432S

**Title**
From the Art of the Pleasure Quarters to Tokyo Pop

**Description**
Starting in the bordellos of 17th-century Edo (now modern-day Tokyo) and spanning up through the kitsch of contemporary Japanese pop culture, this course examines the vibrant and often bawdy forms of Japanese print and visual culture. Introduction to Japanese printmaking practices and a forum for discussing critical issues related to sexuality, censorship, spectacle, satire, tourism, the supernatural, and the Asian experience of modernity. Investigates the spectacular worlds of the kabuki theater, sumo wrestling, and the “pleasure quarters” (the red-light district designated for licensed prostitution).
VMS433S - Photography in the Americas: War, Tourism, Art, and Protest

Description
Since it emerged in the 19th century until today, the camera has framed our way of seeing and understanding the world. In this course, students accompany the camera in its path through major events in the Americas—North, South, and Central—and examine the profound connections between them. We discuss photography as a weapon of war, a souvenir for tourists, an instrument of protest, an illustration of history, a journalistic and ethnographic tool, and an artistic medium. Key developments in photographic processes, from halftone printing to digital imaging, offer opportunities to reflect on the relationship between visual culture and technology, and art and politics. Taught in Spanish.

VMS434 - Experimental Sculpture and Installation Art

Description
This course explores ideas surrounding the creation of experimental sculpture. It employs non-traditional methods: 'readymades,' non-traditional materials, conceptual processes, digital interaction and fabrication techniques (rapid prototyping), mixed media including video, and projection technologies. Content of work driven by individual student interests, sustainability, the anthropocene, feminism, social and political commentary, and/or more formal, abstract sculptural relations. Instructor consent required.

VMS435S - Soviet Life through the Camera’s Lens

Description
An in-depth look at images and representations of Soviet life through Soviet and Russian film. Film texts include films shown in theatres, television films and forbidden films/films with a very limited distribution. Emphasis on the period from the mid-1970s through 1991. Course taught in Russian. Prerequisite: Russian 301S or equivalent or consent of instructor.

VMS438S - Techno-Orientalism: Asian/America, (Post)Human and Science Fiction

Description
Course examines global Science Fiction genres in literature, film, and social media as case studies to understand broad historical and social formations of Otherness, the Alien, Citizenship, (Im)migration. Studies racial assumptions in popular culture, domestic and international law, discourse of the human and human rights, science and technology industries, and other disciplines. Explores interdisciplinary intersections of race, gender, sexuality, class, and geopolitical divisions and interactions in Asian/American Studies and Postcolonial Studies from the past to the present.
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<tr>
<td>VMS439</td>
<td>439</td>
<td>Queer China</td>
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</table>

**Description**

Examines queer discourses, cultures, and social formations in China, Greater China, and the global Chinese diaspora from the late imperial period to the present. Course will focus on cultural representations, particularly literary and cinematic, but will also consider a wide array of historical, anthropological, sociological, and theoretical materials.

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<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>VMS450S</td>
<td>450S</td>
<td>Narrative Projects</td>
</tr>
</tbody>
</table>

**Description**


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<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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<tbody>
<tr>
<td>VMS451S</td>
<td>451S</td>
<td>Filming Art</td>
</tr>
</tbody>
</table>

**Description**

Practice-based production course examining the filmic realization and visualization of the artistic process. Screenings of bio-pics, documentaries and experimental films focusing on artists and various art forms complement readings and hands on production exercises that will prepare students to undertake their own short video portrait of an artist or work of art.

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<tr>
<th>Subject</th>
<th>Catalog Number</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>VMS452S</td>
<td>452S</td>
<td>Animation Practice II</td>
</tr>
</tbody>
</table>

**Description**

Building on foundations of animation, this course expands upon and develops a further working knowledge of challenges faced in animation production. Examines the historical origins of animation from film and digital imaging to the contemporary 3-D workflow. Skills will be integrated into a self-directed final project of the student's own design. Suggested prerequisites: CINE 320S or CINE 381S.

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<tr>
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<th>Title</th>
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<tbody>
<tr>
<td>VMS453S</td>
<td>453S</td>
<td>Cinematography II</td>
</tr>
</tbody>
</table>

**Description**

Course explores the approaches, strategies, motivations, and creative processes that inform cinematography. Elements of cinematic style, visual imagination, and storytelling are discussed and explored through exercises. Students learn the relationships and responsibilities involved in the art, and are guided in the execution of the various canonical and extraordinary working methods involved in traditional, experimental, and modern cinematography. Suggested prerequisite: CINE 355S.

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</thead>
<tbody>
<tr>
<td>VMS454SL</td>
<td>454SL</td>
<td>Digital Art History II: New Representational Technologies Advanced</td>
</tr>
</tbody>
</table>

**Description**

Team-based research and study in material culture and visual arts expressed by using new visual technologies to record, interrogate, and communicate complex sets of visual and physical data from urban and/or archaeological sites. More advanced techniques for presentation and interpretation of visual material through a series of interpretive and reconstructive technologies. Use test cases (archaeological site or urban/architectural site) to further develop techniques of interpretation and representation. Public facing presentation of data and results of research is aim of final team-based project. Prerequisite: Art History 354SL/Visual and Media Studies 365SL.
VMS476S - Archiving and Visualizing Asia: Politics and Poetics of Knowledge Production

Subject: VMS  
Catalog Number: 476S  
Title: Archiving and Visualizing Asia: Politics and Poetics of Knowledge Production

Description:
Engages students in the practices and theories of archiving, documenting and curating marginal histories. Hands-on research in the archives of Duke’s Rubenstein Special Collections and elsewhere. Examines histories of movements and encounters between the 'West' and 'Asia.' Teaches original archival research and documentary methods through guided excavations in digital, audiovisual, and material resources. Directed readings and special guest lectures guide students on how to think critically on the theories and praxis of knowledge production, collection, documentation, circulation, and consumption. Students curate projects for final research assignment.

VMS489S - Screening Europe

Subject: VMS  
Catalog Number: 489S  
Title: Screening Europe

Description:
Course debates identification of Europe as a political, historical and social entity from the standpoint of cinema. Provides students with an introduction to the notion of 'European cinema' from 1945 to the present-day crisis of Brexit and migration. Explores issues concerning interactions and relations between national and transnational identities, the local and the global, post-colonialism and multiculturalism, migration and nationalism, and Eastern versus Western Europe.

VMS490S - Special Topics in Visual and Media Studies

Subject: VMS  
Catalog Number: 490S  
Title: Special Topics in Visual and Media Studies

Description:
An advanced investigation of major concepts and principles in visual and media studies and/or theories of visual and media studies. Contents and methods vary with instructors.

VMS490T - Collaborative Computational Media Project Design and Development Topics

Subject: VMS  
Catalog Number: 490T  
Title: Collaborative Computational Media Project Design and Development Topics

Description:
Interdisciplinary teams of students work with faculty to design and develop a computational media project. A team’s work may run in parallel with or contribute to an ongoing research project, which will be determined in advance. Teams will participate in seminars, data collection and analysis, field work and other learning experiences relevant to the project. Requires final paper or product containing significant analysis and interpretation. This course is designed to fulfill the project requirement for the Interdepartmental Major in Computational Media, Certificate in Information Science + Studies, or for Bass projects. Students from other disciplines welcome.
VMS491 - Independent Study
Subject: VMS
Catalog Number: 491
Title: Independent Study
Description: Directed reading in a field of special interest, under the supervision of a faculty member, resulting in a substantive paper or report. Open only to qualified students in the senior year. Consent of instructor and director of undergraduate studies required.

VMS492 - Independent Study
Subject: VMS
Catalog Number: 492
Title: Independent Study
Description: See Visual and Media Studies 491. Open only to qualified students in the senior year. Consent of instructor and director of undergraduate studies required.

VMS493 - Research Independent Study
Subject: VMS
Catalog Number: 493
Title: Research Independent Study
Description: Individual research in a field of special interest under the supervision of a faculty member, the central goal of which is a substantive paper or written report containing significant analysis and interpretation of a previously approved topic. Open only to qualified students in the senior year. Consent of instructor and director of undergraduate studies required.

VMS494 - Research Independent Study
Subject: VMS
Catalog Number: 494
Title: Research Independent Study
Description: See Visual and Media Studies 493. Open only to qualified students in the senior year. Consent of instructor and director of undergraduate studies required.

VMS495S - Honors Thesis Workshop
Subject: VMS
Catalog Number: 495S
Title: Honors Thesis Workshop
Description: Research and writing skills for students completing an honors thesis; bibliography, library and on-line research; use of archives; picture research and other research skills relating to the history of art; organization of material and preparation for writing; drafting, editing, and production of a finished text; use of scholarly conventions of referencing, footnoting etc. Compulsory for seniors preparing a graduation with distinction dissertation in art history. Instructor consent required.

VMS495T - Collaborative Computational Media Project Design and Development
Subject: VMS
Catalog Number: 495T
Title: Collaborative Computational Media Project Design and Development
Description: Interdisciplinary teams of students work with faculty to design and develop a computational media project. A team's work may run in parallel with or contribute to an ongoing research project, which will be determined in advance. Teams will participate in seminars, data collection and analysis, field work and other learning experiences relevant to the project. Requires final paper or product containing significant analysis and interpretation. This course is designed to fulfill the project requirement for the Interdepartmental Major in Computational Media, Certificate in Information Science + Studies, or for Bass projects. Students from other disciplines welcome.
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<tbody>
<tr>
<td>VMS</td>
<td>496S</td>
<td>Visual Arts Practice and Cinematic Arts Concentration Senior Capstone</td>
<td>Senior capstone seminar in advanced research in Visual Arts practice and theory, Cinematic Arts practice and theory. Capstone requires the completion of major research project or body of work, participation in regular critiques, and presentation of work at a capstone exhibition. Visual Arts students work in any given media or combination thereof. Cinematic Arts Concentration students focus on the research and/or production of works in film, video, animation, or any time-based media. Course is structured around joint critiques and guest presentations, fostering an interdisciplinary environment representative of contemporary art contexts and professional practice.</td>
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<tr>
<td>VMS</td>
<td>497S</td>
<td>Advanced Visual Practice</td>
<td>Majors in the fall of their senior year work on independent projects in a group situation. Students meet weekly with professor teaching course to discuss progress and monthly with full Visual Arts and Visual and Media Studies faculty for critiques. This course serves as anchor course for students participating in Graduation with Distinction in Visual Arts and those Graduation with Distinction students in Visual and Media Studies with a practice-based component to their project. Initial development of projects during the fall semester, brought to completion in the Capstone course in spring. Instructor consent required.</td>
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<tr>
<td>VMS</td>
<td>499S</td>
<td>Senior Capstone in Visual &amp; Media Studies</td>
<td>Capstone seminar focusing on advanced visual studies theories, as well as individual senior projects undertaken as a written research paper or written paper plus a visual/media production. Consent of instructor required.</td>
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<tr>
<td>VMS</td>
<td>89S</td>
<td>First-Year Seminar</td>
<td>Topics vary. Open only to first-year students.</td>
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</tbody>
</table>
WRITING101 - Academic Writing
Subject  WRITING  
Catalog Number  101  
Title  Academic Writing  
Description  Instruction in the complexities of producing sophisticated academic argument, with attention to critical analysis and rhetorical practices. Topics vary by section.

Subject  WRITING  
Catalog Number  165S  
Title  Making Your Voice Heard: The Arts of Oral Communication, Critical Speaking, and Digital Rhetoric  
Description  From ancient storytelling and Aristotelian rhetoric to contemporary Ted talks and Vox Pop podcasts, oral communication remains one of the most varied, meaningful, and influential arts of human expression. This course introduces students to the complex traditions, legacies, and emerging landscapes for oral communication, critical speaking, and digital rhetoric in academic, professional, public, and social contexts. Of central importance will be a focus on the ethics and socio-cultural structures that shape oral communication and that impact whose voices tend to be heard and whose voices often remain less heard.

WRITING190S - Special Topics: Writing in the Disciplines
Subject  WRITING  
Catalog Number  190S  
Title  Special Topics: Writing in the Disciplines  
Description  Topics vary by section.

WRITING190SA - Special Topics: Writing in the Disciplines
Subject  WRITING  
Catalog Number  190SA  
Title  Special Topics: Writing in the Disciplines  
Description  Topics vary by section. Topics course.

WRITING199FS - Knowing Through Performance
Subject  WRITING  
Catalog Number  199FS  
Title  Knowing Through Performance  
Description  Inquiry into the concept of ‘performance’ broadly construed; not only as it refers to ‘staged’ performances, but as social ritual and as self-representation, situated in cultural context. Writing experiments aimed at capturing the ephemerality of live performance, with attention to how meaning is enacted through movement, sound, lighting, rhythm, voice, emotion, and audience interaction. Regular writers’ workshops and attendance of theater, dance, and musical performances. Students compose critical reviews and a research project on a performance genre, an artist’s approach, or other related topic of their choosing.

WRITING205S - Composing Oneself: Stress, Identity, and Wellness
Subject  WRITING  
Catalog Number  205S  
Title  Composing Oneself: Stress, Identity, and Wellness  
Description  Interdisciplinary exploration of arts and science related to stress, identity, and wellness. Multi-dimensional focus fusing science, theory, art, literature, and performance to understand structural causes of stress, their physiological effects, and how stressors impact our identities and community ethics. Through text analysis and experience, students explore how arts of wellness, including yoga, mindfulness, and art therapies, impact stress, identity, and ethics. Course texts include literary and discourse theory, social science, neuroscience, and primary texts related to stress, identity, and wellness, including nonfiction, fiction, poetry, art, music, performance.
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<tbody>
<tr>
<td>WRITING</td>
<td>255S</td>
<td>WRITING255S - Literacy, Writing, Tutoring</td>
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<td>Description: Theories of literacy and high school and college level teaching tutoring</td>
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<td>practices. Composition studies, literacy studies, and writing center/tutoring theories.</td>
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<td>Includes tutoring students.</td>
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<td>WRITING</td>
<td>267S</td>
<td>WRITING267S - The Dialog Laboratory: Experiences in Group Communication</td>
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<td>Description: Interactive, performance-based course grounded in dialog and discussion.</td>
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<td>Open-ended components of the course make learning emerge through doing, reflecting, and</td>
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<td>adjusting to the particularities of the people involved. Strong emphasis on student-built</td>
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<td>directions and norms. The laboratory approach to the classroom empowers students to</td>
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<td>decide how dialog skills are used and what goals to pursue individually and collectively.</td>
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<td>A course for self-directed students seeking sustained adventures into new communicative</td>
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<td>experiences and sharpened audience adaptation. Instructor feedback and readings provide</td>
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<td>ample concepts to service students' needs and goals.</td>
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<td>WRITING</td>
<td>270</td>
<td>WRITING270 - Composing the Internship Experience: Topics in Digital Rhetoric and Social Media Discourse</td>
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<td>Description: Examines how students participating in an internship or other work-related</td>
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<td>experience can productively narrate their experiences using digital rhetoric and social</td>
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<td>media. Topics vary depending on each student's internship, and also include theoretical</td>
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<td>perspectives on social media, examining audience, purpose, and context in digital</td>
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<td>platforms, and composing in public sphere. Students apply internship/work experience to</td>
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<td>course concepts as they produce digital writing and social media projects. Online course.</td>
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<td>May be repeated. Prerequisite: Writing 101. Instructor consent required.</td>
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<tr>
<td>WRITING</td>
<td>271</td>
<td>WRITING271 - Reflective Writing and the Internship/Work Experience</td>
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<td>Description: Study of key concepts related to reflective writing through reading,</td>
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<td>discussion, and structured writing. Students will compose reflective writing about their</td>
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<td>internship/work experiences. May be repeated.</td>
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</table>
WRITING275S - Cyber Connections: Communication in the Digital Age

**Subject**  
WRITING

**Catalog Number**  
275S

**Title**  
Cyber Connections: Communication in the Digital Age

**Description**
Explores contemporary challenges, contexts, and opportunities with communication across media platforms. Examines historical contexts and texts related to rhetoric and communication, and how these ideas have persisted and shifted in the digital age. Texts include theoretical approaches to communication and rhetoric (past and present) and examples of communication across a range of media (for example: podcasts, multimodal texts, web-based presentations, and social media content). Students learn to conduct rhetorical analysis across media, and create written, visual, and/or verbal rhetorical content across media platforms. Prerequisite: Writing 101.

WRITING280S - Ethics of Ethnography: In the Field and on the Page

**Subject**  
WRITING

**Catalog Number**  
280S

**Title**  
Ethics of Ethnography: In the Field and on the Page

**Description**
Inquiry into the practical and ethical considerations of ethnography as both a research method and a writing genre. Students learn to identify rhetorical strategies of ethnographic texts and interrogate the moral, political, and ethical issues in representing the ‘other.’ Frequent workshops guide students through individual research on the intersection of ‘race’ and some aspect of Durham’s social or historical context. Students develop observation and interviewing skills, conduct fieldwork in Durham, and work through several drafts of their own ethnographies, while learning to give and receive feedback. Prerequisite: Writing 101. Open only to DukeImmerse students. Instructor consent required.

WRITING293 - Research Independent Study

**Subject**  
WRITING

**Catalog Number**  
293

**Title**  
Research Independent Study

**Description**
Individual investigation, reading, and writing under the supervision of a faculty member leading to a substantial written document. Prerequisite: Writing 101. Consent of instructor and Director of the Thompson Writing Program required.

WRITING305S - Writing about Performance

**Subject**  
WRITING

**Catalog Number**  
305S

**Title**  
Writing about Performance

**Description**
Inquiry into the concept of ‘performance’ broadly construed—not only as it refers to ‘staged’ concerts or plays, but also as social ritual and as self-presentation, appropriately situated in cultural context. Writing experiments aimed at capturing the ephemeral nature of live performance, with attention to how meaning is enacted through movement, sound, lighting, rhythm, voice, emotion, and audience interaction. Regular writer’s workshops and field trips to theater, dance, and musical performances. Students compose critical reviews and a research project on a performance genre, an artist’s approach, or other related topic of their choosing. Prerequisite: Writing 101.
WRITING315S - Argument Across the Disciplines

Subject: WRITING  
Catalog Number: 315S  
Title: Argument Across the Disciplines  

Description: This course provides practice in analyzing and using the conventions of research writing in students’ chosen disciplines and hones students’ awareness of how these conventions make the advancement of disciplinary knowledge possible. This course will be most useful for students who are considering multiple majors, research-intensive projects or theses, and students who are considering graduate school or any job that will require them to work closely with findings produced by researchers. Prerequisite: Writing 101.

WRITING384 - Public Speaking: Policy Advocacy and Communication

Subject: WRITING  
Catalog Number: 384  
Title: Public Speaking: Policy Advocacy and Communication  

Description: Theoretical and practical understanding of the elements of effective advocacy, especially as applied to policy issues. Focus on oral communication (both formal public speaking and interactive exchange), written exposition, and presentation skills. Emphasis on the human dimensions of the communication process—voice and body behavior, audience evaluation, focus, control and self-awareness. Identifies techniques for minimizing communication distraction, developing confidence in presentation situations, and analyzing informational requirements. Does not apply toward public policy studies major. This course is open to students in their junior or senior year.

WRITING390S - Advanced Special Topics: Writing in the Disciplines

Subject: WRITING  
Catalog Number: 390S  
Title: Advanced Special Topics: Writing in the Disciplines  

Description: Advanced investigation in Writing Studies and Writing in the Disciplines. Topics vary semester to semester. Prerequisite: Writing 101.

WRITING65 - Writing Transfer across Contexts

Subject: WRITING  
Catalog Number: 65  
Title: Writing Transfer across Contexts  

Description: This course focuses on writing transfer. Students will engage with transfer by transferring a written, verbal, and/or audio project of their choosing from one context and format to a different context and format. Course theoretical concepts include writing transfer; rhetorical context; text format and design; genre; and disciplinary and writing-occasion conventions and expectations. These include global-level issues (design, audience, evidence, epistemology, organization, structure, argument, etc.) and sentence-level issues (paragraphs, clarity, powerful prose, etc.). Students will discuss drafts-in-progress, create interim project phases, and engage in intensive peer feedback.
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<tbody>
<tr>
<td>WRITING</td>
<td>70</td>
<td>Introduction to Critical Reading and Writing</td>
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</tbody>
</table>

**Description**

Designed for students who seek more time and practice in reading and academic writing skills in order to meet the rigorous intellectual demands of Writing 101. Topics include reading comprehension; recognizing key ideas; creating theses; conducting research; structuring arguments; eliminating errors in grammar, mechanics, and diction; citing sources; and avoiding plagiarism. Recitation component includes small-group workshops and one-on-one tutoring. Writing 70 does not satisfy either the Writing 101 or the WID requirements. Permission of Director of First-Year Writing required.

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<tbody>
<tr>
<td>WRITING</td>
<td>89S</td>
<td>First-Year Seminar: Special Topics</td>
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</tbody>
</table>

**Description**

First-Year Seminar in a topic involving an area of writing studies, such as health narratives, writing performance, science writing, etc. Topics vary each semester offered.