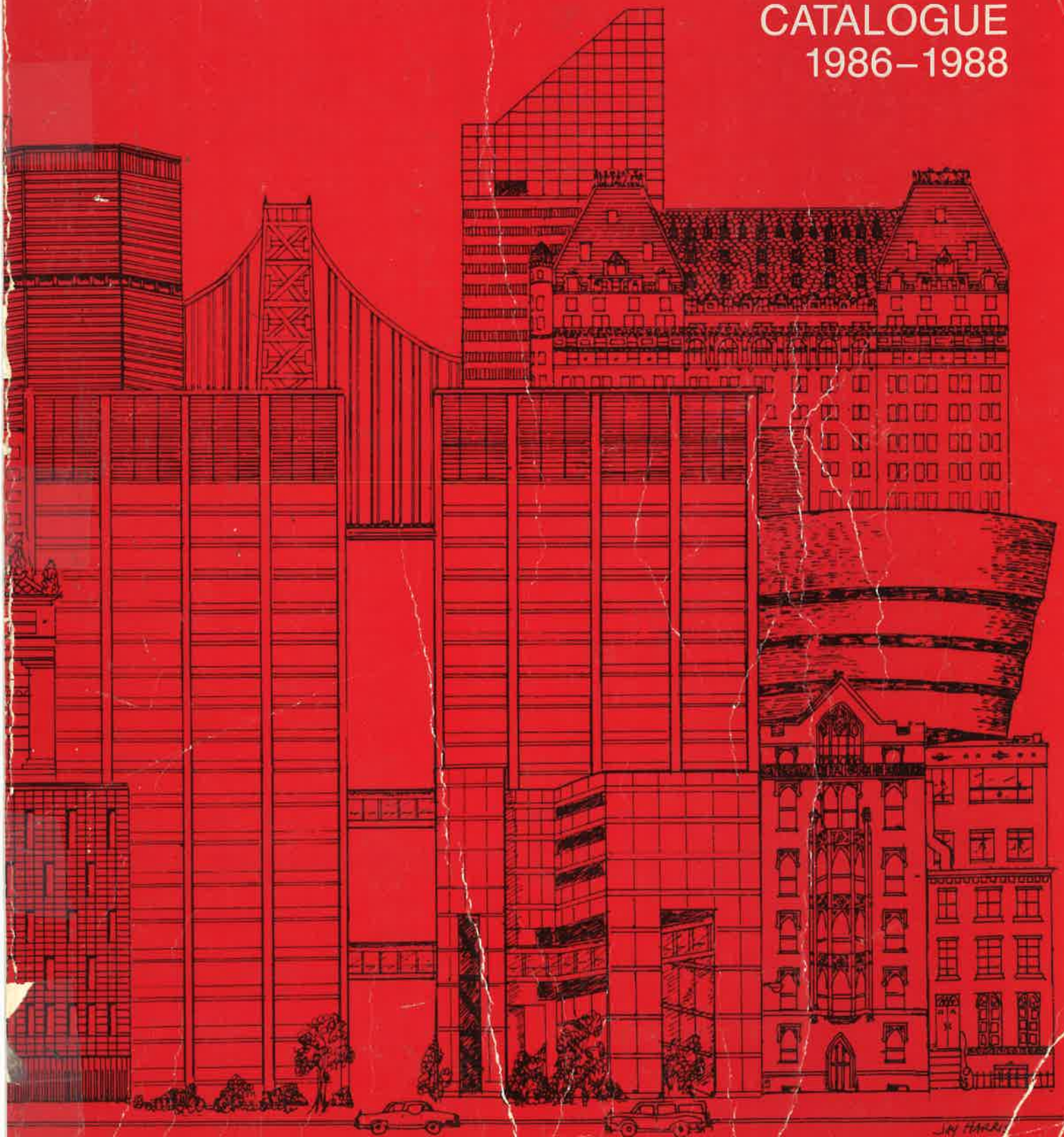
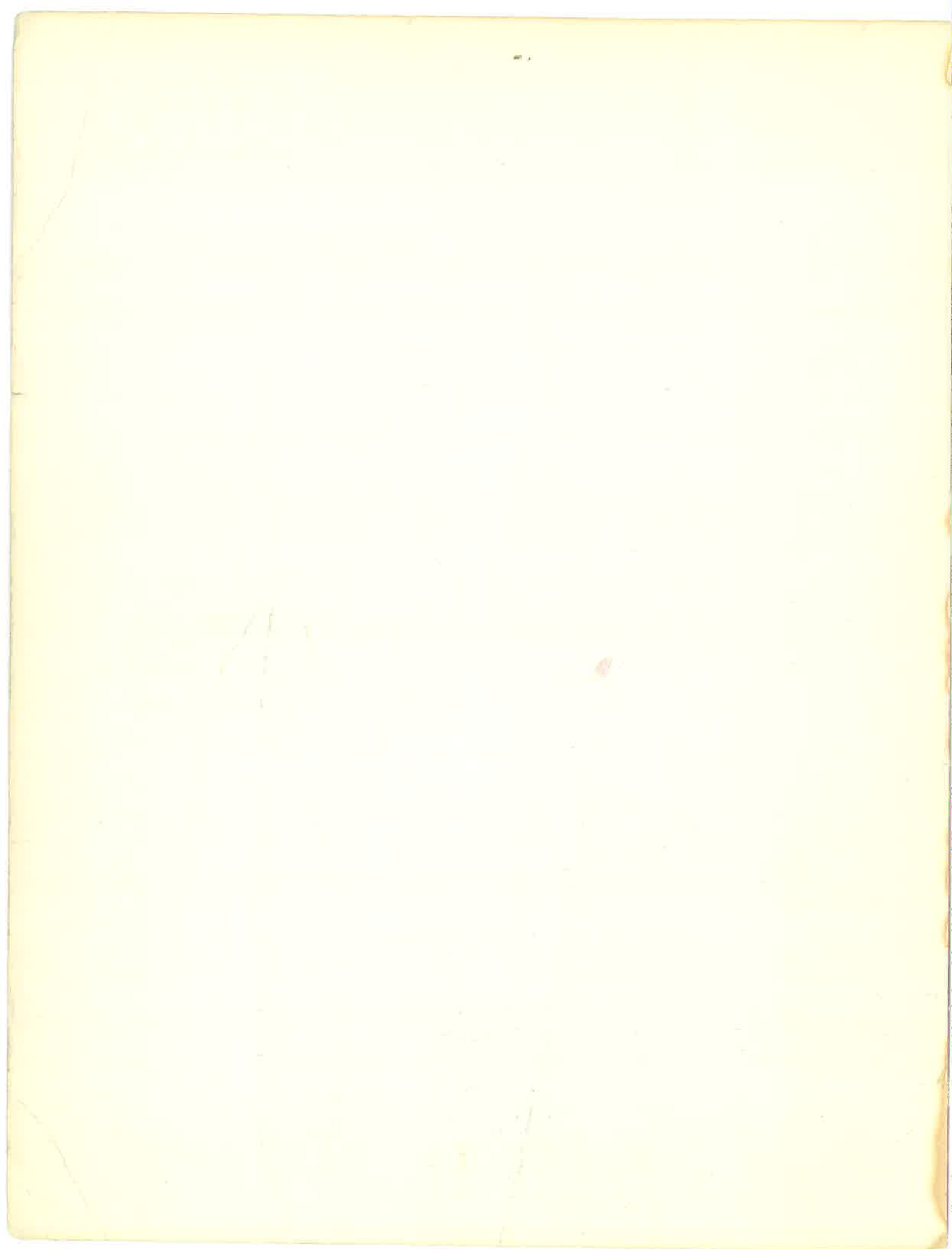


HUNTER COLLEGE

of The City University of New York

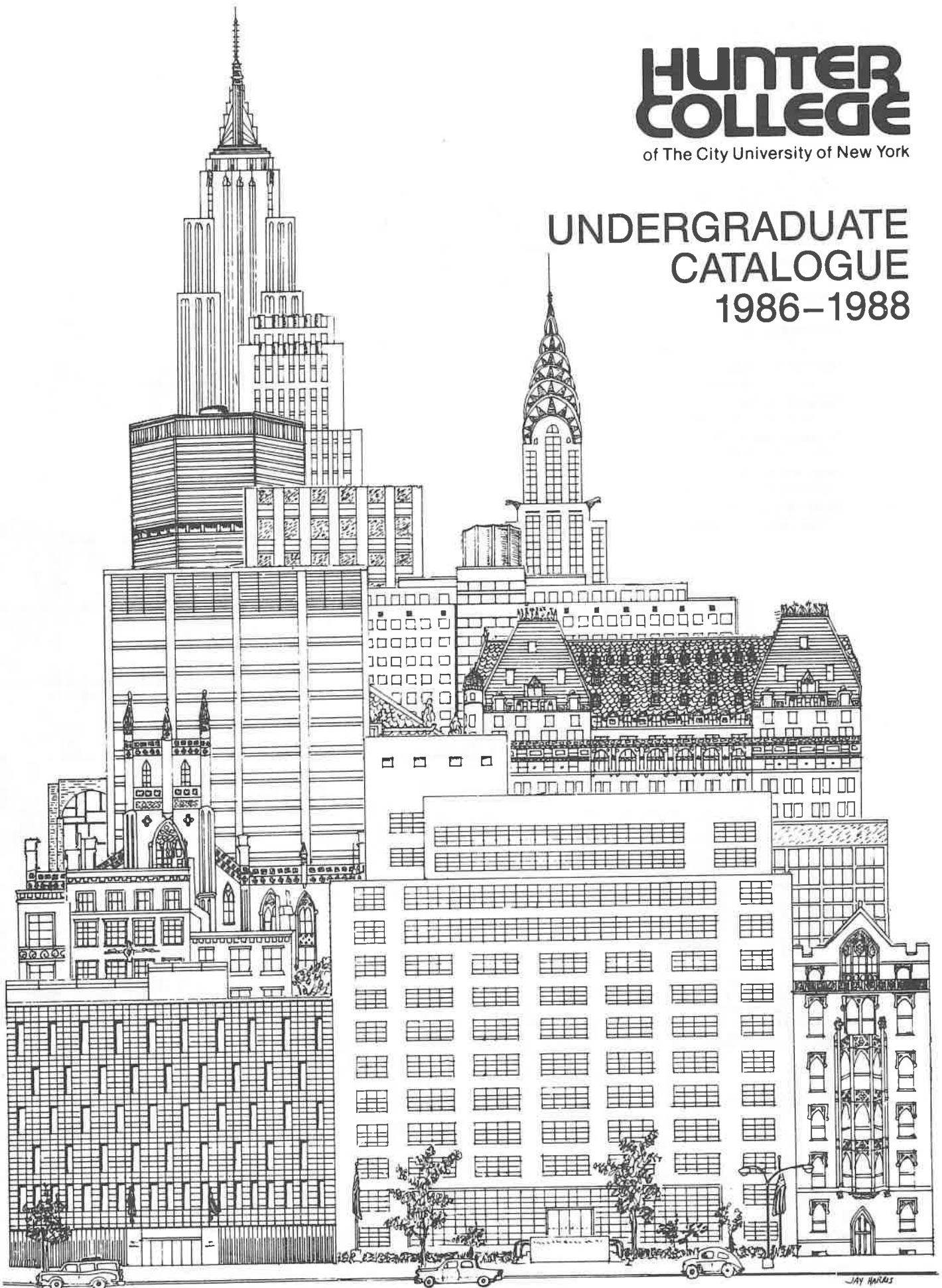
UNDERGRADUATE CATALOGUE 1986-1988





**HUNTER
COLLEGE**
of The City University of New York

**UNDERGRADUATE
CATALOGUE
1986-1988**



THE CITY UNIVERSITY OF NEW YORK

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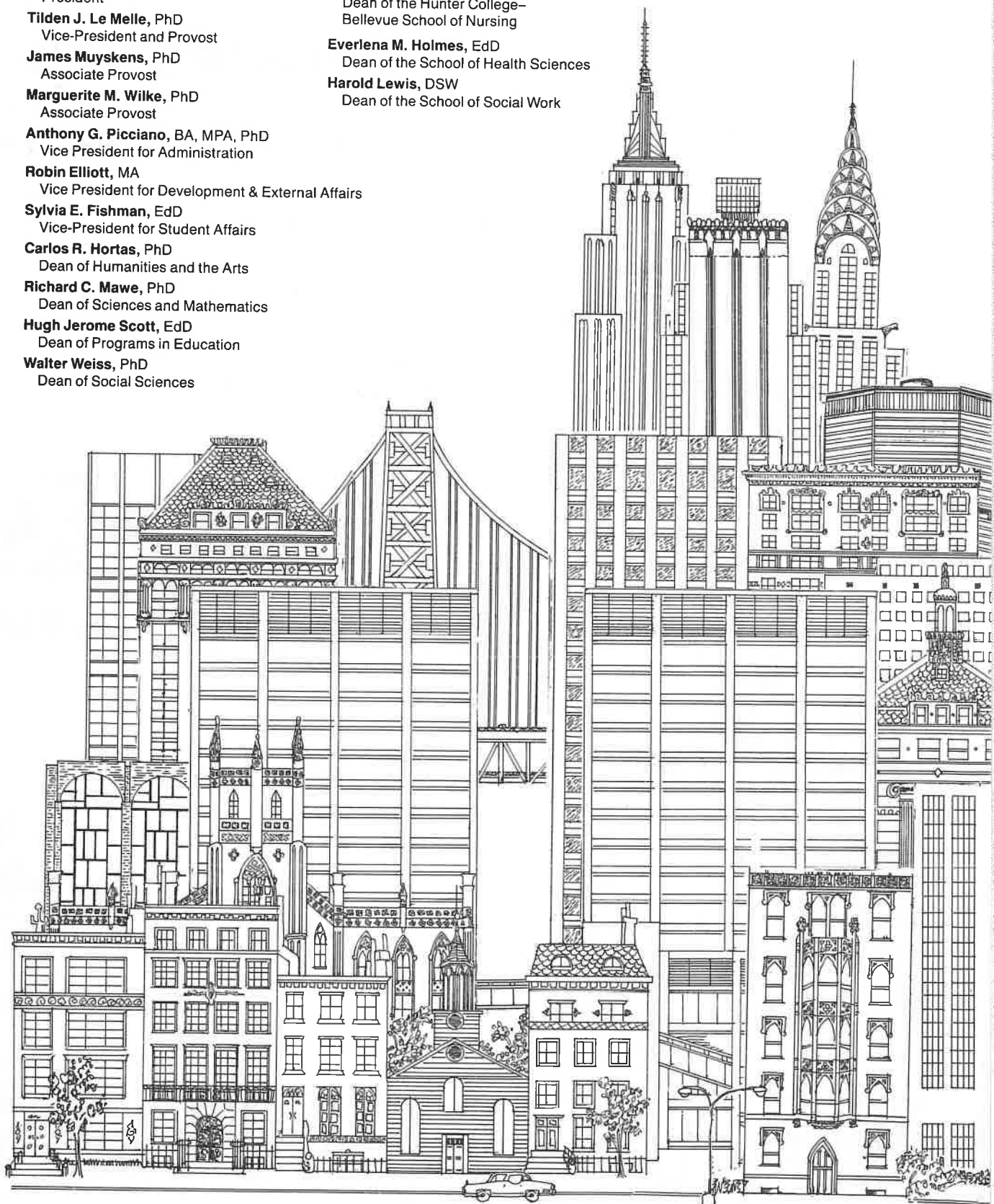
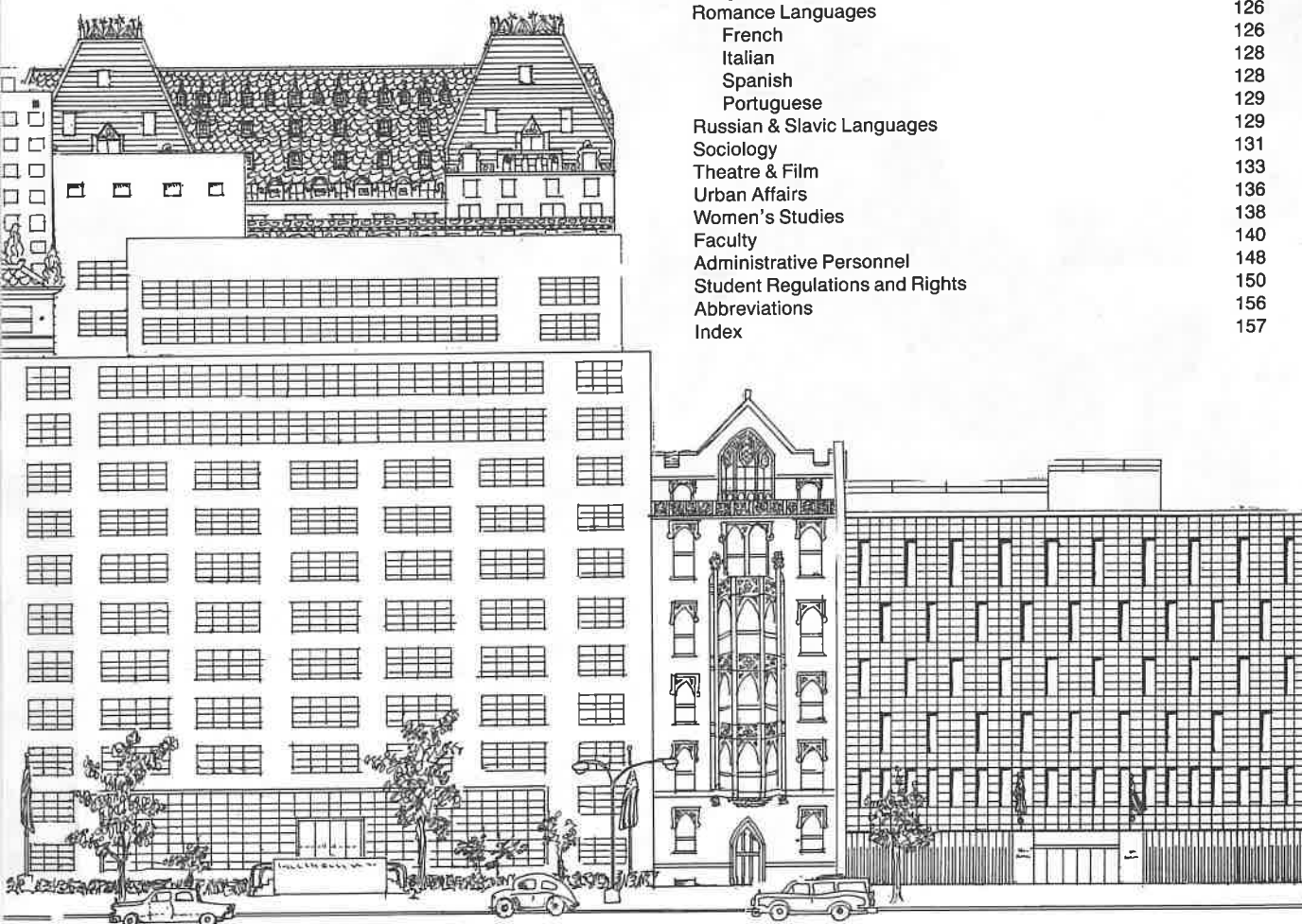
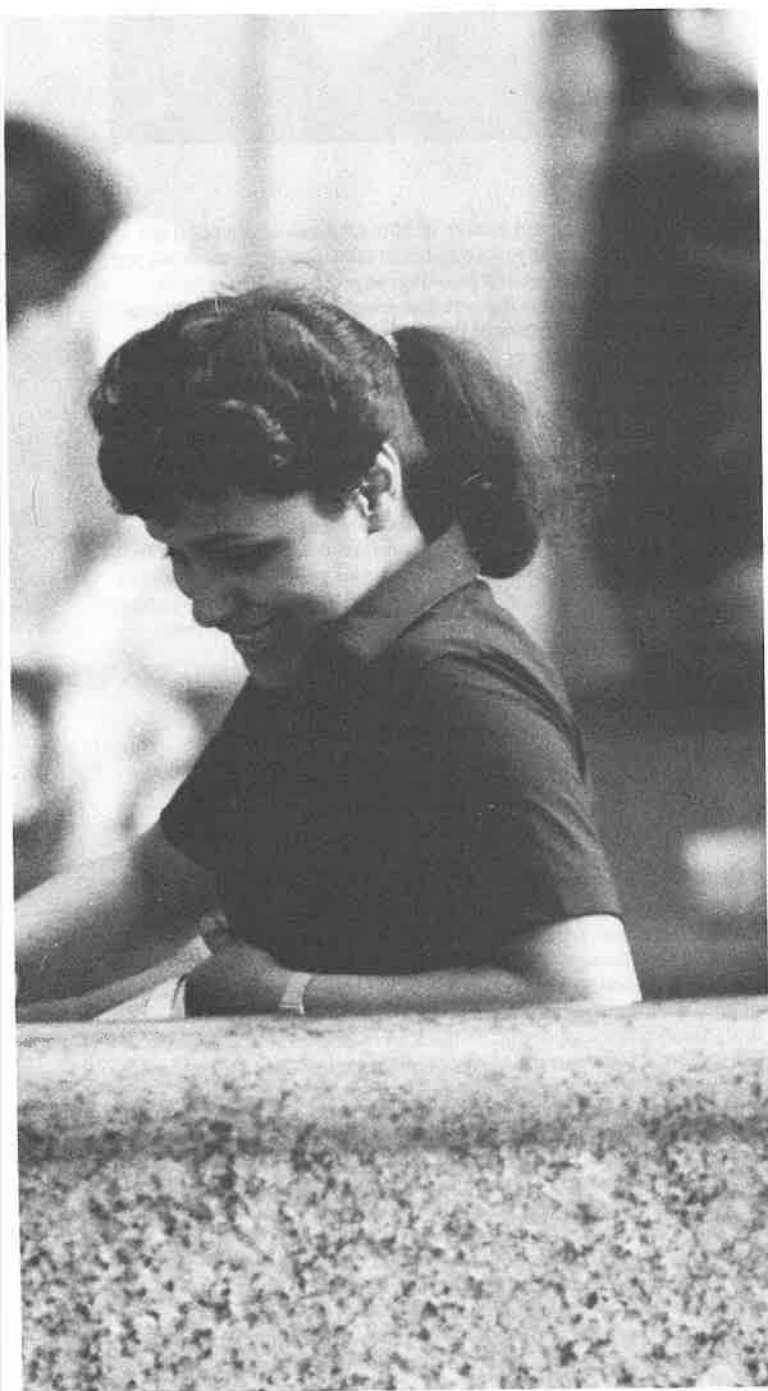


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Hunter College

Hunter College, the second oldest college in the City University of New York, is a coeducational, fully accredited college, with a large and diversified faculty in the liberal arts and sciences and in several professional schools. In most of its programs the College offers both undergraduate and graduate degrees.

Originally called Normal College, the school was founded in 1870 by Thomas Hunter to educate young women who wished to be teachers. Its growth to its present size and complexity was gradual. The institution took its present name in 1914. Evening classes were begun in 1917. Graduate studies were introduced in 1921 for both men and women, and in 1964 the entire College became coeducational.

The City University of New York, bringing together all the city's senior and community colleges, was formed in 1961. CUNY is governed by the Board of Trustees, which sets the general policies and rules the operation of the separate colleges. Within this common framework, each college selects its own faculty and constructs its own programs in accordance with its particular educational aims and its understanding of the way these can best be reached with its own students.

Hunter College and the Aims of Education

A liberal education should help men and women to bring a rich and informed sense of the possibilities of humanity to their careers, to their public responsibilities, and to their personal lives. This aim is basic to Hunter's educational philosophy.

Hunter offers training in both the sciences and the humanities, and schooling in a number of professional fields. As they work toward their career goals, students are expected to reach a broader understanding of the place of their chosen fields of study and work in the wider realms of knowledge and of society. The Hunter College Senate has articulated this goal in a recent policy statement:

"While preparation for specific careers is actively encouraged in many programs," the Senate statement declares, "the fundamental aim of the college experience as a whole is to develop a student's rational, critical, and creative powers. Such development involves the abilities to conceptualize and analyze, to relate the concrete and particular to the abstract and general, and to think and write logically and coherently. It also includes a broadening and deepening of outlook: an awareness of one's own and other cultures as well as the enduring questions—and answers—concerning being, purpose, and value that have already confronted humanity. And it encourages the heightening of aesthetic sensibility and intellectual imagination. Finally, the educational experience at Hunter is intended to inspire a zest for continued learning as well as to bring the recognition that learning is pleasurable and knowledge is useful."



The Academic Program

The undergraduate programs lead to the degrees of Bachelor of Arts, Bachelor of Science, Bachelor of Fine Arts, and Bachelor of Music. Each program of study provides students with skills to attain competence in a specialized field as well as a foundation of general knowledge. The fields of concentration may be chosen from the general areas of the fine arts, the humanities, the language arts, the sciences, the social sciences, and the applied arts and sciences. The Hunter-Bellevue School of Nursing and the School of Health Sciences, among the nation's largest schools educating health-related professionals, offer both undergraduate and graduate programs.

The Evening Session serves students pursuing an undergraduate degree primarily but not exclusively after 5 PM. Full-time or part-time; such students seek class hours that do not conflict with employment and family responsibilities. An assistant dean ensures that student services and academic programs meet the needs of these students. Non-degree students in the evening session are those who, because they already have a degree or for other reasons, are taking courses but do not intend to pursue a degree program.

Graduate students may matriculate for any one of over 40 master's degree programs in the arts and sciences, education, the School of Health Sciences, the School of Nursing, and the School of Social Work. In addition, the graduate program in teacher education includes courses leading to post-Master's certificates in several different areas. Details of the graduate programs are available in the offices of the divisional and school deans of each area, as well as in the Wexler Library.

The International English Language Institute offers courses in English as a second language to foreign students from all over the world. Classes are held in the morning, afternoon, evening, and on Saturdays. Full-time and part-time programs are available on beginner through advanced levels. Students who successfully complete the Institute's most advanced level are not required to take the TOEFL for admission to undergraduate degree programs at Hunter; 212-772-4290.

The Hunter College Elementary School (nursery, kindergarten, and grades 1-6) and **The Hunter College High School** (grades 7-12), both coeducational, serve as demonstration schools and research facilities for the teacher education program.



ENROLLMENT

Hunter's total enrollment is over 18,500. Of these about 8000 are full-time undergraduates. An additional 7000 part-time students are divided between degree and non-degree programs. Over 3500 graduate students are in the arts and sciences and teacher education programs, the Schools of Social Work, Health Sciences, and Nursing.

ACCREDITATION

Hunter is fully accredited by The Board of Regents of the University of the State of New York, The Middle States Association of Colleges and Secondary Schools, the National Council of Accreditation of Teacher Education, and the Council on Social Work Education. In addition, Hunter has been included in the lists of approved colleges by the American Chemical Society, the American Dietetics Association, the National League for Nursing, and the New York State Board of Certified Public Accountant Examiners.

ALUMNI ASSOCIATION

The Alumni Association of Hunter College—composed of 65,000 women and men graduates of the College—has been in continuous existence since 1872. Membership is automatic upon graduation from any of the degree programs offered by the College.

The association serves as the link between the College and its graduates through activities such as the Fall Homecoming, the Spring Luncheon, career conferences for students, and the Annual Meeting, and through *The Hunter Magazine* and *At Hunter*. It selects and honors members of the Hunter Hall of Fame from among distinguished graduates nominated by alumni. On its own and through its membership on the Committee for Public Higher Education, it stands in the forefront of the battle to obtain adequate funding for the College.

The Scholarship and Welfare Fund of the Alumni Association raises and administers The Hunter Fund as well as funds for 4 different categories of financial awards to needy students of high academic standing. These awards are detailed on p. 15 under "College Programs." In 1983, over \$450,000 was awarded from this fund, which was established and incorporated by a small group of alumnae in 1949. In addition, through The Hunter Fund, the Scholarship and Welfare Fund not only provides scholarship aid but also enriches instructional resources not provided for in the public budget.



Randy Fader-Smith

Admissions

All inquiries concerning undergraduate admissions should be addressed to the Admissions Office, Hunter College, 695 Park Ave., New York City, NY 10021; (212) 772-4490.

GENERAL STATEMENT

Students may apply for admission to the College for either (a) degree status (matriculation) or (b) non-degree status (non-matriculation). The application fee is \$25.00 (non refundable).

DEGREE STATUS (MATRICULATION)

A matriculated student is one who has met all requirements for admission and who has been formally admitted to a degree program. A matriculated student may register as either part-time (less than 12 credits) or full-time (12 or more credits) and may earn a bachelor's degree upon completion of all degree requirements.

NON-DEGREE STATUS (NON-MATRICULATION)

Students who do not meet the criteria for degree status (matriculation), as well as those who are not interested in earning a degree but wishing to enroll in courses relating to special interests, career advancement, preparation for graduate school, etc. may be admitted as non-degree students. (See information on non-degree to degree.)

ADMISSION WITH DEGREE STATUS

1. Applications for degree status fall into one of five categories—Freshmen, Transfer or Second Degrees, Foreign, Readmits, and Non-degree to Degree. Hunter College participates with other member colleges of the City University of New York in a centralized admissions process for the admission of Freshmen, Transfer, Second Degree, and Foreign students.
2. Applications in these categories are processed by the University Application Processing Center; phone (212) 947-4800. Freshman: UAPC, PO Box 136, Bay Station, Brooklyn, NY 11235. Transfer, Second Degree, Foreign: UAPC, PO Box C639, Bay Station, Brooklyn, NY 11235.
3. Applicants seeking readmission to Hunter are processed directly by the Hunter College Registrar's Office, North Building room 217; phone (212) 772-4488, 89.
4. Students wishing to have their status changed from non-degree to degree (with the exception of students who have completed sec-

ondary and/or post-secondary work in another country) are processed directly by the Hunter College Admissions Office.

5. Since each category of students is required to file a different type of application, students requesting admission information should be certain to indicate which type of application they are seeking.

I. Freshmen Admission

Students who wish to apply to Hunter College within the Divisions of Science and Mathematics, Education, Humanities, or Social Sciences must have graduated from high school with at least an 80% average or place in the top one-third of their class or have a total (verbal and math) score of at least 900 on the Scholastic Aptitude Test. Applicants who do not hold a high school diploma must have achieved a General Equivalency Diploma score of 270.

Those interested in programs within the School of Nursing or the School of Health Sciences should refer to the section "Special Admissions Programs for Transfer or Second Degree Students" described later. These programs do not admit students as freshmen. Applicants for freshman admission should apply for the liberal arts program.

Students whose City University Freshman applications are completed on or before October 15 for Spring admission or January 15 for Fall admission will be processed first and will be considered for all programs offered. Applications completed after these dates will be processed on a space-availability basis depending upon the program selected.

Students who have enrolled in a college or university *after* graduating from high school must file a transfer application.

Special Admissions Programs for Freshmen

Early Admissions Students with superior high school records may apply for admission to the College upon completion of the third year of high school. An interview with the Admissions Committee is required, as well as a high school average of at least 90%, minimum SAT scores of 600 verbal and 600 math, and three high school recommendations. Students are admitted only in the fall semester. Applications must be filed directly with Hunter's Admissions Office before May 15.

SEEK Program (Search for Education, Elevation, and Knowledge), a program of the City University of New York, helps economically and educationally disadvantaged students who otherwise might not attend college by providing them with intensive academic services. A stipend for educational expenses is awarded to those students who exhibit an extreme need as determined by the CUNY needs analysis. (See p. 44 for additional information.)

II. Transfer and Second Degree Admission

Students whose City University Transfer applications are completed on or before November 1 for Spring admission or March 15 for Fall admission will be processed first and will be considered for all programs offered. Applications completed after these dates will be processed on a space-availability basis depending upon the program selected.

Students applying for admission into the Divisions of Science and Mathematics, Education, Humanities, or Social Sciences, who have completed less than 14 college credits elsewhere, must have a minimum high school average of 80% or a General Equivalency Diploma score of at least 270 and a minimum grade point average (GPA) of 2.0. Those with 14–29 credits must have a minimum GPA of 2.5; students with 30 or more credits need at least a 2.0 GPA. Students who have completed less than 24 credits must submit a high school diploma or GED.

Those interested in programs in the School of Nursing or the School of Health Sciences should refer to the section "Special Admissions Programs for Transfer or Second Degree Students" described below.

College credit for coursework taken at other institutions will be evaluated by the Admissions Office after the applicant is admitted as a matriculated student. All evaluations are mailed directly to the student.

A maximum of 95 credits may be transferred from four-year institutions; from two-year colleges the maximum is 75.

Liberal arts courses for which a student earned a grade of C or better at an accredited institution are transferable. (Courses with a D grade taken at colleges within the City University of New York are also transferable.) Grades in courses taken at other institutions are utilized in making admissions decisions. They are *not* entered on the student's Hunter College record and are *not* computed in the student's cumulative grade point average at Hunter. Courses taken at institutions not accredited by one of the Regional Accrediting Associations are not usually transferable. The student should consult the department concerned for further information.

In order to be a candidate for a degree at Hunter, a minimum of 30 credits must be taken as a degree student at Hunter, including at least half of the major and half of the minor or, if an interdepartmental field is selected, half of the total credits required.

The student is responsible for submitting updated transcripts within one year of the date of admission to Hunter College. These official transcripts should be sent to the Hunter College Admissions Office, Evaluation Unit. Students must list all institutions attended on the admissions application and submit official transcripts. Failure to do so will result in denial of transfer credit for schools not listed and referral to the Admissions Review Committee for reconsideration of eligibility for admission status.

Special Admissions Programs for Transfer or Second Degree Students

Nursing and Health Sciences All programs within the Schools of Health Sciences and Nursing are upper division (junior and senior years) only. All students who wish to enter these programs (including Hunter College students) must file a City University Transfer application. Students are admitted only after they have completed the appropriate prerequisites of liberal arts and science work. The Generic Pathway Nursing program and the Physical Therapy program admit students for the Fall semester only. Curricula for each program, as well as admissions criteria, are explained on page 113 for the School of Nursing and on page 90 for the School of Health Sciences.

III. Foreign Students

The applications and credentials of students who have studied in other countries are evaluated in accordance with general admission requirements by the Office of Admission Services of CUNY. An application, official certificates, and detailed transcripts must be submitted by January 15 for Fall admission and by October 15 for Spring admission. Credentials are reviewed for transfer credit at Hunter College by the Foreign Student Advisor in the Office of Student Services after the applicant has been admitted and registered for the first semester at Hunter. (Applicants are advised to obtain catalogues or detailed course descriptions of subjects studied at the post-secondary level in order to facilitate the transfer of credit.)

If the applicant plans to enter or remain in the US on a student visa (F-1), it will be necessary to complete a Certification of Finances form and provide documented proof of financial support confirming that he or she has the funds necessary to cover all College tuition

and personal expenses. This form and documentation are required in order to obtain the I-20 AB Certificate of Eligibility. *Note:* Overseas applicants who are interested in attending Hunter College are advised *not* to come to the US on a B-2 Visitor's Visa. Unless pre-arranged through the American consul (and unless the visa is marked "prospective student," the B-2 Visitor's Visa will not be changed to the F-1 student visa once the applicant enters the US. The I-20 form (required by the US Immigration Office) is issued only to students who have been accepted as full-time matriculants.

Applicants are expected to have a firm command of the English language before they apply. No provisional admission is offered whereby a student may come to the university and spend a semester or a year learning English.

Applicants whose native language is not English and who hold a temporary visa are required to take the Test of English as a Foreign Language (TOEFL) and to achieve a score of 500 on the examination. The TOEFL is administered several times during the year. Information about TOEFL may be obtained by writing to: Test of English as a Foreign Language, Educational Testing Service, Princeton, NJ 08540, USA.

Applicants are responsible for the payment of all tuition fees at the time of registration. Because no financial assistance is available to foreign students, they must be in a position to finance the cost of their other education and living expenses (estimate: \$10,000 to \$12,000 per year).

Hunter College does not make housing arrangements for students; it is essential that students be prepared to make their own housing arrangements upon arrival.

IV. Readmission—Degree and Non-degree

Students who did not complete a degree program and have not been in attendance for one or more semesters must apply for readmission to the College unless the student withdrew officially and/or received a refund for the prior semester.

Applications are available and may be filed in the Office of the Registrar, North Building room 217. The readmission fee is \$10.00.

Students who are academically eligible and who have no outstanding financial obligations to the College are generally approved for readmission, subject to space limitations in departments. The Office of Student Services or the Department of Academic Skills for SEEK students must review all records of students whose GPA is below 2.0. Applications for readmission must be filed at least 2 months prior to the beginning of the semester in which the student plans to re-enter.

Upper-division re-entering students must declare their majors with departments even if they had declared a major prior to their leave.

V. Non-degree to Degree

Students who are enrolled at Hunter as non-degree candidates or who, when last in attendance, were so enrolled and who now wish to apply for matriculated status must file the "Non-Degree to Matriculant" application with the Admissions Office. Criteria for being awarded matriculated (degree) status are similar to those established for transfer admission. Grades earned as a non-degree student at Hunter will be calculated, along with grades earned at other accredited institutions, to compute a cumulative grade point average for admissions purposes only. Grades earned at other institutions are *not* entered on the Hunter record and *not* computed in the Hunter cumulative grade point average. Procedures for the evaluation of coursework are similar to those for transfer students. Applications must be filed at least two months prior to the beginning of the semester in which the student plans to change his/her classification. All credit and grades earned at Hunter College by a non-

degree student will be credited toward the degree and calculated in the cumulative grade point average when the student matriculates. Former non-degree students not in current attendance at the time of application for degree status pay a \$10.00 readmission fee.

ADMISSION FOR NON-DEGREE AND PERMIT STATUS

I. Non-Degree Admission

All students wishing to enroll at Hunter as non-degree students must file applications directly with the Hunter Admissions Office. Non-degree students are free to choose courses without adhering to the strict academic structure of a degree program. They may register for any course for which space is available at the time of registration, provided they have met the prerequisites, if any, and in the case of certain courses, taken and passed applicable placement tests.

Credits earned as a non-degree student are generally transferable into a degree program at Hunter or other accredited colleges. Applications for all categories of non-degree students must be filed at least one month prior to the start of the semester the student wishes to enter Hunter.

Students who do not meet the criteria for degree status (matriculation), as well as those who are not interested in earning a degree but who wish to take courses related to their vocation or special interest or who wish to take coursework at Hunter College to be used toward a degree at another college, may be admitted as non-degree students. A non-degree admission fee of \$25.00 will be charged at the student's first registration. Verification of at least a high school diploma must be submitted, along with the non-degree application. (See the back of the non-degree application for further explanation.)

II. Permit Students from CUNY Colleges

Students matriculated at another unit of CUNY must complete the CUNY Permit Application with the Registrar of their home college. They must then file the approved permit with the Hunter College Admissions Office.

III. High School Seniors

High school students may register as non-degree students while continuing their high school studies with the written approval of the high school principal and the Hunter College Admissions Office.

CREDIT FOR COLLEGE-LEVEL WORK

College Credit Earned While in High School

Students who have completed college-level courses at an accredited institution while still in high school must submit an official transcript from the college where the courses were taken. Students should have this transcript sent to the Hunter College Admissions Office, Evaluations Unit, North Building room 203.

Other Ways to Earn Credit toward a Degree

For each of the following, the student must take the initiative in advance by obtaining written approval from the appropriate department at Hunter to ascertain that credit will be granted. Students unable to attend classes at Hunter might take advantage of some of these alternatives. Two words of caution: A maximum of 24 credits may be earned by examination. To earn a Hunter College degree, the distribution requirements must be met, in addition to at least 30 credits of Hunter coursework, including half the major and half the minor.

Transfer of credit Students taking courses at other accredited institutions while still in attendance at Hunter may transfer course credits to Hunter provided they have obtained a permit from the Office of the Registrar.

Independent Learning by Achievement Contract This interdisciplinary program offers students who have earned at least 30 college credits with a minimum GPA of 3.2 an opportunity to design an individualized part of their curriculum. Students must select a faculty committee and design a written contract that outlines the proposed work, a plan for progress reports, a method for evaluating the work, and the number of credits to be earned. The project may entail an oral presentation, a written paper, artistic performance, laboratory experiment, public lecture, or designing and carrying out a research project. Students must plan and gain approval the semester prior to registration. Interested students may obtain further information from the Office of Student Services.

College Entrance Examination Board Advanced Placement Tests Students who have had a college-level course in secondary school and who pass the Advanced Placement Tests of the College Entrance Examination Board with grades of 5 or 4 (high honors or honors) are exempt from taking a corresponding course or equivalent requirement at Hunter. Those who are similarly prepared but whose score is 3 (credit) may also be exempt from a corresponding course at Hunter, provided the appropriate Hunter department so recommends.

College-level Examination Program (CLEP) Hunter College participates in the College Level Examination Program (CLEP). Up to 24 credits may be earned through outside examination. Names of CLEP subject examinations honored at Hunter and minimum scores needed for credit are available in the Office of Student Services.

Regents College Examinations (RCE) Students who have taken the Regents College Examinations (RCE) must set up an interview with an advisor from the department concerned if they wish credit. Awarding of credit is solely up to the individual department.

Departmental Examinations Some departments give examinations in a course for which student and department advisor believe the student has adequate preparation. Passing these examinations may not always grant credit, but it does permit the student to go directly into more advanced study or excuse a student from a required course.

Independent-Study Courses Most Hunter departments have independent-study courses for their majors and especially qualified students. Such courses always require prior departmental approval. The student does not always have to be on campus while completing the work.

US Armed Forces Institute Courses United States Armed Forces Institute courses may be credited, up to a maximum of 18 credits, upon satisfactory completion including a final examination. If the course is approved by the American Council on Education, credit for a Service course may be granted toward a degree when recommended by the chair of the appropriate department at Hunter.

Graduation-in-Absentia Students within 15 credits of graduation who have completed the distribution requirement and the major and minor requirements and have demonstrated minimum proficiency may apply for graduation-in-absentia if they must leave the City before completing their studies. They may attend an accredited college in the United States or abroad. The Graduate Audit Division of the Registrar's Office has further information. Students who must leave before these criteria are met should apply for transfer to another college.

Tuition and Fees as of Fall 1986*

UNDERGRADUATE

State Residents — all full-time students registering for at least 12 equated credits — **\$625.00 per semester**

State Residents — all part-time students registering for fewer than 12 equated credits: **\$47.00 per credit per semester**

Out-of-state Residents and Foreign Students

All full-time undergraduates — **\$1,275.00 per semester**

All part-time undergraduates — **\$96.00 per credit**

FEES

Student Activity/Consolidated Fees are collected from all students in addition to tuition. These fees are \$45.60 per semester for day-session students and \$14.85 per semester for evening-session students. Students taking certain laboratory courses in biology and chemistry are required to pay an additional materials fee of \$15.00.

Admission application fee \$25.00

Readmission application fee \$10.00

Financial Aid

The Office of Financial Aid (North Building room 241) administers federal, state and city grant, loan, and work-study programs to assist students who need financial help to attend college.

Applications for most programs, as well as information regarding specific application procedures, eligibility requirements, methods of selecting recipients and allocating awards, award schedules, and rights and responsibilities of recipients may be obtained from the Financial Aid Office.

The following applications are available from the Financial Aid Office.

1. Pell Grant.
2. Tuition Assistance Program (TAP) for matriculated New York State Residents attending full-time.
3. Aid to Part-Time Students (APTS).
4. CUNY Financial Aid Form which is the application that must be completed in order to be considered for
 - a. College Work-Study
 - b. National Direct Student Loan
 - c. Supplemental Educational Opportunity Grant
 - d. Graduate Tuition Waiver
 - e. SEEK.
5. New York State Higher Education Services Corporation Student Loans (Guaranteed Student Loan). These applications can be obtained from any approved commercial or savings bank.
6. Mayor's Scholarship Program.

FEDERAL PROGRAMS

Pell Grants

Pell Grants are available to matriculated undergraduate students, US citizens or permanent residents, who enroll for a minimum of 6 credits (half-time). Grants are based on financial need and enroll-

*All fees and tuition charges listed in the College catalogue, Schedule of Classes, and in any other registration materials issued by the College are subject to change by action of the Board of Trustees without prior notice.

ment status. Students whose gross annual family income is inadequate to meet school costs (generally such income would not exceed \$20,000) may apply. In order to maintain eligibility, students must make satisfactory progress toward their degrees. Application may be obtained from the Financial Aid Office or post offices, libraries, and most government offices.

Supplemental Educational Opportunity Grant Program (SEOG)

The Supplemental Educational Opportunity Grant is awarded to students who exhibit an exceptional financial need according to the City University needs analysis. Applicants must be US citizens or permanent residents matriculated and enrolled for a minimum of 6 credits per semester. Students may be awarded grants for 4 years, ranging from \$200 to \$1,000 per year, up to a maximum of \$4,000 total for the 4 years. These grants may be no more than half the total aid awarded to the student per year. Students must be willing to accept self-help aid (e.g. work, loans) in order to be considered for SEOG. In order to maintain eligibility, students must make satisfactory progress toward their degrees.

Application for each academic year is made through the CUNY Student Aid Form (CSAF), available in the Financial Aid Office.

National Direct Student Loan (NDSL)

The National Direct Student Loan (NDSL) is a federally funded 5 percent loan available to matriculated students, enrolled for at least 6 credits per semester, who are US citizens or permanent residents. An undergraduate student who has completed less than 2 years of a program leading to a bachelor's degree may borrow up to \$3,000; a student who has completed up to 4 years of study toward the bachelor's degree may borrow up to \$6,000 (including any amount borrowed for the first 2 years of study). Awards are made based on a student's financial needs, as established by the CUNY needs analysis and availability of funds in the University. Repayment and accrual of interest on the unpaid balance do not begin until 6 months after the student graduates or leaves school. In order to maintain eligibility, students must make satisfactory progress toward their degrees.

Application for each academic year is made through the CUNY Student Aid Form (CSAF) available in the Financial Aid Office.

College Work Study Program (CWS)

The College Work Study Program is a federally funded program that provides part-time employment to eligible students. Recipients are placed in jobs within the College or at public and nonprofit agencies that have a current work-study contract with the University. To apply for this program, students must be matriculated and enrolled for at least 6 credits. A student's eligibility depends on his or her need for employment to defray college expenses. A recipient may work up to 20 hours a week while attending classes full-time. During the summer or other vacation periods when the student has no classes, he or she may work full-time, up to 35 hours a week. Hourly rates of pay vary depending on the placement. In order to maintain eligibility, students must make satisfactory progress toward their degrees.

Application is made through the CUNY Student Aid Form (CSAF) available in the Financial Aid Office.

Note: The programs described above are derived from statutes and regulations in effect as of February 1984 and are subject to change resulting from legislation that may be enacted in the future.

Veterans Administration Educational Benefits

Educational benefits are available to veterans with honorable service discharges and to children, spouses, and survivors of veterans whose deaths or permanent total disabilities were service-connected or who are listed as missing in action. For further information, contact the Veterans Office.

Financial Assistance for Native Americans

State and federal financial programs for native Americans are available. Information and applications may be obtained from:

State:

Native American Education Unit
New York State Education Department
Education Building Annex, Room 671
Albany, NY 12234

Federal:

Career Development Opportunities for Native Americans
US Department of the Interior
Bureau of Indian Affairs
Washington, DC

Traineeships in Nursing

Traineeships in nursing education are offered through grants from the US Department of Health and Human Services. Information may be obtained from the Graduate Advisor, School of Nursing, 425 East 25th Street, New York City, NY 10010.

Title IV Financial Aid Rules

The City University of New York, in conjunction with the United States Department of Education, has developed new regulations which require all students to make satisfactory academic progress to continue receiving their Title IV financial aid. The types of financial aid covered under these regulations are:

1. Pell Grants.
2. Guaranteed Student Loans (GSL).
3. College Work-Study (CWS).
4. Supplemental Educational Opportunity Grant (SEOG).
5. National Direct Student Loan (NDSL).

The following regulations began in the Spring 1984 semester. Please read them carefully.

Full-Time Equivalent Year

One full-time equivalent year is equal to a student enrolled for twelve (12) real credits for two (2) semesters.

Example 1

Fall	12 crs
Spring	12 crs
Total	24 crs

The calculation of the full-time equivalent year is based on the real credits a student takes each semester. In example 1, the student would receive two (2) full-time Pell awards and use up one (1) full-time equivalent year.

Remediation and the Full-Time Equivalent Year

Students who are required to take remedial or developmental courses are not hurt under the full-time equivalent year concept. This is because only the real credits count toward the full-time equivalent year calculations. Look at Example 2 below.

Example 2

Real Credits		Real Crs & Excess Remedial Crs.
Fall	9 crs	15 hrs
Spring	9 crs	15 hrs
Total	18 crs	30 hrs

The student will receive two (2) full-time payments based on the full-time combination of credits and hours. However, since the student is taking less than twelve (12) real credits each semester, the student does not use up a full-time equivalent year. To figure how much of a full-time equivalent year is used, each semester is treated separately below.

Example 2 (cont.)

Fall	9 crs	0.375 FTEY
Spring	9 crs	0.375 FTEY
Total	18 crs	0.750 FTEY

This student would use less than one full-time equivalent year during the first year and would not be subject to Title IV satisfactory progress standards for the first two years of college.

Part-Time Study and the Full-Time Equivalent Year

Part-time students have their use of the full-time equivalent years figured out in a way similar to remedial students. Table 1 below gives the conversion for part-time semesters into full-time equivalent years.

Table 1

Semester Conversion to Full-Time Equivalent Years

Real Credits Taken	Actual Enrollment Status	FTEY Units Used
0-5	1/4 time	0.1250
6-8	1/2 time	0.2500
9-11	3/4 time	0.3750
12+	full-time	0.5000

* Not counting remedial hours.

Example 3 below describes how the full-time equivalent year would be calculated for a half-time student.

Example 3

Fall	6 crs	0.2500 FTEY
Spring	6 crs	0.2500 FTEY
Total	12 crs	0.5000 FTEY

The student in the above example would receive two (2) half-time Pell awards and use up one-half (0.500) of a full-time equivalent year.

Part-Time Study/Remediation and the Full-Time Equivalent Year

Part-time students who require remediation are not penalized by the full-time equivalent year. Example 4 below gives a possible program for a part-time student requiring remediation.

Example 4

Real Credits		Real Crs & Excess Remedial Crs	
Fall	3 crs	6 hrs	0.1250 FTEY
Spring	3 crs	6 hrs	0.1250 FTEY
Total	6 crs	12 hrs	0.2500 FTEY

The student involved in the above example would receive two (2) half-time Pell Awards. The student, however, would only use one-quarter (0.2500) of a full-time equivalent year.

Length of Eligibility

Students are eligible for a total of seven (7) full-time equivalent years of Pell and other Title IV financial assistance. The number of awards a student receives is based on the number of semesters it takes to enroll for seven (7) full-time equivalent years of credits.

Title IV Satisfactory Progress and Conditional Provisional Eligibility Status

Satisfactory progress for Title IV financial assistance means that students must pass a certain number of real credits for each full-time equivalent year of Title IV aid received (see Table II below).

Table II		
Satisfactory Progress for Title IV Financial Assistance		
Real Credits Earned for Full-Time Equivalent Year		
Eligibility Status	Satisfactory Progress	Conditional/Provisional
1	18	0
2	36	21
3	54	42
4	72	63
5	90	84
6	108	105
7	126	126

Eligibility for each academic year will be checked at the end of each spring semester. Students will be eligible/ineligible for an entire academic year. Students may keep their Title IV financial assistance by meeting either satisfactory progress or conditional/provisional progress standards. Examples 5 and 6 below indicate two cases of how the standards will be used.

Example 5

Fall	9 crs.	15 hrs.	0.3750 FTEY
Spring	12 crs.	15 hrs.	0.5000 FTEY
Fall	15 crs.	15 hrs.	0.5000 FTEY
Spring	15 crs.	15 hrs.	0.5000 FTEY
Total	51 crs.	60 hrs.	1.8750 FTEY

The student's eligibility will be checked after four (4) semesters at the College or at the end of the second spring semester. Since the student used less than 2 full-time equivalent years of Title IV financial assistance, the student only needs to have earned eighteen (18) real credits to be making satisfactory progress. Even if the student has less than eighteen (18) real credits earned, the student will be eligible for the next year of Title IV financial assistance under the conditional/provisional status.

Example 6

Fall	12 crs.	12 hrs.	0.5000 FTEY
Spring	12 crs.	12 hrs.	0.5000 FTEY
Fall	12 crs.	12 hrs.	0.5000 FTEY
Spring	12 crs.	12 hrs.	0.5000 FTEY
Fall	12 crs.	12 hrs.	0.5000 FTEY
Spring	12 crs.	12 hrs.	0.5000 FTEY
Total	72 crs.	72 hrs.	3.0000 FTEY

After six (6) semesters this student would have used up 3 full-time

equivalent years of Title IV financial assistance. In order to qualify under satisfactory progress, a student needs to have earned 54 real credits (75%). In order to qualify under conditional/provisional status, a student needs to have earned 42 real credits (58.3%).

Important Facts About Eligibility

1. Full time equivalent years are calculated on a semester by semester basis. For example: A student who takes six (6) credits in the fall semester and eighteen (18) credits in the spring semester for a total of twenty-four (24) credits does not use up a full-time equivalent year. Rather, the student uses one-quarter (0.250) of a full-time equivalent year in the fall and one-half (0.500) of a full-time equivalent year in the spring. Even though the student took twenty-four (24) real credits, the student has only used up three-quarters (0.750) of a full-time equivalent year.
2. Full-time students gain an edge by registering for more than twelve (12) credits each semester. If a student registers for more than twelve (12) credits during a semester, it still counts as only one-half (0.500) of a full-time equivalent year.
3. Students requiring remediation gain an edge by taking all their remediation during the first semester and limiting their enrollment to twelve (12) or fifteen (15) hours (see example 1).
4. Eligibility is determined at the end of each spring semester for the following fall and spring semesters. Students are eligible/ineligible for an entire academic year.
5. Students may regain eligibility by earning the credits they are missing to attain at least conditional/provisional status.
6. The Title IV regulations have nothing to do with the Tuition Assistance Program regulations.

Appeals

Students who fail to meet these conditions of good standing and satisfactory progress and thus are deemed ineligible to participate in Title IV awards programs will have the right of appeal through the usual academic appeals procedure of the College. The appeals procedure may make exceptions as circumstances warrant; documentation regarding the granting of appeals must be maintained by the appropriate College office.

NEW YORK STATE PROGRAMS

Aid to Part-Time Students

In order to be eligible for New York State's Program of Aid for Part-Time Undergraduate Study (APTS), a student must be enrolled for 6–11 credits per semester in a degree granting program and have matriculated status. In addition, the student must also already have earned at least 6 credits, not have used up his/her Tuition Assistance Program (TAP) for full-time study, and be in good academic standing. A student must also be a New York State resident, a United States citizen, a permanent resident alien or have refugee status, and apply for a Pell grant.

In determining a student's eligibility for APTS, "income" is defined as New York State net taxable income for the preceding year. If a student was not eligible to be claimed as a tax dependent, his/her net taxable income (including spouse's income, if married) can be as much as \$15,000.

If a student was claimed as a tax dependent, his/her family's net taxable income can be as much as \$22,000.

The fact that more than one member of a family is in college is also taken into consideration in determining eligibility.

Applications for the Pell Grant and Part-Time Undergraduate Tuition

Grant are available in the Financial Aid Office. The applications must be completed and submitted to the Financial Aid Office. Recipients are then selected from among eligible students and the actual amount of the award, based upon the student's need and the amount of money allocated to the College, is determined. The award cannot be more than tuition charges, nor can it be greater than the amount by which tuition exceeds the total of all other student financial aid that the New York State Commission of Education has determined duplicates a student's part-time award.

Since the number and amount of awards may be limited by the total allocation of funds received by the College, it is important that students file early. The deadline is the first day of classes for the semester.

Vietnam Veterans Tuition Awards for Undergraduate Students

Vietnam Veterans Tuition Awards provide up to \$500 per semester (full-time attendance) or \$250 (part-time attendance) to Vietnam veterans enrolled in an undergraduate degree program at a degree-granting institution in New York State.

To be eligible for a Vietnam Veterans Tuition Award a student must:

1. Have served in the armed forces of the United States in Indochina between January 1, 1963 and May 7, 1975.
2. Have been a resident of New York State on April 30, 1984, or at the time of entry into the service, and resume residency by September 1, 1987.
3. Be currently residing in New York State.
4. Have been discharged from the service under other than dishonorable conditions.
5. Be enrolled in an approved *undergraduate* program in a degree-granting institution.
6. Apply for a TAP award and Pell grant if applying as a full-time student, or for a Pell grant only if the award is for part-time study.

Awards for full-time study are available for up to 8 semesters (or the equivalent) for a four-year program, or 10 semesters if a program is specifically approved as requiring 5 years of full-time study.

Awards for part-time study are available for students taking 6 to 11 credit hours per semester (or the equivalent) for up to 16 semesters (8 years), or 20 semesters (10 years) if a program is approved as requiring 5 years of full-time study.

Full-time awards are \$500 per semester or tuition, whichever is less. If a TAP award is also received, the combined awards cannot exceed tuition. The TAP award will be reduced accordingly.

Part-time awards are \$250 per semester or tuition, whichever is less.

The total of all Vietnam Veterans Awards for full and/or part-time study received cannot exceed \$4,000 for a four-year program.

Applications for the Vietnam Veterans Tuition Award Supplement, Tuition Assistance Program (TAP), and the Pell Grant are available in the Financial Aid Office.

The New York State Tuition Assistance Program (TAP)

The New York State Tuition Assistance Program (TAP) is available to full-time (12 or more credits) matriculated students whose net taxable New York State combined family income did not exceed \$20,000 for the previous calendar year. (Adjustments are made for number of family household members attending college full-time.)

To be eligible, a student must have been a resident of New York State for at least 12 months immediately preceding the beginning of the term for which the student is applying, a US citizen or permanent resident, and a matriculated full-time (12 or more credits) student. Both graduate and undergraduate students may apply.

Assistance is given according to financial need. Awards at Hunter range from \$100 to a maximum of full tuition per semester for undergraduates and \$50 per semester to \$300 per semester for graduate students.

Applications may be obtained from the Office of Financial Aid or the New York State Higher Education Services Corporation, Tower Building, Empire State Plaza, Albany, NY 12255.

Applications should be filed before July 1 for each academic year, but are accepted up to the following March 31. Students entering in the spring term should apply immediately after acceptance. Application must be made annually. Completed applications should be mailed to: The University Application Processing Center, PO Box 136, Bay Station, Brooklyn, NY 11235.

Rules for TAP Eligibility

Students are eligible for only 8 semesters of TAP awards for undergraduate study (SEEK students are eligible for 10 semesters). Also, after using 4 semesters of TAP, including STAP and summer sessions, the maximum TAP award is reduced by \$100 for the remaining 4 semesters of eligibility. The minimum TAP award is \$150 per semester.

Note: Full-time definition for TAP: 3 real credits for first TAP payment, and 6 real credits thereafter.

Students Who Received TAP Awards Prior to Fall 1981

Students who received their first TAP award before the Fall 1981 semester must register full-time (see definition of Full-Time status above) each semester to continue receiving TAP awards. However, new state regulations require students who withdraw from all their courses during a semester to lose their awards for the following semester. Waivers are available for students who meet criteria established by the State Education Department. Students interested in waivers should contact the Dean of Students Office, room 1103, East Building; phone (212) 772-4828 to schedule an appointment.

Students Who First Received TAP Awards During or After Fall 1981: Supplemental Tuition Assistance (STAP)

The STAP Award program allows students who received their first state tuition assistance during or after Fall 1981 to receive up to 2 extra semesters of assistance. Students can receive STAP if:

1. They meet the income guidelines for STAP.
2. They are registered full-time.
3. They register for at least 6 hours in excess of credit in remedial/developmental courses.

In order to maintain continued eligibility for STAP, students are expected to remain in full-time attendance throughout the term of study. Students who fall below full-time attendance may still retain eligibility for STAP provided that they complete 50% (6 equated credits) of the minimum full-time course load of a STAP-supported semester.

Students who fail to meet this standard and thus are deemed ineligible to participate in the STAP/TAP program will have the right to request a waiver. Only one STAP waiver is allowed. (State documentation of waivers is maintained by the office above.)

Academic Qualifications for TAP

New rules require students who receive their first TAP award during or after the Fall 1981 semester to meet academic guidelines in order to keep their TAP awards. These academic guidelines are broken down into two areas: (1) program pursuit; (2) rate of progress.

Program Pursuit: This portion of the guidelines requires all students to complete a certain number of courses each semester. A grade of W (Withdrawal) or a grade of WU (Unofficial Withdrawal) is defined as a grade for a course which has not been completed.

Students receiving a first or second semester TAP award must complete at least 50% of a full-time load (6 equated credits) or the equivalent to receive a TAP award for the following semester. Students who fail to complete at least 6 equated credits or the equivalent may not receive their next TAP payment.

Students receiving a third or fourth semester TAP award must complete at least 75% of a full-time load (9 equated credits) or the equivalent to receive a TAP award for the following semester. Students who fail to complete at least 9 equated credits may not receive their next TAP payment.

From the fifth TAP payment on, students must complete a full-time load (12 equated credits) in order to receive their next TAP payment.

Rate of Progress: Students must follow both Rate of Progress and Program Pursuit rules in order to receive a TAP award for the next semester. "Rate of Progress" states that for each TAP award a student receives, he/she must have earned (passed) a certain number of credits before receiving that award. Not only must a student earn a certain number of credits, but the student must also have a certain grade point average (GPA) in order to receive the next semester's TAP award. The number of credits a student must earn (pass) and the grade point average he/she must have at the end of the next semester will be based on credits already earned and the number of TAP awards received.

No. of Awards	Credits Needed	Grade Point Average
1	0	0
2	0	0
3	6	1.00
4	18	1.20
5	31	1.40
6	45	1.65
7	60	1.70
8	75	1.75
9	90	1.80
10	105	1.85

Regents College Scholarships

Regents College Scholarships are awarded competitively based on Scholastic Aptitude Tests or American College Testing Program scores. Scholarship applicants must (1) be in attendance in high school and either be graduated from high school by the end of the school year in which the examination was taken or be accepted as a full-time matriculated student by September of that year; (2) be a legal resident of New York State for at least one year immediately preceding the first term for which application for an award is made; and (3) not previously have competed for a Regents College Scholarship.

The amount of the award is \$250 per year. Further information and application forms may be obtained from a student's high school.

Recipients must reapply each year via a TAP application by March 31.

Regents Award for Children of Deceased or Disabled Veterans

Regents awards to children of deceased or disabled veterans who were or are residents of New York State are awarded regardless of family income or tuition charge and are given in addition to other grants or awards to which the applicant may be entitled. The

amount of the award is \$450 a year. Information on eligibility and a special application may be obtained from a student's high school. Application must be filed with the New York State Higher Education Services Corporation, Tower Building, Empire State Plaza, Albany, NY 12255.

Regents Nursing Scholarship

Regents Nursing Scholarships are awarded competitively for full-time study in New York State in an undergraduate program in a college or in a hospital school approved for training registered professional nurses.

The basis of the award is the Scholastic Achievement Test or American College Testing Program score. A total of 800 awards are allocated annually by county.

The applicant must: (1) have been a legal resident of New York State for at least one year immediately preceding the effective date of the awards; (2) be in attendance in a high school at the time of the examination; (3) be either graduated from high school by the end of the school year in which the examination was taken or accepted as a full-time matriculated student by September of that year, and (4) not previously have competed for a Regents Scholarship.

The amount of the award is \$250 per year. Further information and application forms may be obtained from a student's high school.

Recipients must reapply each year via a TAP application by October 31.

Guaranteed Student Loan Program (GSL)

In this program, eligible undergraduates may borrow up to \$2,500 for each academic year up to a total of \$12,500, from any participating financial institution. Eligible graduate students may borrow up to \$5,000 for each academic year up to a total of \$25,000 aggregate undergraduate and graduate loans. The NYSHESC loan carries an 8 percent interest rate and is subject to a fixed 6-month grace period. However, interest rates will remain at 7 or 9 percent on loans made to student borrowers with currently outstanding loans, and will continue to carry the 9-month or 6-month grace period. An annual insurance premium of 0.25 percent, plus a 5 percent origination fee, on the amount of the loan is payable in full at the time the check is issued.

To be eligible, an applicant must be a US citizen, a New York State resident or permanent resident alien, and a matriculated student registered for courses totaling at least 6 credits.

Parent Loans for Undergraduate Students (PLUS)

PLUS enables either natural or adoptive parents of *dependent* undergraduate students to borrow up to \$3,000 per child for each academic year in order to help meet the costs of post-secondary education at federally approved schools. The amount borrowed in any year cannot be greater than the cost of going to school during that year, minus all other financial aid received for the period of the loan. Costs that may be covered include tuition and fees, room and board, books, travel, and an allowance for personal expenses. The total amount borrowed for any one student may not exceed \$15,000.

The annual interest rate is currently 14 percent. Repayment of the loan must begin within 60 days after the date funds are disbursed. Borrowers have 10 years to repay. There is an insurance premium of 1 percent, payable at the time of disbursement. Applications may be obtained from participating New York State lending institutions. Parents will be eligible for the same authorized deferments described in the Guaranteed Student Loan Program.

Auxiliary Loans To Assist Students (ALAS)

In this program an eligible independent undergraduate student may borrow up to \$2,500 per year up to a total of \$12,500 from any participating institution. Eligible graduate students may borrow up to \$3,000 for each academic year up to \$15,000 aggregate undergraduate and graduate loans.

The limits for independent undergraduates *include* any amounts borrowed under the GSL Program. Graduate and professional students will be able to borrow the ALAS amounts in *addition* to their GSL. The total amount borrowed in any year cannot be greater than the cost of going to school in that year, minus all other financial aid received for the period for the loan. Costs that may be covered include tuition and fees, room and board, books, travel, and an allowance for personal expenses.

The annual interest rate is currently 14 percent. Students will be billed quarterly for interest payments while they are in school. Repayment of the loan principal is deferred only while they remain in full-time attendance.

Students may make application using the regular Guaranteed Student Loan Program application forms available from participating New York State lending institutions.

SEEK Program

SEEK (Search for Education, Elevation, and Knowledge), a program of the City University of New York, assists in providing equality of higher-education opportunity for economically and educationally disadvantaged students who otherwise might not attend college (See p. 44).

A financial-aid stipend for educational expenses is awarded to those SEEK students who exhibit an extreme need as determined by the CUNY needs analysis.

Applications for the SEEK program are available from high school counselors or the University Applications Processing Center, Box 136, Bay Station, Brooklyn, NY 11235. An applicant must (1) be a resident of New York State; (2) be academically disadvantaged according to guidelines approved by the Board of Regents and the Director of the Budget; (3) meet strict economic eligibility criteria, and (4) be an applicant for admission to a CUNY 4-year college.

State regulations require that SEEK students file completed CSAF, Pell, and TAP applications.

CITY PROGRAMS

Mayor's Scholarship Program

Applications are available in the Financial Aid Office or at 500 8th Avenue, New York, New York 10018. Awards may be granted only to students who live in designated community development areas in Brooklyn, Manhattan, and the Bronx. The Mayor's Scholarship will be considered part of the student's financial aid package and may not exceed the student's budgeted need.

COLLEGE PROGRAMS

Scholarship and Welfare Fund Grant (S&W)

To be eligible, a student must have filed a CUNY Student Aid Form (CSAF) and exhibit a financial need based on this application. Applicants are recommended to the Scholarship and Welfare Fund of the Alumni Association of Hunter College, Inc., by the Financial Aid Office, and grants are given on the basis of need and academic

promise. A separate S&W application is required. It is mailed to the student by the Financial Aid Office. Grants range from \$400 to \$1,000 annually. Students must maintain a 2.8 GPA to be eligible for this grant.

Hunter College Scholarship Program

The Hunter College Scholars Program offers a variety of awards to high school seniors and transfer students who have maintained a high level of academic achievement during high school or college and have demonstrated a potential for superior scholarship. These awards are independent of any financial assistance a student may receive from other sources and are made possible through alumni donations to the Scholarship and Welfare Fund of our Alumni Association. Applicants must be US citizens or permanent residents to be eligible. Awards are made to students who are admitted in the Fall semester only.

Students must enroll for 12 or more credits per semester to maintain eligibility for these awards. The student's scholastic achievement will be reviewed each year in order to determine continued eligibility. Interested students may apply for the program through the Admissions Office or through their College advisor.

Scholars Award The Scholars Award is for \$1,500 a year granted for a maximum of 4 years. To be considered, a student must have achieved a 90 percent or better high school average and a minimum combined SAT score of 1200. This competitive award is based on interview, essay, and recommendations.

Merit Award The Merit Award is for \$600 a year granted for a maximum of 4 years. To be considered, a student must have achieved an 85 percent or better high school average and a minimum combined SAT score of 1000.

Merit Scholarship for Transfer Students

The Hunter Scholarship Program offers scholarships to qualified transfer students admitted for the Fall semester. These awards are in addition to any financial assistance a student may receive from other sources. The awards are made possible through alumni donations to the Hunter College Scholarship & Welfare Fund.

The scholarship provides \$600.00 a year and is usually granted for a maximum of two years. (A third year is possible if the student enters Hunter with fewer than 60 credits.) To be considered, a student must have achieved a cumulative grade point average of at least 3.2 and have completed at least 30, and no more than 75, credits at the time of application. To retain the award, a student must be enrolled as a full-time student (12 credits or more per semester) and maintain a 3.2 grade point average. An annual review of the student's scholastic achievement will be conducted to determine continued eligibility for the award.

Graduating Senior Scholarships

Graduating Hunter College seniors are eligible to apply to the Scholarship and Welfare Fund for special awards to assist them in meeting the cost of continuing their education on the graduate level.

The Hunter Fund

The Hunter Fund was established to assist middle-income families meet the cost of education. The fund is administered through the Scholarship and Welfare Fund. Students must file CSAF, Pell, and TAP applications and maintain a 2.8 GPA.



The Charlotte Newcombe Award

This award is made possible by a private foundation and is designed to assist the mature woman student, who is at least halfway through the completion of her degree, in pursuing higher education. Awards vary according to academic promise and financial need. Applications are available in the Office of Student Services.

Wald Scholars

Each semester several Wald Scholarships are awarded to undergraduate students who are serving in internships arranged either through the CUNY Internship Program or through the Office of the Dean of Social Sciences. These scholarships were established in memory of Nathalie Sher Wald, Class of '44, by her family.

Belle Zeller Scholarship Program

Created by the Professional Staff Congress-CUNY in 1980 to honor Belle Zeller, its first president, for her contribution to the scholarship, to higher education, and to faculty unionism. This CUNY-wide annual competition is open to all full-time registered students who have completed 16 credits with an overall GPA of 3.75 at a CUNY college. (Graduating seniors are not eligible.) Three letters of recommendation are required attesting to academic performance and service to the College and/or community. Renewable up to 3 years, scholarships of \$1000 will be awarded entirely on the basis of merit. Applications are available in the Office of Student Services in late October-early December.

Emergency Loan Policy

The emergency loan program was established to assist students with an immediate problem concerning essential needs, such as carfare and lunch, occurring during the school day. The program makes provision for emergency loans only as a substitute for financial aid checks *not available on distribution dates* because of College error. Emergency loans cannot be given unless the student has a visible method of repayment, such as stipends or expected loans, excluding NYSHESC (New York State Higher Education Services Corporation) processed through the Student Financial Aid Payroll System. All loans must be repaid within 2 months from the date of issuance. All students receiving loans must sign a Power of Attorney. Emergency loans *cannot* be given for the following purposes:

1. Transportation other than to and from school and/or work and home. Long-distance traveling expenses will not be considered for any situation.
2. Cars and related expenses, gifts, vacations.
3. Payment of accumulated bills, e.g., charge accounts, medical, utilities, rent, etc.
4. Security fees and real estate fees for apartments.
5. Payment of fees and/or tuition.
6. Graduate school application and test fees.

Counselors in the Financial Aid Office will help students faced with such expenses look for viable alternatives. Additional information is available in the Financial Aid Office or the Wexler Library Reserve.

Scholarships, Prizes, and Awards

Over the years, generous alumni and friends of the College have created endowments and other funds to support scholarships, prizes, and awards for meritorious and needy students of the College. Most of these are administered by the Scholarship and Welfare Fund of the Alumni Association of Hunter College, a not-for-profit group established for this purpose in 1949.

I. Scholarships Available to Undergraduates

The following endowed scholarships have been established in the names of individuals, classes, and chapters of the Alumni Association to provide financial assistance to undergraduates on the basis of need.

Named Scholarships

Frances and Samuel Abrams
 Queen Alia of Jordan
 Cornelia and Sol Amster
 Lorraine Joan Anagnos
 Dean Ann Anthony
 Babsky-Perry
 Anna and Abraham Barstock
 Frieda Danziger Bartow
 Dorothy Doob Baumritter
 Juliette Tombacher Benton
 Nina Melville Berdeshevsky
 Ethel and Alexander Berl
 Victoria and Samuel Bitterman
 Margaret Wirth Blaha
 Anna and Margaretha Brohmer
 Burke (Jo Burke-Dot Hill)
 Mary Candib
 Dean Edith Cappel
 Antonietta and Domenico Careccia
 Fanny Kaufman Casher
 Ida Cohen
 Philip R. V. Curoe
 Camilla N. D'Amato
 Sarah Davidoff
 Jessie Winterton Day
 Anne Tully Dolciani
 Peter Dolciani
 Barbara E. and Harnett B. Donaldson
 Amelia J. and James H. Donaldson
 Mary Louise Draddy
 Mildred Draizen
 Harriet Rutter Eagleson 1870
 Jessica Rutter Eagleson 1899
 Dorothy Davis Edmonds
 Diane Dubinsky Elgart
 Dorothy Epstein
 Mollie R. Golomb Epstein
 Eleanor P. Erkins
 Claire J. Eskowitz
 Dora and Abraham Felt
 Ida R. Finkelstein
 Bernice H. Fleiss
 Irma London Fraad
 Marie K. Gallagher
 Jean Mayo Garberg
 Rose and Samson Garfunkel
 Phyllis and Peter Goldberg
 The Herman Goldman Foundation, Inc.
 Rose Sigal Golomb

Katherine and Jacob Graham
 Ella Graubart
 Elaine Goldman Greenberg
 Gertrude Groden
 Antoinette A. Guarino
 Rose Richman Gurenson
 E. Adelaide Hahn
 Dorothea Schut Hall
 Sadie and A. L. Hayman
 Anne Meade Heine
 Esther Hoffman
 Frieda Hoffman
 Emma Lavenia Totten Hopping
 Kathryn L. Hopwood
 Ethel F. Huggard
 Thomas Hunter
 Dora and William Intner
 Elise Jerard
 Roslyn and Alvin Katz
 John F. Kennedy
 Martha M. Kennerly
 David and Sadie K. Klau Foundation
 Florence Felch Kloeber
 Marianne E. Koch
 Lawrence and Irene Diner Koenigsberger
 Beatrice G. Konheim
 Flora Rubin Kotlarsky
 Georgiana Lieder Lahr
 Anna and Fred Landau
 Barbara Lang
 Jack and Miriam Larus
 Herbert H. Lehman
 Dr. Hyman Leight and Celia Leight Lorber
 Karl and Bertha Leubsdorf
 Eva F. Levin
 Helen and Herman Levin Foundation
 Aaron J. Levine
 Estelle F. Levy
 Gertrude Romm Levy
 Emil A. Loewenthal
 Katherine W. Ludewig
 Bessie and Solomon Luttan
 Elaine Steckman Malsin
 Rosalind Felder Marsten
 Isabel McLaughlin
 Mary E. Meade
 Beatrice Braik Melick
 Isidore Miller
 Mildred E. Miller
 Ray L. Miller
 Sarah and Samuel Miller
 Annie Hickinbottom Mills
 Herman B. Muehlstein
 Edna R. and Bernard Musnik
 Augusta W. Neidhardt
 Ray E. Kapp Nussbaum
 Catherine F. O'Hara
 Ida Oppenheimer
 Johanna Oppenheimer
 Evelyn Feil Picker
 Alvin M. Pinles
 Alicia Libby Pollack
 Clara Ruth Reid
 Regina Resnik
 Beatrice Rosenthal Reuss
 Ruth K. and Mordecai Rochlin
 Jessie Rosenfeld
 Helen Witmer Roth

Sylvester and Alice Rothchild
 Bertha and Sidney Russell
 Birdie L., Leonard, Nathan, and Samuel Samuel
 Gertrude M. Schmidt
 Elizabeth and Cornelius Schut
 Grace and Marie Schut
 Seagram Choraliers
 Rose and Abraham Shpritzer
 George N. Shuster
 G. Barbara Sloate
 The Frank R. and Emilie E. Stamer Foundation
 David B. Steinman
 Manya Lubova Stepankaya
 Ida Baron Sternlieb
 Joseph and Ida B. Sternlieb
 Betty Stohl
 Frieda Cohen Strassler
 Edith Benau Sorgan
 Helen Sorgan
 Laurence A. and Florence K. Tanzer
 Josephine Soldano Terranova
 Florence and Fred Thomases
 Florence Josephson Thomases
 Max and Esther Tuchman
 Gerald Van Name
 Martha K. and Lawrence Weidberg
 Lester C. and Judith Weinberg
 Mollie Weingart
 Hilda Rotkowitz Weitzner
 Esther and Isidore Westreich
 Jacqueline Grennan Wexler
 Joachim J. Weyl
 Rita F. and Randolph A. Wyman
 Celia and Aaron Zanger
 Max and Bella Zucker
 Eva Tarlow Zuckerman

Chapter Scholarships

Bronx Chapter
 Brooklyn Chapter
 National Capital Area Chapter
 New England Chapter
 New Haven Chapter
 Northern New Jersey Chapter
 Rockland County Chapter
 Queens Chapter
 South Florida Chapter
 Southern California Chapter
 Staten Island Chapter
 Westchester Chapter
 Wistarians

Class Scholarships

Classes of 1900, 1901, 1903, 1904, 1905, 1907, 1909, 1910, 1911, 1912, 1913, 1914, 1915, 1916, 1917, 1918, 1919, 1920, 1921, 1922, 1923, 1924, 1925, 1926, 1927, 1928, 1929, 1930, 1931, 1932, 1933, 1934, 1935, 1936, 1937, 1938, 1939, 1940, 1941, 1942, 1943, 1944, 1945, 1946, 1947, 1948, 1949, 1950, 1951, 1952, 1953, 1954, 1955, 1956, 1957, 1959, 1966

II. Hunter Scholars Program

The following scholarships have been established in the names of individuals, classes, and chapters of the Alumni Association to provide financial assistance to undergraduates on the basis of merit.

Joseph and Sophie Abeles Foundation, Inc.
 Alexander's

Barsky-Konz, Estate of Florence B. Konz
 Alys L. K. Broom
 Dora B. Buckanowa
 Leona Chanin
 Mildred Thaler and Sidney Cohen
 Kenneth M. Davis Memorial
 Isabelle and Abraham Deutsch
 Jessica Rutter Eagleson
 Patricia Fleischman
 Bernice Fleiss
 Jacqueline and Walter Freedman
 Martha T. Froelich
 Stella and Charles Guttman Foundation, Inc.
 Maurice and Kate Haut
 Elise Jerard
 David and Sadie Klau Foundation
 David L. Klein Jr. Memorial Foundation, Inc.
 Ruby and Sidney Leader
 Lillian Leight
 Bertha Leubsdorf
 Helen Levin
 Edna and Ruth Lewinson
 Beulah Nechemias Mathis Memorial
 Claire G. Miller
 Muehlstein Foundation
 Maurice and Arlene Newman
 Ida and Johanna Oppenheimer
 Palm Beach Chapter
 Queens Chapter—Louis R. Sheinkopf
 Sylvester and Alice Rothchild Foundation
 Bertha Z. Russell
 Juliette Saunders
 Estate of Anna Schults
 Stamer Foundation
 Starr Foundation
 Solon E. Summerfield Foundation, Inc.
 Lillian Swihart
 Florence and Fred Thomases
 Michael Tuch Foundation, Inc.
 Sidney A. Wolff Memorial
 Judith M. Zabar
 Class of 1932
 Class of 1933
 Anonymous Gifts

III. Awards and Prizes to Graduating Seniors

The following scholarships, awards, and prizes have been established in the names of individuals, classes, and chapters to provide assistance to graduating seniors for their graduate studies (usually limited to the first year of such study).

College-wide Awards recommended by the Alumni-Faculty Committee on Senior Scholarships.

Class of 1878 Scholarship
 Picker Fund Scholarship
 Laura Rich Student Aid Fund Scholarship
 Mary Nell White Scholarship
 Estelle Forschheimer Fund Scholarship
 Laura Rich Scholarship
 Ging Hawk Scholarship
 Clara Fischer Scholarship
 Alice Hannan Scholarship
 Gertrude Wertenbaker Scholarship
 Emma W. Ackerlee Scholarship
 Class of 1928 Scholarship
 Elin Wikender Fund Scholarship

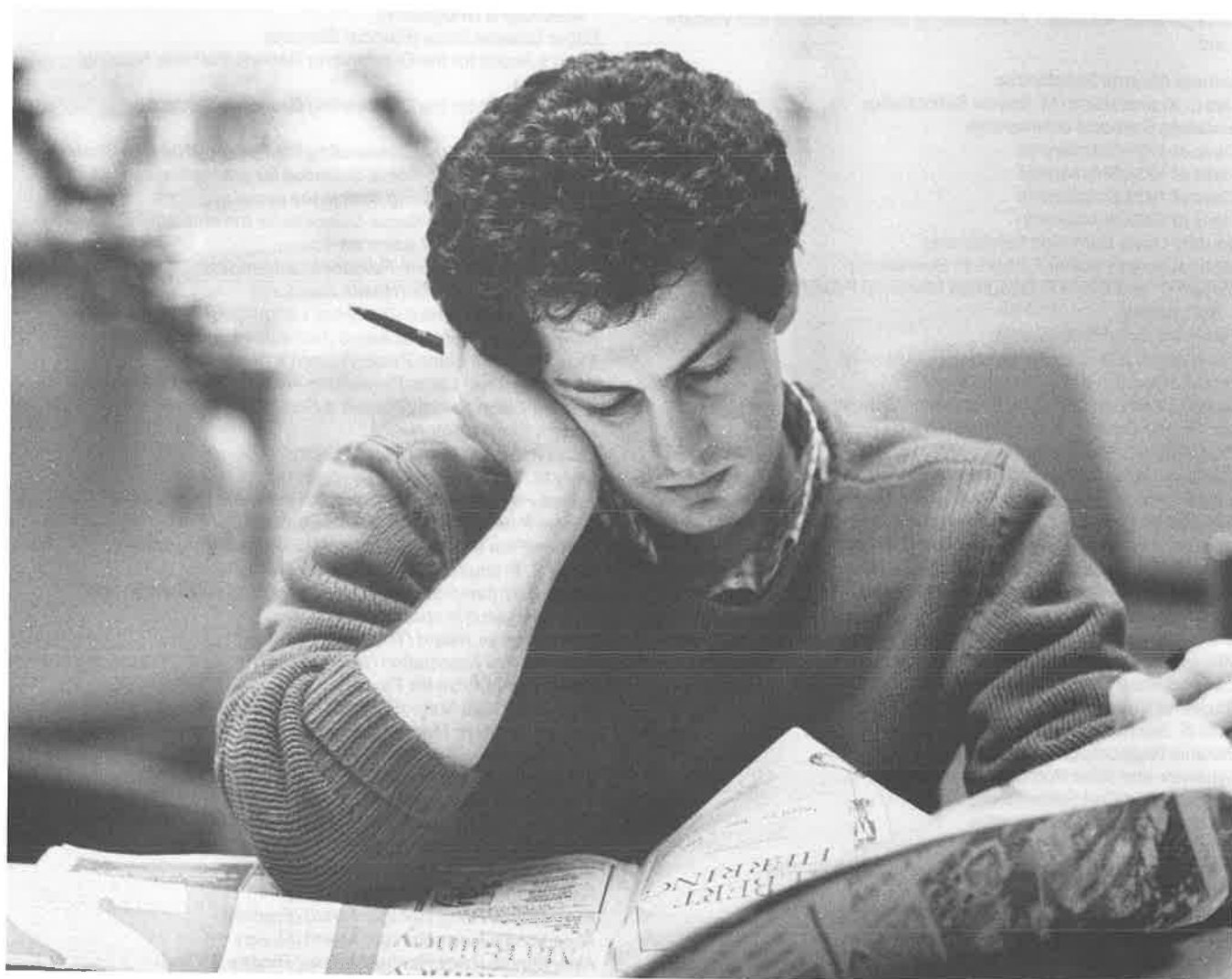
College-wide Awards presented by the Scholarship and Welfare Fund.

Samuel Abrams Scholarship
 Alys L. K. and Martin M. Broom Scholarship
 Donatella Careccia Scholarship
 Class of 1929 Scholarship
 Class of 1933 Scholarship
 Class of 1938 Scholarship
 Class of 1942 Scholarship
 Dorothy Davis Edmonds Scholarship
 Jacqueline and Walter Freedman Scholarship
 Joseph C. and Claire F. Goodman Memorial Foundation Scholarship
 Esther Hoffman Scholarship
 David and Sadie Klau Foundation Scholarship
 Estate of Martha Keller Scholarship
 David L. Kellin Jr. Memorial Foundation Scholarship
 Miriam and David L. Klein Scholarship
 Flora Rubin Kotlarsky Scholarship
 Estate of Sarah F. Kramer Scholarship
 Estate of Edna Kunc Scholarship
 Karl and Bertha Leubsdorf Scholarship
 Helen and Herman Levin Foundation Scholarship
 Lane Bryant Malsin Foundation Scholarship
 Herman Muehlstein Foundation Scholarship
 Carl H. Pforzheimer Scholarship
 Queens chapter—Beverly Buckwalter Scholarship
 Marcia Rabinowitz Scholarship
 Eric and Anne Richter Scholarship
 Rockland County Chapter Scholarship
 Ruth K. Rochlin Memorial Scholarship
 Melanie Rosborough Scholarship
 Sylvester and Alice Rothchild Scholarship
 Florence and Carl Selden Scholarship
 Ida Shur Memorial Scholarship
 South Florida Chapter Scholarship
 Frank R. and Emilie E. Stamer Foundation Scholarship
 Louise G. Tausig Scholarship
 Mildred G. and Seymour R. Thaler Scholarship
 Saul and Stanley Zabar Scholarship
 Anonymous Gifts

Departmental Awards

Academia Literaria Award (*Romance Languages*)
 The American Institute of Chemists Award
 American Society of Women Accountants Award
 for outstanding women accounting students
 Nancy Ashton Fund Award (*Art*)
 Monroe Bablove Award (*Health Sciences*)
 Beryl Bailey Award (*Black & Puerto Rican Studies*)
 Lloyd Barrell Memorial Collegium Musicum Prize
 Ida Wells Barnett Award (*Black & Puerto Rican Studies*)
 Victoria Moss Bitterman Scholarship (*Music*)
 David Bliss Prize in Latin
 Harry Blumberg Memorial Award (*Hebrew*)
 Brya Award (*Philosophy*)
 Jewel Hughes Bushey Scholarship Award
 for proficiency in mathematics
 Fanny Cafferata Class of 1978 Award (*Romance Languages*)
 Rhys Carpenter Prize in Archaeology (*Classical and Oriental Studies*)
 Miguel de Cervantes Prize (*Spanish*)
 Clapp Award (*Philosophy*)
 Class of 1895 Prize in Music
 Bernard Cohen Award for Short Story Writing
 Angeliki Cutchis Award (*Mathematics*)
 Doris Cunha Award (*Music*)
 Gordon G. Darkenwald Graduate Study Award

(*Geology & Geography*)
 Edgar Dawson Prize (*Political Science*)
 Dean's Award for the Outstanding Generic Pathway Nursing Student
 Dean's Award for the Outstanding Graduate Student in Nursing
 Dean's Award for the Outstanding RN Pathway Nursing Student
 Dean's Award in the Social Sciences *for graduating seniors who have done outstanding work in the social sciences*
 Dean's Award in the Social Sciences *for the outstanding honors paper in the social sciences*
 Grazia Deledda Award (*Romance Languages*)
 Distinguished Service (*Health Sciences*)
 Agnes M. Duffy Award (*Romance Languages*)
 Henri Dupont Memorial Award (*Romance Languages*)
 Elise Underhill Eaton Prize (*Women's Studies*)
 Walter Prichard Eaton Playwriting Award (*Theatre & Film*)
 Charles Elson Award (*Theatre & Film*)
 Anders Emile Choir Award
 Paula Kaplowitz Enns Prize (*History*)
 Mary M. Fay Award in Poetry (*English*)
 James Felt Memorial Scholarships in Health Sciences
 Denise Fetonte Prize (*Women's Studies*)
 Gordon Fifer Memorial Award of Excellence (*Education*)
 Merle E. Frampton Special Education Award
 Elena Gall Memorial Award *for outstanding scholarship and performance in special education*
 John Gassner Award (*Theatre & Film*)
 Gillet Alumni Association (*Mathematics*)
 Gillet Alumni Prize for Physics
 Joseph A. Gillet Memorial Prize in Physics
 Joseph A. Gillet: Memorial Prize *for proficiency in mathematics*
 Lucy Goodwine Prize (*History*)
 Graduation Award in Dance
 The William Graf Scholarship (*Art*)
 Claudine Grey Prize (*Romance Languages*)
 Randolph and Eliza Guggenheimer Prize (*English*)
 E. Adelaide Hahn Prize in Greek/Latin
 Rosa Riegelman Heintz Scholarship
 Alice Minnie Hertz Heniger Award (*English*)
 Alice Minnie Hertz Heniger Award (*Music*)
 Alice Minnie Hertz Heniger Award (*Theatre & Film*)
 Alice Minnie Hertz Heniger Scholarship (*Sociology*)
 Sara Hoexter Prize (*Music*)
 Harold Hoey Jr. Scholarship Award (*Mathematics*)
 Filia Holtzman Prize (*Russian*)
 C. D. Horowitz Fund Award (*Art*)
 Wilson Hunt Prize in Latin
 Thomas Hunter Prize (*History*)
 Dr. Thomas Hunter Prize (*Mathematics*)
 Kappa Delta Pi John F. Kennedy Award (*Education*)
 Richard Marin Kaye Award (*Art*)
 Norman Knox Memorial Award (*English*)
 Beatrice G. Konheim Memorial Award in Life Sciences
 (*Health Sciences*)
 Lado Music Award
 The Doris Trepel Leberfeld Memorial Award (*Health Sciences*)
 Dr. Benno Lee Graduate Scholarship (*Music*)
 P. Levine Memorial Prize (*English*)
 Special Award for Literary Achievement (*English*)
 Anne S. Loop Award (*Health & Physical Education*)
 The Lumiere Award (*Theatre & Film*)
 Andrew and Eleanor McGlinchey Prize (*English*)
 The Merck Index Award (*Chemistry*)
 Shirley P. Mintz Award (*Music*)
 Rose Mary Mirenda Award (*Health Sciences*)
 Frances Morehouse Alpha Chi Alpha Prize (*Social Sciences*)
 NYS Society of CPA's Award *for superior scholarship in accounting studies*



Augusta W. Neidhardt Award
for outstanding service and scholarship (Physical Education)
 Maria Oliva Memorial Award (Italian)
 Madeline O'Sullivan Class of 1928 Fellowship (Education)
 Frances Packer Memorial Award
for a short personal essay (English)
 Phi Sigma Sigma Prize for a graduating senior who has done
outstanding work in the social sciences
 Physical Education Department Award
for outstanding scholarship and service
 Pi Mu Epsilon Scholarship (Mathematics)
 F. Pinhas Memorial Award (Hebrew)
 F. Pinhas Memorial Student Aide Award (Chemistry)
 Luigi Pirandello Award (Romance Languages)
 Dorothy Belle Pollock Prize in Classics
 Ernst Reiss Prize in Classics
 Martha Rezler Prize (Romance Languages)
 Miriam Weinberg Richter Memorial Award (English)
 Herbert Rogers Performance Studies Prize
 Michelle Z. Rosaldo Award (Anthropology)
 Tessie K. Scharps Prize (English)
 Robert Schatten Memorial Award (Mathematics)
 Arthur and Vivian S. Schulte Award (Health Sciences)
 Senner Prize (German)

Elsie Seringhaus Award for excellence in biological sciences
 Lao G. Simmons Scholarship Award for proficiency in mathematics
 Tony Smith Fund (Art)
 Award for Outstanding Achievement in Sociology
 Award for Outstanding Contributions to Sociology
 Mary M. Solomon Special Education Award
 Elsie Viault Steedman Award (Anthropology)
 Mrs. Robert P. Sterling Award in Conservation
 (Geology & Geography)
 David L. Stevenson Award
for an outstanding student in Shakespeare studies
 Rene Taupin Prize (Psychology)
 Theatre Workshop Award
 Josef Turnau Scholarship (Music)
 Andres Valdespino Memorial Award (Spanish)
 Pearl Erlich Waisblatt Award (Education)
 Natalie Sher Wald Scholarship in Social Sciences
 Livingston Welch Award (Psychology)
 Matthew Ray Wiesen Prize (English)
 Blanche Colton Williams Award
for a graduating senior who plans to do work in English
 Helen E. Witmer Prize to an outstanding history major
 William Wood Memorial Award (Romance Languages)
 Tom Woods Award (Art)

Program of Study

(For a complete listing of all departmental and interdepartmental degree programs, see p. 24)

The Bachelor of Arts (BA) encompasses the study of science, humanities and the arts, and the social sciences. It prepares students for positions in profit, non-profit, and government organizations, or for graduate programs. Liberal arts programs seek to provide a broad knowledge of the principles and themes involved in the study of the sciences, social sciences, humanities and arts. At Hunter there is a choice of 36 majors and 10 interdepartmental fields leading to the BA degree.

The Bachelor of Science (BS) provides training for a particular career and is therefore considered a professional degree. Hunter offers BS degrees in 10 fields.

The Bachelor of Fine Arts (BFA) is a program concentrating in art for highly qualified students. This program is described in detail in the section devoted to the Art Department.

The Bachelor of Music (BMus) is a program designed for students who intend to perform professionally or to teach the performance of music.

The Bachelor of Arts/Master of Arts (BA/MA) programs are designed for highly qualified students in particular areas of study and enable full-time students to complete both the BA and MA degrees in 4 years.

The Bachelor of Arts/Master of Science (BA/MS) in Sociology and Social Research requires 5 years of full-time study. Interested students should see the department advisor at the earliest possible date.

The CUNY (City University of New York) Baccalaureate degree is a university-wide program. This degree, awarded by CUNY rather than by a specific undergraduate CUNY college, may be a BS or BA degree and is intended for students who have well-formulated individual academic and career goals. Students who are accepted work out their programs with a faculty committee of their choice which is willing to support the student's plan of study. Students pursue their studies at one or more colleges in CUNY, according to their interests. Students must complete at least 15 but not more than 90 credits to be considered for admission to this program. Further information can be obtained from the CUNY/BA advisor in the Office of Student Services.

COMPONENTS OF HUNTER BACHELOR'S DEGREES

The program of study for an undergraduate degree at Hunter consists of 3 parts totaling 125 credits for the BA and BFA and 125–131 credits for the BS.

1. **A distribution requirement** of liberal arts courses (approximately 40 credits for a BA, 44–55 credits for a BS).
2. **A concentration of in-depth study:** 2 chosen subjects, the major and the minor, for the BA degree or one subject of specialization or professional study for the BS degree (approximately 36 credits for BA and 60 for BS). See page 24.
3. **Electives or optionals:** courses freely chosen by the student, provided the prerequisites are met, to complete the total for the degree being sought (125 credits for BA and 128–131 for BS). See page 24.

Other requirements are:

Minimum proficiency in reading, written English, and mathematics (see page 24); a minimum GPA of 2.0 in the major and in all courses.

1. The Distribution Requirement

In addition to English composition, the distribution requirement for the BA and BFA degrees includes required courses in science, mathematics, foreign language, literature, humanities, social science, and physical education. The BS degree typically has a large requirement in science/mathematics and either no requirement or an optional requirement in foreign language.

Only one course, English expository writing (ENGL 120) must be passed by every student. An equivalent may be presented. See "Category II English Composition" on the chart on p. 24 for complete details.

Through meeting the distribution requirement, many students eventually find their majors. Those who have an idea of their choice of a major should read the department's statement to see whether any particular subjects in the distribution requirement are suggested as advantageous for that major.

Students should generally complete the distribution requirement before going on to their major and minor. The following students, however, should begin their major/minor courses and distribution requirement concurrently: (1) majors in departments that have sequential courses—especially mathematics, science, and foreign language, (2) minors in early childhood/elementary education, (3) candidates for the BFA and BS degree programs.

DISTRIBUTION REQUIREMENT

Regulations

Regulations Governing Distribution Requirement

1. Courses used to satisfy the requirements for a major cannot be used to satisfy the distribution requirement. Foreign language majors should refer to the major departments for specific distribution requirements. Correlative requirements for the major may be credited to the distribution requirement.
2. No more than 2 courses per department or program may be applied to satisfy the distribution requirement. Exceptions to

this are ENGL 120, which is required of all students, and the foreign language requirement.

3. A course may be applied to satisfy the requirements in only 1 category of the distribution requirement.

4. Students who have demonstrated mastery of lower level course material, to the satisfaction of the chair of the department involved or his/her designate, will be permitted to apply more advanced courses to fulfill the distribution requirement.

CATEGORY

I

Science & Mathematical Sciences

(10–12 credits)

ANTHROPOLOGY ANTHP 101 or 102**GEOGRAPHY** PGEOG 130**BIOLOGY** BIOL 100, 102 (distribution credit only if both semesters are completed)**GEOLOGY** GEOL 101, 102**CHEMISTRY** CHEM 100–101, 120–121, 102–103, 104–105.
No CHEM course can satisfy distribution requirement unless credit has been earned in both lecture and corresponding lab**MATHEMATICAL SCIENCES** MATH 100 (or 103), 110, 111, 150, 155; STAT 113 (or 213), 212**PHYSICS AND ASTRONOMY** ASTRO 100, PHYS 101, 110, 111, 120, 121**COMPUTER SCIENCE** Any C SCI-prefix course except C SCI 150, 155, 160, 165. Only one of C SCI 120, 125, or 130 may be taken to satisfy distribution requirement*Note:* A minimum of 1 course including laboratory with an ANTHP, BIOL, CHEM, PGEOG, GEOL, or PHYS prefix is required. Category I may not be fulfilled exclusively by courses in mathematical and/or computer sciences.

CATEGORY

II

English Composition

(3 credits)

ENGL 120 OR EQUIVALENT: All students required to take ENGL 120 (or its equivalent) must do so no later than the 2nd semester of attendance at Hunter, or no later than the 2nd semester after completing the required remedial course(s) in writing, or—in the case of part-time students—after accumulating no more than 24 credits at Hunter. Transfer students required to take remedial courses must also do so no later than the 2nd semester of attendance at Hunter, or after accumulating no more than 24 credits at Hunter.

CATEGORY

III

Humanities: Foreign Language

(0–12 credits)

The foreign language requirement may be fulfilled in any of the following languages:

Chinese (CHIN)**Greek** (GRK)**Latin** (LAT)**Spanish** (SPAN)**French** (FREN)**Hebrew** (HEBR)**Polish** (POL)**Swahili** (SWA)**German** (GERMN)**Italian** (ITAL)**Portuguese** (PORT)**Ukrainian** (UKR)**Russian** (RUSS)**Yoruba** (YOR)

In each language a required course sequence (12 credits) is offered: Elementary I and II (2 three-credit courses or 1 six-credit intensive course) and Intermediate I and II (2 three-credit courses or 1 six-credit intensive course). The 4 three-credit courses are usually numbered 101–102 and 201–202. * The 2 intensive six-credit courses are usually numbered 103 and 203. ** The first semester of a four-course sequence will not be credited without completion of the second semester.

0 credits Students who can demonstrate a competency equivalent to 4 years of high school language through a required proficiency examination will have satisfied the language requirement. Students who have studied one foreign language for 4 years in high school should file an appeal with the Coordinator of Academic Appeals (Room 1119E), with an official high school transcript attached.**3 credits** Students who continue a foreign language studied for 3 years in high school should take 3 credits in that language, i.e. the 4th course in the required foreign language sequence.**6 credits** Students who continue a foreign language studied for 2 years in high school should take 6 credits in the language, i.e., the 3rd and 4th courses in the required foreign language sequence.**9 credits** Students who continue a foreign language studied for 1 year in high school should take 9 credits in that language, i.e., the 2nd, 3rd and 4th courses in the required foreign language sequence.**12 credits** Students who begin a new foreign language should take 12 credits in that foreign language, i.e. all 4 courses in the required foreign language sequence.

*The Spanish for Native Speakers sequence is numbered SPAN 205–206, 207–208. Intermediate Greek is GRK 110 and GRK 202 or 203; Intermediate Latin is LAT 110 and LAT 201, 202, 203, or 204.

**Intensive courses are not offered in all languages. Exceptions to the usual numbering are CHIN 107, 207; GRK 107; LAT 107.

CATEGORY

IV

Humanities: Literature

(6 credits)

1. 3 credits in literature written in the English language: ENGL 220 or BLPR 235, 236, 237.
2. 3 additional credits in literature from one or more of the fol-

lowing categories: (a) literature originally written in English, or (b) literature presented in English translation, or (c) literature written in a foreign language and studied in that language.

CATEGORY

V

Humanities and the Arts

(9 credits)

No more than 1 course (3 credits) may be taken in any one department or program.

Group 1: (A maximum of 6 credits may be taken from this group)

ART—ARTH 111
DANCE—DAN 102, 232
MUSIC—MUSHL 101, 105, 107, MUSTH 101
THEATRE & FILM—THEA 171, FILM 120
HUMANITIES INTERDISCIPLINARY—HUM 201

Group 2: (A maximum of 6 credits may be taken from this group)

COMMUNICATIONS—COMM 160, MEDIA 180
PHILOSOPHY—PHIL 110, 116, 120, 201, 240, 241
RELIGION—REL 110, 111, 204, 205, 207, 251, 252, 254
HUMANITIES INTERDISCIPLINARY—HUM 110

Group 3: (A maximum of 3 credits may be taken from this group)

BLACK & PUERTO RICAN STUDIES—BLPR 220, 222, 141, 243
CHINESE—CHIN 111, 112
CLASSICS—CLA 101, 110, 201, 203, 220, 225, 226, 227
FRENCH—FREN 241, 242
GERMAN—GERMN 240
HEBREW—HEBR 259, 288, 290, 292, 295
RUSSIAN—RUSS 155, 156, 157, 255

CATEGORY

VI

Social Sciences

(12 credits)

ANTHROPOLOGY ANTHC 101, 126, 151

BLACK & PUERTO RICAN STUDIES BLPR 100, 101, 201.1, 201.2, 202.1, 202.2; or 1 course chosen from 102, 103; or 1 course chosen from 241, 242, 244

ECONOMICS ECO 100, 201, 202

HISTORY HIST 111, 121, 122, 151, 152, 201, 210, 277, 278

HUMAN GEOGRAPHY GEOG 101, 221, 226; also 251 or 260, but not both

POLITICAL SCIENCE POLSC 111, 112, 113, 114, 115, 116

PSYCHOLOGY PSYCH 100; an additional course may be selected from PSYCH 140, 150, 160, 170, 180

SOCIOLOGY SOC 101; an additional course may be selected from SOC 217, 219, 253, 257

URBAN AFFAIRS URBS 101, 102, 201

CATEGORY

VII

Physical Education

(1 credit)

PEDM (MEN)

PEDW (WOMEN)

PEDCO (COED)

Any activity course as listed in this catalogue. We recommend that this requirement be fulfilled by the time 75 credits have been completed.

Choice of a Foreign Language. All students in the BA or BFA degree programs are required to meet a level of proficiency in a foreign language. The BS degree in Accounting has a minimal requirement. All other BS degrees have a choice of either foreign language or additional credits in literature.

Students who change from a BS to the BA program must meet the foreign language requirement for the BA degree. Some students in BS programs elect to take foreign language as part of their liberal arts requirement and are thus prepared for either degree.

Those who plan graduate study at the doctoral level should inquire about foreign language requirements and prepare for these in their undergraduate study.

2. Concentration of In-depth Study (Major and Minor)

A major is a concentration of courses in a particular subject area. A minor is a secondary concentration usually related to the student's educational goals. Very few students have any idea of a choice of major or minor when they enter college. As the appropriate time arrives to declare a major (45–60 completed credits), students may seek assistance from counselors and advisors. Talking with faculty in the areas of study being considered may also help. The choice of major and minor is a difficult decision, but it is not irrevocable—students can change their minds.

Departmental Majors—BA degree. These are majors concentrated within one department. The major typically consists of 24 credits. A minor in a related subject is chosen at the same time and usually consists of 12 credits. Both the major and the minor must consist of liberal arts courses.

To earn a Hunter degree, students must complete at least half of their major and minor courses at Hunter College.

In order to be graduated, a student must have a minimum of a 2.0 GPA in the courses designated for the major.

Some departments permit a limited number of credits used for the distribution requirement to be counted also toward the major/minor. Although this does not lessen the number of credits required for the degree, it frees those credits to be used in an elective area.

It is possible to have a double major in the BA degree. The student must complete all of the distribution requirement, satisfy the sequence of study for both majors, fulfill a minor approved by both departments, and file a major/minor form for each approved major. The double major and the minor must consist of liberal arts courses. The Registrar will record a double major on the student's transcript, but the notation of the second major will not appear on the student's transcript until the time of graduation. Upon filing for graduation, two certificates in support of the degree should be filed with the Registrar—one from each major department.

Departmental Major — BA Degree

Anthropology	English	Philosophy
Art	French	Physical Education
Biology	Geography	Physics
Black & Puerto Rican Studies	Geology	Political Science
Chemistry	German	Psychology
Chinese	Greek	Religion
Classical Studies	Health Education	Romance Languages
Communications	Hebrew	Russian
Computer Science	History	Sociology
Dance	Italian	Spanish
Economics	Latin	Statistics
	Mathematics	Theatre & Film
	Music	

Interdepartmental Fields — BA Degree. The following programs leading to the BA degree involve courses in more than one department. For details and names of advisors, see the listing in the departmental section of this catalogue.

Archaeology	International Affairs
Comparative Literature	Jewish Social Studies
English Language Arts	Religion
Energy Policy Studies	Urban Studies
Inter-American Affairs	Women's Studies

In addition to the interdepartmental fields of study, the College also offers individual interdepartmental courses in the humanities, social sciences, and the sciences (see page 105).

3. Elective Credits

These are credits needed to complete the degree beyond those taken to fulfill the distribution requirement and the major and minor. Students may choose as electives any courses for which they have the necessary prerequisites. They may take more courses in their major or minor, study another foreign language they will need for graduate work, or explore new horizons. The choice is the student's. No course may be repeated unless it is so stated in the course description in the catalogue.

Other Requirements

Minimum Proficiency Every newly matriculated student must take proficiency examinations in reading, written English, and mathematics before registering. This includes freshmen as well as students with advanced standing (those who have credit for previous college work, whether at Hunter, a community college, or another 4-year college). If required scores are not attained, students must include in their program appropriate remedial/developmental courses in successive semesters until proficiency is demonstrated. Students holding a baccalaureate degree from an accredited American 4-year college do not have to take the proficiency examinations.

The Hunter College proficiency examinations in the skills areas include and in some cases add to the CUNY Freshman Skills Assessment Tests (FSAT) in mathematics, reading, and writing. All students who entered Hunter or any other college as freshmen in or subsequent to fall 1978 are subject to these FSAT requirements. By Board of Trustees ruling, students cannot proceed beyond 60 credits before all of the CUNY Skills Assessment Tests have been passed.

All remedial/developmental course work takes precedence over all other course work; therefore:

- Remedial/developmental course work should begin as soon as the student enters Hunter College, and
- All remedial/developmental course work should be completed within the first 36 courses or equated credits attempted at Hunter College.

A student who fails to meet these requirements will be placed on probation and is subject to dismissal.

All students graduating on or after February 1, 1985, may earn up to a maximum of 10 credits for remedial/developmental courses toward graduation, with no more than 3 credits in any one sequence (math—which also includes physical science courses—reading, written English), except for English as a second language, where the maximum number of credits can be 4.

A student must pass the proficiency examination in mathematics in addition to meeting other departmental requirements before being permitted to enroll in 300- and 400-level science and mathematics

courses. A student must pass the proficiency examinations in reading and written English before being permitted to enroll in 300- and 400-level courses in education or the social sciences.

Under no circumstances will a student be graduated without having demonstrated proficiency in mathematics, reading, and written English.

PROGRAM PLANNING

Choosing the Major/Minor When the choice is made, the student should obtain a major/minor form from the Office of the Registrar and see the major department advisor. The major department only is responsible for approving the content and arrangement of both the major and the minor, except in the case of the early childhood/elementary education collateral major, which requires approval of the Education Division. The student should be familiar with department requirements and give thought to the optional major and minor courses before meeting with the major advisor.

To change a major, a student should get a change of major form from the Registrar's Office and confer with an advisor in the new major.

Fields of Specialization or Professional Studies — BA, BS, BFA, and BMus Degrees These programs, each requiring approximately 60 credits in the area of specialization, lead to the BA, BS, BFA, or BMus degree. The following programs are available. For details and names of advisors, see the listing in the departmental section of this catalogue.

Accounting	Medical Laboratory Sciences
Communication Sciences	Music (BS and BMus)
Community Health Education	Nursing
Environmental Health Science	Nutrition and Food Science
Fine Arts (BFA degree—Art)	Physical Education
Health Education	Physical Therapy

BA/MA Degrees These programs enable highly qualified students to earn the bachelor and master's degrees in a shorter period of time than required for taking the degrees separately. The following departments offer these programs:

Anthropology	History	Music
Economics	Mathematical	Physics
English	Sciences	

Descriptions of these programs are found in the department listings. Interested students should see the department advisor early in the freshman year because scheduling the program requires careful planning. Each course may be used only as part of *one* component, either graduate or undergraduate.

BA/MS Degrees The Department of Sociology offers a BA/MS degree program, Sociology and Social Research. See the department program listing in this catalogue for further description.

Pre-professional Programs Hunter College provides certain special programs to prepare students to qualify for careers in law, medicine, dentistry, veterinary medicine, pharmacy, optometry, and engineering. Students are encouraged to maintain a close relationship with the Pre-professional Advising Office to insure adequate preparation for admission to the appropriate professional school.

Professional Option Students preparing for a career in medicine, dentistry, or veterinary medicine may elect the professional option which enables them to earn the Hunter College BA degree by taking the last year of study at an accredited professional

school. Students choosing this option must complete all the distribution requirements and all major and minor requirements at Hunter College prior to entering professional school. Before beginning professional studies, a formal application for a professional option must be submitted to and approved by the premedical advisor and registrar. Further details are available from the premedical advisor.

Pre-Engineering The pre-engineering program is organized for students who plan to transfer to an engineering school of another college after two years at Hunter. Students planning to go into engineering should consult the pre-engineering advisor during Preadmission Conference Days and also at least once each semester. The courses for pre-engineering outlined in the Physics Department section of this catalogue satisfy requirements for the first two years of the City College engineering degree. Students planning to go to an engineering school other than City College should see the pre-engineering advisor to work out a program suitable to their needs.

Pre-health Professions (Premedical) Students preparing for a career in medicine or other health professions (osteopathy, dentistry, optometry, podiatry, veterinary medicine) may elect any major or minor and should consult the premedical advisor during the Preadmission Conference Days about the choice of science in the first term's program. It is imperative that students maintain a close relationship with the Premedical Advising Office from the time they become interested in such a career so that they are adequately prepared for admission to a professional school.

Pre-law There is no prescribed course of study or major for students planning to enter the legal profession. Legal educators agree that students planning to study law should take courses that best develop ability in comprehension and clear expression, critical understanding of human values and social institutions, and creative and independent thinking. A well-balanced liberal arts education is the best preparation for a successful legal career. Students who are considering such a career should consult with the pre-law advisor so that they can be adequately prepared for admission to law school.

Preparation for Social Work A major in one of the social or behavioral sciences is preferred for students planning to enter the field of social work. Specific entrance requirements vary for the different graduate schools of social work. Most schools recommend a minimum of 24 credits in the social sciences. A major in sociology or psychology is desirable for those interested in case-work or groupwork; a major in sociology, political science, economics, or urban affairs is desirable for those interested in community organization. In addition, field placement courses that provide internships in social work agencies are highly recommended. Students planning to go to a graduate school of social work are encouraged to consult in their junior year with the Department of Sociology.

Teacher Education The teacher education program, which combines academic and field experiences, prepares students for careers in elementary and secondary schools. All teacher education programs meet certification and licensing requirements for New York State and New York City. For details, see the description under Programs of Education in this catalogue.

SPECIAL PROGRAMS

Education for Public Service A new Program of Education for Public Service has been established to encourage Hunter's best students to pursue public service careers. The program runs for a full academic year and combines internship experiences at high levels of government with intensive seminars on issues of concern to public administrators and to New York City. The program is open to any Hunter College student, regardless of major, who has a minimum 3.0 GPA and who is within 45 credits of graduation at the beginning of the fall semester. Selection is competitive. Application is made each spring. Students accepted as Public Service Scholars receive academic credit and a substantial yearly stipend. Because women and minorities have been traditionally under-represented in public policy-making positions, special efforts are taken to encourage them to apply for the program. Interested students should contact the Department of Urban Affairs.

Inservice Learning Internships This program permits qualified undergraduates to work for academic credit in off-campus positions of responsibility in their major field of interest. Departments now granting credit for internships include anthropology, art, classics, Chinese, communications, dance, energy policy studies, English, geology and geography, German, history, music, philosophy, theatre and film, and women's studies. Host institutions have included the Museum of the City of New York, CBS, Channel 13, the Associated Press, Jewish Museum, Asia Society, the Manhattan Theatre Club, and the Museum of Modern Art Film Library. Interns have performed curatorial and administrative work in museums, research and production work on TV news shows and newspapers, design work in commercial graphics, booking, managing, and technical work in theatres, and many other jobs.

This program is offered every semester, including the summer

session. Students receive from 3 to 15 credits a semester. Approximately 8–10 hours per week are required for 3 credits, 16–20 hours for 6 credits, or full-time involvement for 12–15 credits. The number of credits offered is determined by the department concerned, in accordance with the amount of time required in the specific internship. Grades, usually given on a credit/no credit basis by the department, are based on the written evaluation by the supervisor of the inservice student at the host institution and the student's analysis and evaluation paper. Students interested in the program should make inquiries in the Inservice Learning Program Office, West Building room 1432.

Internship Program in New York City Government This university-wide program bridges the gap between academic study and the practical world of City government. For details, see the description in the Political Science Department section of this catalogue.

The Junior Year in New York Program offers students enrolled in colleges outside the Metropolitan Area a carefully planned set of academic, social, and personal experiences that will enrich their degree programs and enlarge their understanding of American society through interaction with the cosmopolitan, international city that is New York.

The Junior Year in New York currently offers three programs: the Arts (theatre, music, film, dance, and visual arts); Communications (mass media and interpersonal); and Urban Leadership Studies (political science, sociology, and urban affairs).

Special admissions procedures are followed for these visiting students, who return to their home campuses for their senior year. The program is supervised and directed by a coordinator and advisory committee made up of Hunter College faculty. For further information, write to Junior Year in New York, Hunter College, 695 Park Ave., New York City, NY 10021.



Minority Access to Research Careers Program (MARC) The National Institute of Health's Division of General Medicine provides a special training program for competitively selected minority students to pursue research careers in science. Students who will go on for the PhD degree rather than to medical school are preferred. Students in the MARC program receive a stipend of \$3,600 per year, and their tuition fees are paid. In addition, travel funds are available for MARC scholars to attend scientific meetings. The MARC program is a scholarship program rather than a salary program.

Minority Biomedical Research Support Program (MBRS) The National Institute of Health's Division of Research Resources provides opportunity for qualified minority students at Hunter College to participate in an experimental research project under the supervision of a member of the science faculty. A salary of approximately \$3500 per year allows the student to devote 15–20 hours a week to research. The program is intended to encourage and increase the participation of minority students in biomedical careers.

For both the MARC and MBRS programs, Hunter College faculty members, representing the Departments of Biology, Chemistry, and Physics, provide research direction in a wide variety of projects that reflect their special expertise. Students interested in these programs should contact the MBRS/MARC Office, North Building room 314.

New York/Paris Exchange Program This program offers full-time CUNY students (undergraduates and graduates) in all disciplines the opportunity to study at one of the Universities of Paris for one or two semesters. Students are placed at the various participating universities based on their proficiency in French, their area of specialization, and their class standing. Credits earned for courses taken in Paris are applicable towards the CUNY degree. For more information and applications, contact Professor Julia Przybos, Romance Languages Department.

Special Honors Curriculum The Thomas Hunter Honors Program provides exceptional students with an individualized course of study, suited to their needs and interests, leading to the BA degree. Open to freshmen and sophomores of high intellectual or artistic ability, it permits them to replace the usual requirements of the College with a special curriculum under the supervision of the Council on Honors. It also offers its participants the chance to study with faculty members who have shown an interest in working with outstanding students. For details, see "Special Honors Curriculum," p. 103.

Study Abroad Program Opportunities exist for study abroad in summer and academic year programs. A leaflet, "Study Abroad," and additional information are available in the Office of Student Services, East Building room 1119.

The Hunter-Mannes Consortium Undergraduate music majors at Hunter are permitted to take elective courses in music at the Mannes College of Music (150 West 85th Street) under a consortium arrangement created to enrich the course offerings of both institutions. Students wishing to participate in this program should consult a Music Department advisor for details and approval.

Marymount-Manhattan College, 221 East 71st Street, Manhattan Hunter undergraduates may take courses at Marymount-Manhattan College through an exchange program that allows them to experience the atmosphere of a small private college. Interested students should get a bulletin of course descriptions from Marymount, a permit form from the Hunter Registrar's Office, and then obtain permission from the equivalent subject department at Hunter to substitute the Marymount course for one at Hunter.

YIVO Institute, 1048 Fifth Avenue, Manhattan For information about this exchange program with the Max Weinrich Center for Advanced Jewish Studies of the YIVO Institute of Jewish Research, consult the description in the Jewish Social Studies section of this catalogue or the chair of that program.



Envy



Academic Policies and Regulations

Students are expected to be familiar with the various requirements and procedures as given in this catalogue and to follow them.

At Hunter, the only source of academic rules and regulations is the Hunter College Senate and its committees, composed of faculty, students, and administrators, whose authority comes from the Board of Trustees. Any exceptions to these rules may be granted only by designated individuals. The Senate constantly studies possible areas of change. New rulings are always published in the Senate News Bulletin. Those affecting large numbers of students are published in the student newspapers and are also available in appropriate offices. For example, information on course changes is available in departmental offices, general and distribution requirement regulations in the Office of Student Services.

Regulations are subject to interpretation according to the specific nature of any individual case. Students are encouraged and expected to make inquiries regarding a possible variance if they believe their circumstances warrant it. In order to avoid misunderstanding, students should not accept statements contrary to what is stated here without getting the exception in writing on a proper form from someone who has the authority to make an exception:

1. *The only authority in the area pertaining to distribution requirements and college regulations in general is the appeals coordinator in the Office of Student Services.*
2. *The only authority in matters pertaining to the major/minor is the chair of the major department or his/her designated representative.*
3. *The procedure for grade appeals is outlined on page 31.*

Students should be especially careful of informally given advice.

Every student is obligated to determine that all requirements for the degree have been met before the date of graduation. No changes may be made to the student record card after the graduation date. Any "STOPS" not cleared by the graduation date will result in the diploma and transcripts being withheld. INC and ABS grades received in the final semester must be completed by the graduation date. If not, an application to graduate for the following semester must be filed with the Graduation Audit Unit of the Registrar's Office.

Students who are uncertain about the interpretation of any matter may learn under whose authority the matter rests by inquiring in the Office of Student Services.

This catalogue covers the general academic requirements consonant with earning a degree at Hunter when this catalogue went to press in summer 1986. Students are responsible for knowing all current regulations.

Grading Systems

Students may elect to be graded in courses according to either of two systems: (1) the traditional system of letter grades (A, B, C, D, and F) or (2) the non-letter grades of Credit/No Credit, where Credit is the equivalent of A, B, or C, and No Credit is the equivalent of D or F. Course requirements are the same no matter which system a student chooses, but there are certain restrictions about how and when the student may choose the Credit/No Credit system:

- a) No more than half of the total credits for the degree may be taken on a Credit/No Credit basis.
- b) Credit/No Credit grades are not allowed for students on probation. If given in error by instructors, they will be converted to letter grades by the Registrar's Office. (Credit grades will be changed to C; No Credit grades will be changed to F.)
- c) When a student chooses the Credit/No Credit option and earns a D as the final grade, the student may choose to receive either the D or a grade of No Credit.
- d) Freshmen may request a Credit/No Credit grade in only *one* course for each 15 credits completed at Hunter until 30 credits have been completed (with the exception of the mandatory Credit/No Credit grades required for certain remedial courses).
- e) With approval of the Senate, departments may prohibit the use of Credit/No Credit grades in major courses, especially in those areas in which outside certification is required. Credit/No Credit grades are not permitted in education, nursing, pre-engineering, premedical, health sciences, nutrition & food science, and prelaw. All students should check with their departmental advisors for specific policies.

The Credit/No Credit system may be elected by students up to the time of the final examination. Requests must be made on a form obtained from the Registrar's Office. When departmental policies allow, request forms must be accepted by the instructor. Students requesting grading according to this system must satisfy whatever attendance requirement has been set by the instructor, complete all of the assignments, and take the final examination; otherwise, the grades of WU, ABS, and INC shall apply. It should be noted that the grade of No Credit shall be used only to replace the academic grades of D and F. It shall not be used to replace the grades of WU, ABS, or INC. A No Credit grade may not override the grades FIN and FAB.

Other colleges, graduate schools, professional schools, services, and employers may look with disfavor upon the use of the Credit/No Credit grading option and may even convert Credit to C and No Credit to F for *their* purposes. If you have questions regarding the Credit/No Credit options, please check with the Office of Student Services.

Retention Standards The Board of Trustees has mandated uniform student retention standards for all the colleges that are part of the City University system. Under these standards, decisions about whether or not students may continue in a CUNY college are made on the basis of the grade point average (GPA). In order to make these decisions, course grades are assigned quality points (which count toward the GPA), as shown in the following table:



Grade	Definition	Quality Points (GPA Index)
A	90–100%	4
B	80–89%	3
C	70–79%	2
D	60–69% (lowest passing grade)	1
F	Failure	0
CR	Credit earned (equivalent to A, B, C)	—
NC	No credit granted	—
W	Official withdrawal (cannot be assigned by instructor)	—
WU	Unofficial withdrawal (counts as F)	0
R	Failure to achieve minimum proficiency. Course must be repeated. (This grade may be awarded only once in a given course.)	—
ABS	Absent from final (make-up exam permitted)	—
FAB	F from absent; an administrative grade used when the ABS grade reverts to F; this occurs if grade is not made up by the 7th week of the following semester	—
FIN	F from incomplete; an administrative grade used when INC reverts to F; this occurs if grade is not made up by the 7th week of the following semester	—
INC	Term's work incomplete	—
Y	Year's course of study—must continue to completion	—
AUD	Auditor (registered as "Auditor" during registration period)	—
Z	No grade submitted by instructor (an administrative grade which cannot be assigned by the instructor)	—
*	Current course (course in progress)	—

Retention on the Basis of Grade Point Average General scholarship is indicated by a college GPA (also referred to as the "cumulative index" or "index"). Each student is expected to know how to figure the GPA and is expected to compute it each semester.

Students admitted with advanced standing or transfer credits cannot use previous grades earned at other colleges in the computation of the GPA, but the number of their transfer credits will be added to the total Hunter College credits to determine retention. This means that students must have achieved a given GPA by the time they have completed a certain number of credits or else they will be placed on probation, and if insufficient improvement is made within a specified period, they will be subject to dismissal for poor scholarship. The standards guiding these decisions are as follows:

Credits Earned	Minimum Cumulative GPA
0–12	1.50
13–24	1.75
25 and over	2.0

Dismissal from the College and the City University Students who fail to achieve the required academic standards will be placed on academic probation. Students who fail to achieve the required academic standards while on probation will be dismissed from Hunter College and the University system.

Students may appeal an academic dismissal and should discuss the preparation of such an appeal with a counselor or advisor in the Office of Student Services. The Senate Committee on Student Standing reviews all appeals and makes the final determinations. Students are notified by mail of the disposition of their appeal.

Tuition and fees will be refunded to a student who is dismissed for failure to meet the required academic standards after having registered.

Students who withdraw from the College when their GPA is below the required academic standards will be automatically dismissed from the University. Students who have been dismissed or who have withdrawn when their GPA is below required academic standards may not be readmitted until they have been separated from the University system for at least one fall or spring semester. Students who wish to apply for readmission after separation of one or more semesters must file an application in the Office of Admissions. Applications must be filed at least one month prior to the beginning of the semester in which the student plans to reenter. Until such time as they are eligible to apply for readmission, students who are separated from the University may not enroll for credit-bearing courses in any unit of the University in any status. Applications for readmission must be filed at least one month prior to the beginning of the semester in which the student plans to re-enter.

Final and Absentee Examinations A final examination is required in each course at the College during the examination period scheduled by the Registrar, except in those courses in which the department has ruled that no examination is given.

A student who misses a final examination for valid reasons may, after consultation with the course instructor, be given a make-up final examination. Absentee examinations will be administered only to students whose work in the course has averaged C or better. The make-up examination must be taken before Monday of the 7th week of the following semester, whether or not the student is in attendance. Unless the examination is taken and passed, the grade automatically becomes an F.

The Registrar's Office mails applications for the Absentee Examination, approximately one month after the end of the semester, to all students who receive an ABS grade. Students who have not received their grade notices by this time should inquire in the Registrar's Office. Students are responsible for knowing whether they have an ABS grade and for completing and filing the application for the examination before the deadline date given in the College calendar.

Incomplete Work in Course When a student has taken the final examination but has not completed the classwork (e.g., required papers have not been handed in), the instructor may assign a grade of INC (incomplete). The instructor will use this grade *only* when convinced that the student's reasons for not completing the work at the proper time are adequate and the student's other work in the course is not less than C. The missing work must be made up by Monday of the 7th week of the following semester (fall or spring).

Students may appeal to the instructor for an extension of time in which to complete the work, but this extension can last only until the end of the semester following the semester in which the course was taken. If the work is not handed in and a grade turned in by the instructor by that time, the INC will turn into an F. No appeal for a further extension is permitted. The extension, which must be agreed to in writing, is solely between the instructor and the student. Forms for these agreements may be obtained from the Office of Student Services.

Repeating Courses with Grades of D, F, WU, or No Credit

1. Students are not permitted to repeat courses, other than those officially designated as repeatable, in which they have previously received a grade of A, B, C, or CR. If a student elects to repeat a course in which a grade of D has been received, and this course is part of a sequence, the student may repeat the course only before, or at the same time as, the next course in the series is taken.

2. Letter grades in repeated courses shall also be counted in the GPA.
3. A student who has received a grade of D, F, or NC twice in the same course (no matter what the order of receipt) will not be allowed to register for that course again except by permission of both the department in which the course is taught and the student's advisor (the major advisor for students who have declared a major or the general academic advisor for students who have not declared a major).

In instances where the course is not offered again, the grade received stands. The College is not obligated to offer the course again.

Other Regulations

Academic Calendar and Sessions The fall semester starts after Labor Day, the spring semester starts in early February, and a summer program of 6 weeks begins in June.

Courses are offered from early morning to late evening each semester and in the summer. Students are expected to attend both the fall and spring semesters; students who do not must apply for readmission.

Attendance in the summer program is optional. Students who receive financial aid under the New York State Tuition Assistance Program (TAP) should realize that these awards are available for no more than a total of 8 semesters. TAP assistance for a summer session will count as one-half a semester; the other half may be used only in a subsequent summer session.

Academic Honesty

Plagiarism Any deliberate borrowing of the ideas, terms, statements, or knowledge of others without clear and specific acknowledgment of the source is plagiarism. It is, in fact, intellectual theft. Serious students, scholars, and teachers agree that they cannot tolerate plagiarism.

It is not, of course, plagiarism to borrow the ideas, terms, statements, or knowledge of others if the source is clearly and specifically acknowledged. Any conscientious student will, from time to time, consult critical material and may wish to include some of the insights, terms, or statements encountered. When this happens, the source must be given full credit.

Plagiarism will result in disciplinary proceedings. A more detailed explanation of plagiarism and the accepted procedures for acknowledging sources is available from the Department of English or the Office of the Hunter College Senate.

Purchase of Written Assignments and "Cheating" Sale of term papers, student essays, reports, and other written assignments for use in credit courses is a misdemeanor under section 213-b of the Education Law. This law is interpreted to include material advertised to be used for "research purposes." The use of material (whether or not purchased) prepared by another and submitted by students as their own will result in disciplinary proceedings. Similarly, the copying or otherwise obtaining another's answers to questions on examinations or assignments (commonly called "cheating") will result in disciplinary proceedings.

Appeals for administrative exceptions to academic rules and regulations—including such matters as exceptions to approved program loads (except credits), variations of the distribution requirement, extension of time to take absentee exams, and other academic situations involved with classwork—are heard in the Office of Student Services.

Grade Appeals When a student considers a final course grade unsatisfactory, the student should first confer with the instructor regarding the accuracy of the grade received. This conference should be held within the first three weeks of the semester following receipt of the grade. At this time, errors may be corrected. If the grade is not an error, the student and instructor must together review all class material pertinent to the grade. If the student is not satisfied, or if the instructor does not confer with the student within the first three weeks of the semester, the student should promptly contact the department chair by submitting a written appeal, consisting of a statement giving the factual reasons and basis for the complaint. The student has the right to request in writing that the chair appoint a student as a member to the Department/School Grade Appeals Committee. This appeal at the department/School level must be submitted within the first five weeks of the semester following receipt of the grade, in accordance with the "College-wide Grade Appeals Procedures" adopted by the Senate, Fall 1985. Copies of this procedure may be obtained in the Senate Office, the Office of Student Services, or departmental offices.

Students appealing the grade to the School of Nursing, School of Health Sciences, and School of Social Work, should direct the appeal to the Dean of the School, who shall carry out the responsibilities of the department chair.

The Review Commission on the Distribution Requirement of the Hunter College Senate The purpose of this commission is to consider specific proposals by individual students to substitute a prescribed course of study in order more nearly to meet their own special academic career requirements. The Commission does *not* consider appeals customarily reviewed by the Office of Student Services or appeals from students who are near graduation and have not completed the distribution requirement. Any student who wishes to formulate an individual distribution requirement should apply for an application form to Hunter College Senate's office.

Absence from Final Examination See sections on "Final Examinations" and "Absentee Examinations."

Absence of Instructor If a class finds that the instructor is still absent after 10 minutes of the period has elapsed, a representative should be sent to the appropriate department office for instructions. The class should remain until the representative returns.

Auditing Students are required to file an application in the Registrar's Office, at the time of registration, to obtain permission to audit a course. Auditors must register in the normal manner and pay required tuition and fees. No credit or grade will be given for audited classes. Auditor status cannot be changed to credit status after the closing date for late registration. Likewise, credit status cannot be changed to auditor status after registration.

Class Attendance All students (even those for whom attendance is optional) must report to classes during the first week of classes. Students will lose their place in some science laboratory classes if they do not attend the first class meeting. (See the "Notes" for biology and chemistry in the *Schedule of Classes*.)

Except for students who have earned less than 15 credits, the limitations on class cuts were removed in 1969. This fact does not preclude the keeping of attendance records by instructors, nor can absence from class be offered as an excuse for not fulfilling all requirements for passing a course. In cases where class participation is necessary to evaluate progress, students must attend class regularly. Attendance as a course requirement is always the prerogative of the instructor. Students who have earned less than 15 credits of college-level work are limited in the number of cuts they may take in a course without loss of credit:



1 cr course — 2 hrs of cuts
 2 cr course — 4 hrs of cuts
 3 cr course — 6 hrs of cuts
 4 cr course — 6 hrs of cuts (equal to 1 lab period and 1 lecture)

Final Examinations A warning bell will be rung 10 minutes before the time set for an examination. There will be a bell to indicate the beginning and a bell to indicate the end of each examination.

Students in an examination room may not have in their possession or within their reach any books or papers except those permitted by the instructor for use in the examination. Notes normally carried in pockets or handbags should be placed completely out of reach. Students taking a drawing examination should bring their own implements. Students are not to possess an examination book at any time except during the examination period. Students should carefully fill out all information asked for on the front cover of every examination book used. If scratch paper is needed, students should use the back pages of the examination book; no other paper of any kind is to be used. All matter that is not intended to be read and marked by the examiner should be crossed out (but not torn out) before the examination book is handed in. No pages are to be torn from examination books.

The student is responsible for making sure that the instructor receives the examination book. Students may leave the examination room as soon as they finish. Quiet should be maintained in passing through the halls.

Students obliged to withdraw from an examination because of illness will be counted as absent from the examination and are permitted to take an absentee examination, as explained in the section on final and absentee examinations.

Suspension of Classes Announcements concerning emergency suspension of classes will be made on the following radio stations:

WINS	1010 AM
WNYC	830 AM and 93.9 FM
WADO	1280 AM (Spanish speaking)
WOR	710 AM
WNEW	1130 AM and 102.7 FM
WCBS	880 AM and 101.1 FM

The NYC telephone information number, 999-1234, will also carry the announcement. Do not call College offices or broadcasting stations for information.

Withdrawal from Part of Program The Board of Trustees has ruled that students have until the end of the 3rd week of classes to withdraw from a class without penalty. This period coincides with the refund period. No grade, not even W, will be assigned to students for courses they withdraw from during this period.

To withdraw between the end of the 3rd week of classes through Monday of the 7th week of classes, the student should request a withdrawal form from the Registrar's Office. After that, withdrawals will be assigned the grade of W (withdrew officially) only when it is clear that the student has good and sufficient reason for withdrawing and the coursework has been of passing quality. All withdrawals after the 7th week require specific medical, psychological, or employee documentation. After the 10th week of the semester (or the 4th week of the summer session), official withdrawal will be granted only for the most serious reasons and will require withdrawal from the total program of study. Students who withdraw either when failing or without approval will receive a grade of WU. The WU counts as an F in the GPA.

Students who receive TAP and other financial aid that requires completing 12 or more credits per semester must get clearance from the Office of Financial Aid before they may process any withdrawal from classes. After obtaining clearance from the Financial Aid Office, a student should make an appointment with an advisor or counselor in the office of Student Services before proceeding with the withdrawal process. The problem often has other solutions.

Withdrawal from College Students who become ill, or who experience personal difficulties or a lack of interest that prevents their



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concentrating on college work, are encouraged to withdraw completely from college. Failure under such conditions can only make an eventual return to college more difficult. Deadlines for such withdrawals are the same as for withdrawals from part of the program (see above).

Such students should make an appointment to see a counselor in the Office of Student Services. Students must return books to the library and all college equipment to the department to which it belongs. Students who are unable to return to Hunter to withdraw in person should write or have someone else write to the Office of Student Services. The letter should contain (1) the name under which the student is registered at Hunter, (2) the social security number, (3) the return address and telephone number, (4) the reason for withdrawal with appropriate documentation (medical, psychological, or employee) and the last date of attendance, and (5) a copy of the Bursar's receipt.

Students who just stop attending without following the above procedures are considered to have withdrawn unofficially and will receive WU's, which are equivalent to an F in computing the GPA.

Students whose GPA at the time of withdrawal is below the minimum required for continued matriculation shall be considered as having been dropped for poor scholarship.

Students withdrawing from the College, officially or unofficially, must apply for readmission in the Admissions Office at least one month prior to the semester in which they wish to re-enter.

Academic Honors

Deans' List The academic deans issue a list of students with excellent academic records. The rules for inclusion in the Deans' List are available in the Office of Student Services. Students should note, however, that they cannot be considered for the Deans' List for a semester during which they have received an ABS or INC grade.

Graduation with General College Honors A student who has completed 60 credits of traditional letter grades at Hunter College

may be considered for graduation honors. Students with a cumulative GPA of 3.800 or higher will be graduated *Summa Cum Laude*. Students with a GPA from 3.600 to 3.799 will be graduated *Magna Cum Laude*. Students with a GPA from 3.250 to 3.599 will be graduated *Cum Laude*.

Graduation with Department Honors On recommendation of any department or interdepartmental field, students with at least 24 credits in the department or field may be graduated "With Honors" in that department or field, provided they graduate in the term for which they file for honors. Of these credits, 21 (or in exceptional cases 18) must be taken at Hunter. Students who participate in the Study Abroad Program or the Exchange Program within the United States may be considered for departmental honors even if they have earned fewer than 18 credits at Hunter in courses approved for the major.

Students are eligible for departmental honors if their GPA in the major or field is not less than 3.5 and if their cumulative GPA is not less than 2.7 at the time of graduation. The student must also elect at least 2 credits (but no more than 6 credits) in honors courses offered in that department or field and present to the department's Committee on Honors a piece of independent work. Honors courses include seminar, laboratory, reading, and tutorial courses and independent study projects established for the instruction of honors students.

Honors Societies Two kinds of honor societies are recognized at Hunter College: academic and professional. In general the requirements for nomination are: for academic societies, a cumulative GPA of 3.0 and a departmental GPA prescribed by the department concerned, although in no case less than 3.0; for professional societies, a cumulative GPA of 2.8 and a departmental GPA and professional qualifications that meet departmental requirements. All honor societies except Phi Beta Kappa and Sigma Xi are subject to the rules and regulations established by a committee of the Hunter College Senate.

Students may qualify for the following honor societies:

Dobro Slovo	Slavic Language and Literature
Eta Beta Rho	Hebrew
Kappa Delta Pi	Education

Kappa Mu Epsilon	Music (academic)
Kappa Pi	Art
Omicron Delta Epsilon	Economics
Omicron Nu	Home Economics
Phi Alpha Theta	History
Phi Sigma	Biological Sciences
Phi Upsilon Omicron	Home Economics
Pi Delta Phi	French
Pi Kappa Delta	Communications
Pi Mu Epsilon	Mathematics
Pi Sigma Alpha	Political Science
Psi Chi	Psychology
Sigma Delta Pi	Spanish
Sigma Epsilon Phi	German
Sigma Pi Sigma	Physics
Sigma Theta Tau	Nursing

Phi Beta Kappa is a national honor society. Students do not apply for membership; they are elected on the basis of academic excellence. Eligibility is calculated on the basis of liberal arts courses under *Phi Beta Kappa* rules, which differ from those used in awarding other honors at Hunter College.

The Society of the Sigma Xi has as its purpose the encouragement of original investigation in pure and applied science. The Society now has about 190,000 living members, organized in chapters at colleges and universities across the United States. These men and women have been elected to membership by their respective chapters because of their engagement in and commitment to the promotion of scientific research. The Hunter chapter was installed in May 1969.

Miscellaneous Regulations

- Students may not have personal or business mail or telegrams addressed to them at the College.
- The College cannot deliver messages to students except in cases of grave emergency.
- If a student has a visitor, a visitor's pass from the Office of Student Services is required.
- Students are required to present proper identification (Hunter ID Card) upon the request of any College official.
- The College does not provide a check-cashing service.
- No student or outsider may use any part of the College buildings (including bulletin boards) for soliciting or selling any merchandise without written permission from the Dean of Students.
- No student may be a self-appointed representative of the College.
- No pets or animals (except seeing-eye dogs) may be brought into College buildings.

College Name The official name of the College, which must be used in correspondence and on application forms for employment, admission to graduate school, and transfer to other institutions, is "Hunter College of The City University of New York." Merely referring to "The City University of New York" or "CUNY" will result in the correspondence or application being sent to the Board of Trustees, thereby causing delay in processing.

Change of Name and Address Students should report to the Registrar's Office all changes of name and address to receive forms for change of name or address. Allow at least one term for the change to be processed, and for 3 months after filing continue to use your former name and address for registration and other official College purposes. Change of address should also be filed with the student's local US Post Office.

Financial Obligations The Board of Trustees has ruled that students delinquent in their financial accounts (e.g., breakage fees, tuition, loans, library fines) may not be issued grades, transcripts, or degrees.

Access to College Files Board of Trustees guidelines and the Federal Education Rights and Privacy Act of 1974 permit the following information concerning current and former students to be made available to those parties who have a legitimate interest in the information: name, attendance dates, most recent address, major field of study, degrees received, and date.

By filing a letter with the Office of the Registrar, a student or former student may request that any or all of the above information not be released without the student's prior written consent. This letter may be completed, withdrawn, or modified at any time.

Students may have access to their College records by completing a request form available in the Office of the Registrar. The office informs students when and where records may be inspected. Students are charged a fee for the duplication of a requested record.

The parent(s) of a student who is younger than 18 and who is a dependent within the definition of Section 152 of the United States Internal Revenue Code of 1954, have right of access to those student records to which the student has right of access. When a student has waived access right to a particular document or record, the parent(s) have no access right. Dependency status may be demonstrated by submitting a copy of the last filed federal income tax form or other appropriate documents. Parent(s) of a student 18 years of age or older have no right of access, regardless of their child's dependent status, without the consent of the student.

Further information may be obtained from the Dean of Students.

Health Regulations

Health Standards The following are the general health standards for admission, readmission, and continuing attendance at Hunter College:

1. The student's health status shall not constitute a danger to any individual or group at Hunter College.
2. The health condition shall not be such that it may be aggravated or intensified by the demands of attendance at the College.
3. Any limitations of activity necessitated by a health problem shall be such that program adjustments will still enable the student to conform to the College's academic requirements.
4. A student's health status shall be such that the student may be expected to continue his/her College work, taking a reasonable number of hours on a continuing basis.

Medical Records and Examinations Matriculated students (including transfer students) are required to submit a medical report by a recognized physician upon application for admission and at other times if required. If a student's medical report or other factors indicate a health problem, the College may require from the student's physician a report from a medical specialist in the area of the student's disability.

Student Physical Activity Cards Permission for physical education and similar activities is obtained in the Medical Office at Hunter College. As noted above, the prerequisite for issuance of approved cards is a completed medical report on file. These cards are valid for 2 years; then they must be renewed.



College Government

Hunter College has several governing assemblies, most of which provide for student participation.

The Hunter College Senate East Building room 1018

The Hunter College Senate was established in 1971 as the legislative body of the College with authority for determining college policy in matters related to:

1. Curriculum
2. Academic requirements and standards
3. Instruction and the evaluation of teaching
4. College development

Representatives of the faculty, student body, and administration constitute the voting membership of the Senate. Faculty senators are elected by the individual departments and serve for a term of 2 years. The elected officers of the Senate include the Chairperson, Vice-chairperson, Secretary, and the Chairperson of the Evening Session Council—who are the members of the Senate Administrative Committee. Twelve standing committees and a varying number of ad hoc committees accomplish much of the work of the Senate. Membership on committees is open to all faculty and students and is elected by the full Senate from recommendations of the Nominating Committee and by nominations from the Senate floor.

Regular meetings of the Senate are planned for 2 hours and are held once a month. Additional monthly meetings are called as needed.

Election of faculty and student membership to the Senate occurs during the spring semester.

Faculty members and students are encouraged to become involved in the meetings of the Hunter College Senate and its committees. Further information may be obtained by visiting the Senate Office.

The Evening Session Council of the Hunter College Senate East Building room 1018

Composed of one faculty member and one student from each department, the Council makes recommendations to the President and the Hunter College Senate on matters of concern to the evening session.

Faculty Personnel and Budget Committee (FP&B)

Composed of the President, the Provost, and the chairs of departments, FP&B is concerned with appointment, reappointment, promotion, and other faculty personnel matters. College deans and other senior administrators sit on the FP&B as nonvoting members.

Departmental Committees

Each department has by-laws approved by the Senate. These by-laws provide for a number of committees, most of which are open to student members. Further information is available in the appropriate departmental office.

The Faculty Delegate Assembly East Building room 1415

The Faculty Delegate Assembly is the official faculty organization of the College. Composed of two faculty members elected from each department, as well as the 10 representatives of the College to the University Faculty Senate, it works closely with the President, the Provost, and the Hunter College Senate to maintain the academic standing of the College and to implement the suggestions of the faculty.

The Student Governments

Day	North Building room 121
Evening	North Building room 139
Graduate	North Building room 314

These elected student groups have an essential role in the life of the College by controlling the "student activity fee," by chartering of student organizations, and by serving as representatives of students on matters of College policy.



Services Available to Students

The hours during which each of the offices serving students is open vary during the year. Specific information is available at the Information Center, West Building, 1st floor lobby, or in the office involved.

HUNTER COLLEGE OMBUDSMAN

East Building room 1015

The Ombudsman is empowered by the Hunter College Governance Charter to investigate complaints and grievances by any member of the College community (student, faculty, staff, or administration) about a problem or condition in the College. When requested and where possible, the anonymity of a complainant will be protected, and names will not be used in any reports the Ombudsman may make.

When someone feels unfairly treated or unjustly disadvantaged, the Ombudsman can advise the person of the available appeals procedures, recommend corrective action to be taken by the appropriate College officers, or recommend changes in College procedures or regulations that would eliminate such injustices in the future.

OFFICE OF STUDENT SERVICES

East Building room 1119

This office offers advice to all students on questions regarding procedures and regulations, course requirements, and curricula. It receives student appeals for exceptions to academic regulations. It provides information on graduate schools, on scholarships and fellowships in the United States and abroad, and on opportunities to study in other countries. It advises on special programs, including preprofessional preparation, the CUNY Baccalaureate and the BA/MA and BA/MS degrees.

Academic Computing Services

North Building room 1001

For those students who require the use of computers to complete their coursework, the Academic Computing Services maintain and operate a Remote Job Entry Site and a computer laboratory which interface with the CUNY University Computer Center over a high-speed data channel. The CUNY system includes 2 IBM 3081 computers and an IBM 3033 computer. The ACS laboratory is equipped with 2 high-speed printers, CRT terminals which are multiplexed to the mainframe, and several IBM PCs. The facilities are available to faculty and students for instructional and research computing.

The laboratory also serves as a data archive; current holdings include major nationwide voting studies and cross-national surveys. ACS is the repository for data from the Inter-University Consortium for Political and Social Research.

Consulting on instructional and research projects is provided free of charge, and a documentation, manual, and software library is maintained.

Counseling Services

East Building room 1119

Personal and psychological counseling are available to all students. Specialists also counsel and can approve special program hours for students who must attend class within restricted times. Counselors will be glad to talk with students about anything that is bothering them, ranging from information questions to requests about the most suitable types of counseling for their problem. Students who wish to drop a course after the 7th week of the semester must see a counselor for possible approval of "with-

drawal without penalty" (W). Students who are considering withdrawing from school altogether are encouraged to see a counselor before reaching a decision.

Counselors offer a variety of short workshops in such areas as study skills, test anxiety, test-taking skills, assertiveness training, and choosing a major/minor. Students may attend as many of these workshops as they wish. Information about the dates and content of the workshops to be offered each semester is available in this office.

Career Counseling and Placement

East Building room 812

Career counseling on choice of major, choice of long-range and short-range career and job goals. Counselors assist students with information on job opportunities and help them to relate their own qualifications and interests to these opportunities.

Job placement services include:

- part-time jobs during the academic year, either on or off campus;
- summer jobs, both part-time and full-time, either on campus or away;
- full-time jobs during the academic year for part-time students in the evening session;
- entry-level jobs for graduating seniors. Students are urged to make appointments in the beginning of their senior year so that they may discuss their plans with a counselor and arrange for appropriate interviews.

Workshops on locating job opportunities, interviewing, and resume preparation are held each semester. Information about dates and places is provided for each senior who registers, and is also posted, outside the Career Counseling Office.

Center for Communication Disorders

425 East 25th St. room 133

The Center for Communication Disorders provides a wide variety of diagnostic and therapeutic services for individuals with speech, language, and hearing disorders. These services are available to Hunter College students at reasonable fees.

A part of the School of Health Sciences, the Center is dedicated to an interrelated program consisting of clinical preparation of speech/language pathologists and audiologists, service to the community for persons with speech or hearing difficulties, and research in speech and hearing.

Appointments can be made at the Center for Communication Disorders or by calling 481-4464.

Child Care Center

North Building room 207

This day care service, established in September 1983, is available to students during the academic year, September through May. It is a preschool educational, developmental program for children 2 years, 9 months through age 5.

There are two classrooms equipped with age-appropriate educational materials. Activities and experiences are provided for the children by a qualified staff.

A \$5.00 non-refundable application fee is required. Inquiries as well as brochures and registration cards are available at the Center.

Ellen Morse Tishman Women's Center

East Building room 801

The Center provides a common meeting ground for students of diverse ethnicities, ages, concerns, and interests. It offers short-term counseling, support groups, and referral services. Programs of workshops, films, and discussion groups are regularly scheduled.

Disabled Student Services

East Building room 1119

Many support services are available to students with disabilities in order to provide an accessible learning environment.

Services: Early registration, counseling, advising, alternate testing, proctors, notetakers, volunteer readers, support groups for learning disabled and visually impaired students, and a Disabled Student Organization.

Equipment: Visualtek (print enlarger), large print computer and voice synthesizer, large print typewriter, Versabril system, braille writer, 4-track tape recorders, and public phone amplifiers. Individual reading rooms are available on the 2nd floor of the Wexler Library in the East Building.

For further information, contact the coordinator for Disabled Students, 772-4888.

Project Happy The Department of Health and Physical Education conducts an adapted physical education program for disabled young adults on Saturdays from 10 to 2:00 pm at the Brookdale Campus, 425 East 25th Street. Possibility of college credit for Hunter students. Contact the department chair, West Building room 1130, 772-4640.

Financial Aid

North Building room 241

Financial aid is available to matriculated students, both full-time and part-time.

Information about workshops, outlining details of eligibility, application procedures, and deadlines, is available in the Financial Aid Office. For types of aid available, see page 10.

Information, Message, and Package Center

West Building 1st floor lobby

The Center is a source of up-to-date information about all College facilities, activities, and events. It maintains a directory of departments and services and their office hours, and it directs inquiries to the proper office. The Center also handles messages and packages.

Office of the Evening Session

East Building room 1119A

This office, under the direction of an assistant dean, helps evening and part-time students to locate the Hunter offices which can give them information on admissions and registration procedures, counseling and academic advising, financial aid, departmental majors and interdisciplinary programs, and the Independent Learning by Achievement Contract. Evening session students who have special problems concerning any College program, procedure, or facility should consult the assistant dean.

Special Services

East Building room 802

The Special Services Program is a federally funded program designed to provide cultural enrichment and help students deal with College life. It offers a variety of free services: personal counseling and tutoring, noncredit workshops in the use of video and photographic equipment, and instruction in creative writing and in

piano and guitar. The program is open to all Hunter College students.

Tutoring

East Building room 802

Free tutoring is available in all subjects. Students should not wait until they are hopelessly behind in their course work but rather come early in the semester if they experience difficulty in any subject. Tutors arrange both individual and group sessions. Tutoring may consist of a few brushup meetings or a series of intensive workshops, depending upon the nature of the students' problems.

Veteran's Counseling Service

North Building room 1119A

The Veteran's Counseling Service is staffed by counselors who are veterans themselves and helps students who are veterans with benefits and other matters. The Service has funds for tutors and welcomes those who wish to tutor as well as those who desire tutoring.

Office of Educational Services

West Building 10th floor

Counselors are available to students who wish information about preparation for teaching, standards for acceptance into the teaching sequence, standards for retention in the teaching sequence, courses appropriate to various levels of teaching, New York City license and New York State certification requirements.

Office of Teacher Placement

West Building room 1000

Graduates of Hunter College who meet all New York State certification requirements, including student teaching, and Hunter graduate students in education who have 12 or more graduate credits are welcome to use this placement service. Seniors planning to use the service should register during the semester in which they take student teaching.

Departmental Advising

Each department has advisors to help students with such matters as course content, when a course is expected to be given, how a course is conducted (lecture, discussion), and the textbook(s) to be used. Students may want to discuss majoring in a subject before they make their official decision or to inquire about graduate schools. Majors should see the department advisors frequently to discuss their interests.

Bursar's Office

North Building room 238

This office collects all tuition and fees and issues the "Bursar's receipt" (the student copy of the Fee Card). This office also distributes all payroll and financial-aid checks. The Bursar's receipt is the only valid proof of registration in courses.

The Bursar's Office will issue a duplicate Bursar's receipt to replace a lost one for a fee of \$1.00. The office also accepts cash and issues receipts for payments to other Hunter offices which do not have the facilities to accept cash. For example, readmission application and transcription fees are paid here.

The Registrar's Office

North Building room 217

This office prepares and maintains student academic records. Each semester, the Registrar's office mails a grade report form to each student. Students should review these carefully and report

any errors immediately. A student who does not receive one should inquire here.

The Registrar's Office issues the *Schedule of Classes* prior to each registration period and sends registration materials to each student. This office also accepts and/or issues:

- a. notices to students with ABS grade notations with instructions concerning absentee examinations;
- b. withdrawals from part of a program during the first 7 weeks of class;
- c. permit forms to attend classes at other colleges;
- d. major/minor forms to be approved by the major department and then filed here;
- e. forms for change of name, address, and forms for recording new or corrected Social Security numbers;
- f. certification of attendance for any valid reason;
- g. application for graduation and final evaluation and certification for graduation.

Requests for transcripts are made through this office. Transcripts are sent outside of the College only on the signature of the student. There is a fee of \$4.00 per transcript, except for transcripts sent to other units of The City University, which are free.

The Writing Center

Thomas Hunter room 320

Monday, Tuesday, and Thursday:	9:00 AM–8:00 PM
Wednesday:	9:00 AM–5:00 PM
Friday:	9:00 AM–4:00 PM

The Center offers students from all departments help in developing their writing skills. Workshops, skills seminars, and weekly tutoring sessions are available each term.

The Jacqueline Grennan Wexler Library

The Jacqueline Grennan Wexler Library—Hunter College's central library—occupies floors B2 through 7 of the new East Building. Branch libraries are located at the School of Social Work and at the Brookdale Health Science Center. The central library of almost 500,000 volumes is entered at the 3rd floor walkway level. There one can find the circulation desk, the central on-line catalog, and the reference collection. Reserve books, special collections, music books, and listening stations are on the 2nd floor. Education books and related teacher education materials are on the 1st floor. Current journals, along with appropriate indexes and abstracts, microforms, and government publications are on the 4th floor, with bound journals on the 5th floor. Floors B2, B1, 6, and 7 hold the main book collection, arranged on open shelves. The library of the Center for Puerto Rican Studies is at the west end of the 7th floor.

The Language Laboratory

North Building room 1239

Hours, except during intersession and holidays:

Monday–Thursday:	9:00 AM–9:00 PM
Friday:	9:00 AM–5:00 PM
Saturday:	10:00 AM–5:00 PM

The language laboratory serves students taking foreign language courses as well as students enrolled in courses in communications and English as a second language. Its holdings include over a thousand tapes designed to assist elementary and intermediate students in the preparation of their daily assignments and, for more advanced students, a library of taped literary works performed by great European acting companies.

CAMPUS SAFETY & SECURITY

Building Hours

In order to improve security services, the following schedule and procedures have been adopted for the Hunter College complex of buildings:

Fall and Spring Semesters

Monday through Thursday	7:00 AM–10:00 PM
Friday	7:00 AM–6:00 PM

Summer Session and between Sessions

Monday through Friday	7:00 AM–10:00 PM
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Entry into the buildings at times and days other than those scheduled above is governed by the following security procedures:

1. Everyone must show proper identification to the security officers on duty. A sign-in and sign-out log will be maintained by the security officers.
2. Advance written notice, approved by a department head or a faculty member, should be submitted to the Security Office. The note should include the name(s) of the student(s) or, if a class, the number of students entering the building, the room and floor to be visited, and the approximate duration of the visit. If for any reason a written notice is not possible, a phone call to the Security Office with the same information is acceptable, provided it is followed up by a letter of confirmation.

Information and Complaints

Requests for information and complaints concerning security services should be made to Desmond B. Eaton, Director, Campus Safety & Security, West Building room 1115.

Security and Emergencies

A security unit functions in each building in which Hunter holds classes. The phone number is posted prominently at each building. The security unit should be notified first in case of health or security emergencies. Persons other than those authorized should not call an ambulance unless they are prepared to pay for it.

Emergency Medical Services

North Building room 419

The Hunter College Medical Office provides emergency care and infirmary facilities for individuals whose condition may require rest for a short period of time. The staff includes certified emergency medical technicians who are specifically trained in emergency first aid.

College Bookstore

The bookstore stocks required, supplementary, and recommended textbooks (new and used), regulation school supplies, special course requirements, and other academic and nonacademic items. The bookstore also purchases used student textbooks.

Banking Service

A banking service is available to all registered student organizations. Consult the Business Manager for information on this and other options concerning the handling of organization funds.

Lost and Found

Lost articles should be returned as follows:

College library books — to the Wexler Library

College physical education equipment — to the Physical Education Dept.

All other articles should be returned to Lost and Found at the Information Center in the lobby on the 1st floor of the West Building.

ID Card Office

North Building room 146

To obtain an ID card, bring a validated (stamped "paid") Bursar's receipt for the current semester and other proof of identification, such as a Social Security card or a driver's license, to the ID Card Office.

Reservation of Space in College Buildings

All reservations by students, faculty, and staff for *temporary* use of space during the day and evening (including weekends) should be made through Central Reservations, East Building room 812.

The initial assignment of rooms for scheduled classes and change of these rooms during the first 2 weeks of a semester are made directly by the Registrar's Office. Beginning with the fourth week of the semester, change of class rooms will be made at the Central Reservation Desk. Assignment of offices and other "permanent" space is not affected by this procedure.

Assembly and Meeting Hours

Several periods are set aside each week during which no classes are scheduled. These periods, called "Deans' Hours," are reserved for official college assemblies, guidance meetings, and other academic and administrative purposes, and for student organization meetings.



COURSE DESIGNATIONS

Numbering System Each course in the curriculum is defined by an alphabetical prefix and a 3-digit number. The 3-digit number indicates the level of study: 100- and 200-level courses are lower division, 300- and 400-level courses are upper division; 500-, 600-, and 700-level courses are graduate.

000-level course designation Remedial courses; placement determined by College-wide testing of entering students.

100-level course designation Courses with no prerequisites, survey courses, or courses defining basic concepts and presenting the terminology of a discipline.

200-level course designation Courses of intermediate college-level difficulty, courses with 100-level course(s) as prerequisite(s), or survey courses devoted to particular areas or fields within a discipline.

300-level course designation Courses of advanced college-level difficulty taken by majors and upper-division students; these are often considered to be courses in the major, offered for students clearly interested in and qualified in the subject.

400-level course designation Advanced upper-division courses and/or seminars, tutorials, and honor courses for majors and upper-division students.

Alphabetical Prefixes The following prefixes are used, preceding the 3-digit number, to designate the field of study. They are listed here alphabetically, with the field and department or program to which they pertain. Specific departments and programs appear alphabetically in the table of contents, the index, and the HEGIS Code section.

Prefix	Field	Department/Program
ACSK	Academic skills	Academic Skills/SEEK
ANTHC	Cultural anthropology (anthropological linguistics, archaeology)	Anthropology
ANTHP	Physical anthropology (genetics, paleontology, primate ecology, human evolution)	Anthropology
ARTCR	Art (creative)	Art
ART H	Art (theory and history)	Art
ASTRO	Astronomy	Physics & Astronomy
BIOL	Biological sciences	Biological Sciences
BLPR	Black & Puerto Rican studies	Black & Puerto Rican Studies
CHEM	Chemistry	Chemistry
CHIN	Chinese	Classical & Oriental Studies
CLA	Classical culture and archaeology	Classical & Oriental Studies
COMHE	Community health education	School of Health Sciences
COMM	Human communications studies	Communications
COMPL	Comparative literature	Comparative Literature
COMSC	Communication sciences	School of Health Sciences
COUNS	Counseling	Programs in Education
C SCI	Computer science	Computer Science
CUNBA	CUNY independent study/fieldwork	CUNY Baccalaureate Program
DAN	Dance	Music

ECO	Economics and accounting	Economics	PT	Physical therapy	School of Health Sciences
EDFDN	Educational foundations	Programs in Education	REL	Religion	Religion
EDUC	Curriculum & teaching	Programs in Education	RUSS	Russian	Classical & Oriental Studies
EHS	Environmental health science	School of Health Sciences	SHS	Health sciences — interdisciplinary	School of Health Sciences
ENGL	English	English	SOC	Sociology	Sociology
EPS	Energy policy studies	Energy Policy Studies	SOSCI	Social sciences — interdisciplinary	Social Sciences Division
FILM	Film	Theatre & Film	SPAN	Spanish	Romance Languages
FREN	French	Romance Languages	STAT	Statistics	Mathematical Sciences
GEOG	Geography	Geology & Geography	SWA	Swahili	Black & Puerto Rican Studies
GEOL	Geology	Geology & Geography	TELE	Dramatic television	Theatre & Film
GERMN	German	German	THEA	Theatre	Theatre & Film
GRK	Greek	Classical & Oriental Studies	URBP	Urban planning	Urban Affairs
GTECH	Geographic techniques & methods		URBS	Urban studies	Urban Affairs
HEBR	Hebrew	Classical & Oriental Studies	UKR	Ukrainian	Classical & Oriental Studies
HED	Health education	Health & Physical Education	WOMST	Women's studies — interdisciplinary	Women's Studies
HIST	History	History	YOR	Yoruba	Black & Puerto Rican Studies
HONS	Special honors curriculum	Council on Honors			
HUM	Humanities — interdisciplinary	Humanities & the Arts Division			
IAA	Inter-American affairs — interdisciplinary	Inter-American Affairs			
ILBAC	Independent learning by achievement contract	Office of Student Services			
ITAL	Italian	Romance Languages			
JSS	Jewish social studies — interdisciplinary	Jewish Social Studies			
LAT	Latin	Classical & Oriental Studies			
MATH	Mathematics	Mathematical Sciences			
MEDIA	Media studies (including journalism)	Communications			
MLS	Medical laboratory sciences	School of Health Sciences			
MODGK	Modern Greek studies	Classical & Oriental			
MUSHL	Music (history & literature)	Music			
MUSIN	Music (individual study project)	Music			
MUSPF	Music (performance)	Music			
MUSTH	Music (theory)	Music			
MVMT	Movement	Health & Physical Education			
NFS	Nutrition & food science				
NURS	Nursing education	School of Health Sciences			
ORSEM	Orientation seminar	Office of Student Services			
PEDCO	Physical education (coed)	Health & Physical Education			
PEDM	Physical education (men)	Health & Physical Education			
PEDW	Physical education (women)	Health & Physical Education			
PGEOG	Physical geography and cartography	Geology & Geography			
PHILO	Philosophy	Philosophy			
PHYS	Physics	Physics & Astronomy			
PHYSC	Physical science	Physics & Astronomy			
POL	Polish	Classical & Oriental Studies			
POLSC	Political science	Political Science			
PORT	Portuguese	Romance Languages			
PSYCH	Psychology	Psychology			



Special Programs

CUNY BA

The CUNY Baccalaureate Program permits mature and highly motivated students with a clear idea of their educational and career objectives to design their own academic program.

CUNBA 000.1 CUNY Baccalaureate Independent Study/Field-work (non-classroom project) CUNY Baccalaureate students who are involved in an independent study project should enroll in course CUNBA 000.1 for the appropriate number of credits.

Independent Learning by Achievement Contract

ILBAC 400 Interdisciplinary program that offers students an additional opportunity to demonstrate academic competence. The student signs a contract that outlines work to be done, time it will take, method of evaluating work, credits to be earned, and grade designation. The contract is presented for approval to an evaluation committee, chosen by the student, consisting of an evaluative chairperson and 2 faculty members representing more than one discipline. Work presentation may vary: oral presentation; written paper, novel, or short stories; artistic performance; laboratory experiment; public lecture; or designing or carrying out a research project. Relevant life experience may be incorporated. For further information, contact the Office of Student Services.

Orientation Seminar

ORSEM 001 Orientation Seminar 1 hr, 1 cr. For entering students. Presentation of information about Hunter College and training in skills necessary for success in college: distribution requirements, grading systems, helping services, choosing a major, test-taking skills, note-taking skills, class participation skills, and time-management skills. Group discussion. (Each section taught by a counselor or an academic advisor.)



Degree, Certificate, and Diploma Programs

Students should be aware that enrolling in programs other than the ones listed below may jeopardize their eligibility for certain student-aid awards.

Degree

Accounting — BS	0502
Anthropology — BA, MA, BA/MA	2202
Art Creative — MA	1002
Art History — BA, MA	1003
Art Studio — BA	1002
Art (Sec. Ed.) — MA	0831
Fine Arts — BFA, MFA	1002
Biochemistry — MA	0414
Biological Sciences — BA, MA	0401
Biological Sciences (Sec. Ed.) — V, MA	0401.01
Black & Puerto Rican Studies — BA	2211
Chemistry — BA	1905
Chemistry (Sec. Ed.) — MA	1905.01
Chinese Lang. & Lit. — BA	1107
Classical Archaeology — BA	2203
Classical Studies — BA	1504
Communication Sciences — BA, MS	1220
Communications — BA, MA	0601
Community Health Education — BS	1214

HEGIS Code

Comparative Literature — BA	1503
Computer Science — BA	0701
Counseling & Student Development — MA	0826
Dance — BA	1008
Dance Therapy — MS	1008
Dance Therapy/Social Work — MS/MSW	1008/2104
Economics — BA, MA, BA/MA	2204
Elem. & Early Childhood Bilingual — MSED	0802
Elem. (N-6) — BA, MSED	0802
Energy Policy Studies — BA	4999
English — BA, MA	1502
English — BA/MA	1501
English (Sec. Ed.) — MA	1501.01
English Lang. Arts — BA	1501
Environmental Science Studies — BA	0420
Environmental Health Science — BS, MS	1299
French — BA, MA	1102
French (Sec. Ed.) — MA	1102.01
Geography — BA, MA	2206
Geology — BA	1914
German Lang. & Lit. — BA	1103
Greek — BA	1110
Guidance & Counseling — MSED	0826.01
Health Education — BA, MSED	0837



Hebrew — BA	1111	Public Health — MPH	1217
History — BA, MA, BA/MA	2205	Rehabilitation Counseling — MSED	0819, 2104.10
Individual Education — MSED	0802	Religion — BA	1510
Inter-American Affairs — BA	0313	Romance Languages — BA	1101
Italian — BA, MA	1104	Russian — BA	1106
Italian (Sec. Ed.) — MA	1104.01	Russian Area Studies — MA	0307
Jewish Social Studies — BA	0309	Social Research — MS	2208
Latin & Greek — BA	1504	Social Studies (Sec. Ed.) — MA	2201.01
Latin — BA	1109	Social Work — MSW	2104
Mathematics — BA, MA, BA/MA	1701	Sociology — BA	2208
Mathematics (Sec. Ed.) — MA	1701.01	Sociology & Social Research — BA/MS	2208
Medical Lab. Sciences — BS	1223	Spanish — BA, MA	1105
Music — BA, BS, BM, MA, BA/MA	1004	Spanish (Sec. Ed.) — MA	1105.01
Music—Ethnomusicology — MA	1006	Spch. & Hearing Handicapped (Sec. Ed.) — MA	0815
Music (Sec. Ed.) — MA	0832	Special Education, Teachers of — MSED	0808
Nursing — BS	1203	Special Honors — BA	4999
Nursing — MS	1203.10	Statistics — BA	1702
Nutrition and Food Science — BS, MS	1306	Supervision & Admin. — Advanced Cert.	0828
Philosophy — BA	1509	Teaching English as a 2nd Language — MA	1508
Physical Education — BA, BS, MSED	0835	Theatre & Film — BA, MA	1007
Physical Therapy — BS	1212	Urban Affairs — MA, MS	2214
Physics — BA, MA, BA/MA	1902	Urban Planning — MUP	2214
Political Science — BA	2207	Urban Studies — BA	2214
Psychology — BA, MA	2001	Women's Studies — BA	4903

Academic Skills/SEEK

Department Office East Building room 919, phone 772-5725

Chair/Director Andrew Robinson

Professor A. Robinson

Associate Professors Baxter, Croom, Sowande

Assistant Professors Garcia, Krishnamachari, Mason, Moss, Rubinfeld, Sherman, Wimberly

Instructors Burgos, Connell, Martin, Morgan, Putko, Rodriguez, Simmons, Vactor

Lecturers Boone, Bowns, Evans, Fredericks, Fuentes, Gordon, Greeley, Haas, Hidaru, Johnson-Cohen, Laverpool, Lerner, Lipson, Maldonado, G. Manley, M. Manley, Martinez, McCullough, Montague, Morris, M. Robinson, Rose, Sawyer, Segarra, Small, Smoke, Stanley, Tsang, Wong, Zilbergeld

The Department of Academic Skills offers a pre-college-level skills development curriculum designed to prepare students for entry into college-level courses. The course of instruction includes remedial and developmental sequences in writing, reading, speaking, mathematics, and the sciences.

The department also offers a variety of supportive services, including seminars on career planning, the Orientation for Success course, group and individual tutoring, personal and academic counseling.

The courses, special seminars, and services of the department are available only to eligible students who choose to enroll in the SEEK program. The Department of Academic Skills is administered by the Division of Programs in Education.

COURSE LISTINGS

MATH/SCIENCES

ACSK 003 Pre-Anatomy and Physiology I 4 hrs, 0 cr. Overview of physical and biological sciences. Topics include body as a whole, locomotion and support, body maintenance, distribution of energy sources and nutrients. Medical terminology and comprehension are stressed.

ACSK 004 Pre-Anatomy and Physiology II 4 hrs, 0 cr. Prereq: ACSK 003. Topics from ACSK 003 are further developed and include awareness and response to environment, body maintenance, processing and utilization of nutrients, homeostasis of body fluids, perpetuation of species. Medical terminology and comprehension are stressed.

ACSK 010 Essentials of Basic Arithmetic 4 hrs, 0 cr. Prereq: placement exam. Arithmetic skills.

ACSK 011 Elementary Mathematics 4 hrs, 1 cr. Prereq: ACSK 010 or placement exam. Topics in arithmetic and algebra.

ACSK 012 Intermediate Mathematics 4 hrs, 2 cr. Prereq: ACSK 011 or placement exam. Application of basic arithmetical and algebraic skills to problems in the sciences.

ACSK 018 Basic Skills for Physics 4 hrs, 0 cr. Prereq: ACSK 012. Math tools applied to basic problem-solving in dynamics, light, electricity, and magnetism.

ACSK 019 Basic Skills for Chemistry 4 hrs, 0 cr. Prereq: ACSK 012 or perm. dept. Math tools applied to problem-solving in measurements, heat calculations, gases, and stoichiometry; chemistry of elements; nomenclature; bonding; properties of solutions.

WRITING

ACSK 020 Developmental Writing I 6 hrs, 1 cr. Prereq: placement scores. Emphasis on grammar, sentence structure, paragraphs, narrative and descriptive writing.

ACSK 021 Developmental Writing II 6 hrs, 2 cr. Prereq: ACSK 020 or placement scores. Review of grammar, proofreading, and editing skills. Emphasis on argumentative, analytic, illustrative essay writing: thesis, body, conclusion. CUNY Writing Assessment Exam as final.

WRITING ESL

ACSK 030 Developmental Writing I/English as a Second Language 6 hrs, 1 cr. Basic English-as-a-second-language writing and oral skills. Emphasis on grammar and acquisition of vocabulary through paragraph and short essay writing.

ACSK 031 Developmental Writing II/English as a Second Language 6 hrs, 1 cr. Prereq: ACSK 030 or perm. dept. Intermediate English-as-a-second-language writing and revision skills within context of descriptive, narrative, and expository essay. Grammar, vocabulary, and structure are emphasized.

ACSK 032 Developmental Writing III/English as a Second Language 6 hrs, 3 cr. Prereq: ACSK 031 or perm. dept. Advanced English-as-a-second-language writing skills, including editing and rewriting with emphasis on structure, style, and clarity of expression. CUNY Writing Assessment Exam as final.

SPEECH

ACSK 040 Speech for the Development of College-level English 3 hrs, 0 cr. Provides practical knowledge of essential skills for improvement of verbal communication. Improved speech should enhance students' chances of success in prescribed writing courses and facilitate class participation in subsequent courses.

READING

ACSK 050 Remedial Reading 4 hrs (+ 1 hr lab), 0 cr. Vocabulary expansion, basic comprehension skills, and some study techniques.

ACSK 051 Developmental Reading I 4 hrs (+ 1 hr lab), 1 cr. Prereq: ACSK 050 unless exempted. Vocabulary development, literal and interpretative comprehension, study techniques.

ACSK 052 Developmental Reading II 4 hrs (+ 1 hr lab), 2 cr. Critical comprehension, vocabulary expansion, study skills, and fluency.

ORIENTATION

ACSK 065 Orientation for Success 2 hrs, 0 cr. Required of all SEEK freshmen. Emphasis on adjustment to college, personal growth, and development of academic skills.

Anthropology

Department Office North Building room 723, phone 772-5410

Chair Daniel G. Bates

Professors Bates, Bendix, Cole, Conant, C. Ember, M. Ember, Gropper, Gross, Johnson, Lees, McLendon, Pasternak, Szalay

Associate Professors McGovern, Oates

Assistant Professor Lennihan

Advisors (day) Louise Lennihan (evening) Rena Gropper

BA/MA Program Tom McGovern

Anthropology is the scientific study of past and present peoples. Among the social sciences, anthropology is distinguished by its comparative approach to peoples and cultures. As a major in a liberal arts curriculum, it provides students with basic and advanced training in all 4 branches of the discipline: cultural anthropology (ethnology), archaeology, physical anthropology, and anthropological linguistics. Major and minor programs are designed to prepare students for post-graduate activities, which include graduate studies and research, teaching, social work, and work in museums, government, and industry, both domestic and overseas. Many use anthropology as a pre-law or premedical degree. Hunter College also offers a Master of Arts degree in anthropology; a doctoral degree in anthropology is offered by The City University of New York, of which Hunter is a senior member.

The MARC Program The Departments of Psychology, Anthropology, and Sociology jointly offer a program called MARC (Minority Access to Research Careers). This interdisciplinary research training program for talented minority juniors and seniors is funded by the Alcohol, Drug Abuse, and Mental Health Administration of the National Institute of Mental Health. Participants receive a monthly stipend, tuition and fee remission; they take a special curriculum and get individualized research training in a variety of areas under the supervision of a faculty mentor. The program has several levels of participation, and all minority students—especially freshmen and sophomores—intending to pursue a research-related career in the participating disciplines are urged to register with the program. Additional details and descriptive literature are available from the MARC program advisor.

Distribution Requirement One physical anthropology course, chosen from ANTHP 101 and 102, can be used toward the science distribution requirement, and ANTHC 101, 126, and 151 can be applied toward the social science distribution requirements. Up to 6 credits (or 2 courses of a science) of the minor may also be offered toward the distribution requirement.

Major The anthropology major is designed to give students an overview of the discipline, as well as training in all 4 fields of the subject (archaeology, cultural anthropology and ethnology, anthropological linguistics, and physical anthropology). The anthropology major consists of 25 credits as follows:

Field	Courses	Credits
Archaeology	ANTHC 126	3
Cultural anthropology	ANTHC 318	3
General	ANTHC 314	3
Linguistics	ANTHC 151	3
Physical anthropology	ANTHP 101 or 102	4
Elective courses, selected from the above fields		9
		<hr/> 25

Minor The minor consists of 12 credits. Sociology, history, education, languages, biology, geology, psychology, art, art history, and classics are often selected as minor concentrations, but they are not the only suitable choices. The minor for the anthropology major should be selected after consultation with the undergraduate advisor or the departmental chair.

It is also possible for the major to minor in one of the 4 fields of anthropology by combining relevant courses from other departments:

Anthropological Linguistics relevant courses in anthropological linguistics (in the Department of Anthropology), and in the departments of classics, communications, English, German, Hebrew, philosophy, romance languages, Russian, and theatre & film.

Archaeology relevant courses in prehistoric archaeology (in the Department of Anthropology), and in the departments of art, chemistry, classics, geology & geography, history, mathematics, and physics.

Cultural Anthropology or Ethnology relevant courses in cultural anthropology (in the Department of Anthropology), and in the departments of art, classics, education, economics, English, geology & geography, inter-American affairs, mathematics, music, philosophy, political science, psychology, sociology, and foreign languages.

Physical Anthropology relevant courses in physical anthropology (in the Department of Anthropology) and in the departments of biological sciences, chemistry, geology & geography, mathematics, and physics.

Honors Work Honors work is possible in each of the major branches of anthropology. The emphasis is on independent student research under the supervision of a faculty member. In order to graduate with departmental honors in anthropology, a student must (1) have taken at least 2 credits of ANTHC 400; (2) have a GPA in the major of not less than 3.5 and a GPA of not less than 2.8 at the time of graduation; and (3) complete a departmental honors form available from the departmental undergraduate advisor.

ANTH 400 Honors Project (available to students in each of the 4 fields of anthropology) Open to qualified juniors and seniors every semester. Research under supervision of a faculty member. From 2 to 3 credits per semester, depending on the nature of the student's work. May be taken for 1, 2, or 3 semesters for a maximum of 6 credits. To apply, students must (1) present a research plan prepared in conjunction with a faculty member, (2) have this plan approved by the undergraduate advisor and the department chair, (3) obtain approval *prior* to pre-registration.

Interdepartmental Fields Students wishing to do work in anthropology as part of an interdepartmental field, such as energy policy studies, inter-American affairs, urban affairs, and women's studies, should refer to descriptions under the department or field of their interest.

Four-year BA/MA Program in Anthropology For a limited number of outstanding students, the department offers a 4-year BA/MA program in anthropology. The program is designed for freshmen, but in certain circumstances sophomores can be considered. Interested and qualified students should consult the program's advisor or the chair of the department at the earliest possible date.

COURSE LISTINGS

Biological Anthropology, Genetics, and Paleontology

Most courses are not offered every semester but will be offered at least once in the 1986-88 schedule. Courses which are offered every semester or every other semester are noted below in the course description.

ANTHP 101 Human Evolution 6 hrs (3 lec, 3 lab), 4 cr. Offered every semester. Ethology, morphology, paleontology, and genetics pertaining to living and extinct hominids.

ANTHP 102 Human Variation 6 hrs (3 lec, 3 lab), 4 cr. Offered D/Fa and E/Sp. Genetic and racial analysis of contemporary human populations. Lab experiments and demonstrations.

ANTHP 214 Theory of Evolution 3 hrs, 3 cr. Prereq: ANTHP 101 or 102 or BIOL 100 or 102. Survey of recent developments in evolutionary theory, including population genetics, natural selection, and study of adaptation.

ANTHP 301 Human Fossil Record 3 hrs, 3 cr. Prereq: ANTHP 101, 102, or equiv. The hominid fossil record of Africa, Asia, and Europe. Human evolution as evidenced in fossil record.

ANTHP 302 Human Genetics 3 hrs, 3 cr. Prereq: ANTHP 101 or 102 or BIOL 100 or 102. Human chromosomal variability; gene expression; transmission of genetic information; analysis of genetic markers.

ANTHP 310 Primate Ecology and Behavior 3 hrs, 3 cr. Prereq: ANTHP 101 or 102 or BIOL 100 or 102. Examination of ecological factors responsible for the distribution and behavior of living primate species.

ANTHP 311 Primate Evolution 3 hrs, 3 cr. Prereq: ANTHP 101 or perm. inst. Evolution of primate behavior and morphology; interdependence of ecology, behavior, and morphology.

ANTHP 316 Human Evolutionary Adaptations 3 hrs, 3 cr. Prereq: ANTHP 101 or 102 or BIOL 100 or 102. Studies adaptive significance of distinctive biological features of human species, including brain size, secondary sexual characteristics, sparse body hair, and use of complex language.

ANTHP 401 Seminars in Selected Topics 3 hrs, 3 cr. Prereq: depends on topic. Course provides in-depth study of specific topics in field of physical anthropology.

Cultural Anthropology and Ethnology

ANTHC 100 Cultural Diversity 1 hr, 1 cr. Lectures and readings about 5 different societies at different levels of technical development.

ANTHC 101 Introduction to Cultural Anthropology 3 hrs, 3 cr. Offered every semester. People in relation to natural and cultural environments, with examples from a broad range of societies.

ANTHC 102 Contemporary Issues in Anthropological Perspectives 3 hrs, 3 cr. Anthropological perspectives on current issues such as crime, war, sex differences, cults, and energy crisis.

ANTHC 200 Peoples and Cultures of Africa 3 hrs, 3 cr. Pre-colonial, colonial, and contemporary communities, subsistence and exchange systems, and ecological adaptations.

ANTHC 201 Peoples and Cultures of the Middle East 3 hrs, 3 cr. Peasant, nomadic, and urban society; kinship, ethnic, religious, and ecological diversity; colonialism and modernization.

ANTHC 204 Peoples and Cultures of China 3 hrs, 3 cr. Historical and regional variation in pre- and post-Communist Chinese society; family, kinship, community, national minorities.

ANTHC 210 Peoples and Cultures of Circumpolar Region** 3 hrs, 3 cr. Native societies of Arctic, with emphasis on different Eskimo populations and present status within their national societies.

ANTHC 211 Peoples and Cultures of Native North America 3 hrs, 3 cr. Adaptive strategies and cultural variations in pre- and post-contact periods; problems in contemporary societies.

ANTHC 212 Peoples and Cultures of Meso-America** 3 hrs, 3 cr. Indigenous peoples of Mexico and Central America, their history, effects of colonialism, and problems they face in various national societies.

ANTHC 213 Peoples and Cultures of South America 3 hrs, 3 cr. Development and organization of tropical forest Indians, hacienda and plantation economies, peasant and urban societies.

ANTHC 214 Peoples and Cultures of the Caribbean Area 3 hrs, 3 cr. Indigenous peoples, colonization, and slavery; minorities, race relations; family life, religion, and economy.

ANTHC 301 Sex and Gender in Anthropological Perspective* 3 hrs, 3 cr. Human sexual dimorphism, males and females in contrasting societies; division of labor; socialization.

ANTHC 302 Dynamics of Cultural Change* 3 hrs, 3 cr. Prereq: ANTHC 101 or perm. inst. Theories of cultural change, including migration, ecology and demography, urbanization, contact, and acculturation.

ANTHC 303 Kinship and Social Organization* 3 hrs, 3 cr. Prereq: ANTHC 101 or perm. inst. Origins of human sociality and social evolution, rules of residence, marriage, descent, and kinship nomenclature.

ANTHC 304 Economic Anthropology* 3 hrs, 3 cr. Prereq: ANTHC 101 or perm. inst. Varying systems of production and exchange; relationship to politics and ecology; tribal and peasant societies.

ANTHC 305 Psychological Anthropology 3 hrs, 3 cr. Prereq: ANTHC 101 or perm. inst. Factors related to cross-cultural variation in personality, including male-female relationships and sexual preferences. Psychological explanations of different customs (initiation, folktales, games).

ANTHC 306 Folklore and Myth* 3 hrs, 3 cr. Cultural and psychological functions and symbolic meanings.

ANTHC 307 Anthropology of Religion* 3 hrs, 3 cr. Emphasis on non-Western societies; theories on religion, magic; functions and symbolic meaning.

ANTHC 308 Cultural Ecology* 3 hrs, 3 cr. Prereq: ANTHC 101 or perm. inst. Relationship between human populations and environment; ecosystems, population interactions, research strategies.

ANTHC 309 Peasant Societies* 3 hrs, 3 cr. Prereq: ANTHC 101 or perm. inst. The peasant in colonial, agrarian, and industrializing states: family, political, and economic institutions and strategies in a changing world.

ANTHC 310 Political Anthropology* 3 hrs, 3 cr. Prereq: ANTHC 101 or perm. inst. Leadership, decision-making, and law in different societies; emphasis on tribal and peasant communities.

ANTHC 311 Anthropology of Art* 3 hrs, 3 cr. Symbolic forms of human behavior; paleolithic cave art, tribal art, ethnomusicology.

ANTHC 314 Research Design in Anthropology 3 hrs, 3 cr. Prereq: ANTHC 101. Introduction to basic principles of research design employed in anthropology. Normally offered once each year.

ANTHC 315 Applied Anthropology* 3 hrs, 3 cr. Prereq: ANTHC 101 or perm. inst. Application of theory and methods to contemporary social problems; community development; intercultural relations.

ANTHC 316 Quantitative Methods in Anthropology* 3 hrs, 3 cr. Prereq: ANTHC 101 or perm. inst. Principles of anthropological statistics; problems of measurement and hypothesis testing.

ANTHC 317 Field Methods in Cultural Anthropology* 3 hrs, 3 cr. Prereq: ANTHC 101 or perm. inst. Student projects in data collection, sampling, use of still photography, film, videotape, sound recording.

ANTHC 318 History of Anthropological Theory 3 hrs, 3 cr. Prereq: ANTHC 101 or perm. inst. Offered once a year either Sp or Fa. History and critique. It is recommended that all introductory courses required for majors be taken before this course.

ANTHC 320 Problems in Anthropology 3 hrs, 3 cr. Perm. inst. Offered every semester. Topic to be announced. Recent courses have looked at energy policy, women and economic development, and international migration.

ANTHC 321 Women in Developing World 3 hrs, 3 cr. Prereq: ANTHC 101. Survey of socio-economic situation and roles of women in selected developing countries. Examination of both theoretical approaches and practical issues related to improving women's place in society.

ANTHC 325 Special Projects and Independent Research in Anthropology 3 hrs, 3 cr. Perm. inst. Offered every semester.

ANTHC 400 Honors Projects Perm. chair. Offered every semester.

ANTHC 401 Seminars in Selected Topics Topics to be announced.

Linguistics

ANTHC 151 Introduction to Linguistics 3 hrs, 3 cr. Offered every semester. Structure and analysis of human languages; language history; language in society, culture, and mind; language universals.

ANTHC 260 North American Indian Languages and Cultures* 3 hrs, 3 cr. Linguistic analysis and sociocultural background of North American Indian languages.

ANTHC 263 Afro-New World Languages and Cultures* 3 hrs, 3 cr. Linguistic analysis, history, sociocultural background of Caribbean Creole languages, other Afro-American speech forms.

ANTHC 351 Language and Culture* 3 hrs, 3 cr. Semantics; uses of languages in culture, cognition, society; linguistic archaeology; structural models in social science.

ANTHC 352 Language in Society 3 hrs, 3 cr. Offered once a year either Sp or Fa. Language, dialect, bilingualism in social and political life; language and ethnic identity; anthropology of communication.

ANTHC 353 Phonological Analysis and Theory 3 hrs, 3 cr. Prereq: ANTHC 151 or equiv. Phonetics of diverse languages, their phonemic analysis at different levels of theory, including distinctive feature analysis and phonological links to grammar.

ANTHC 354 Grammatical Analysis and Theory 3 hrs, 3 cr. Prereq: ANTHC 151 or equiv. Methods of syntax and morphology in work with diverse languages; syntactic theories and their development relative to universals, semantics, pragmatics, discourse.

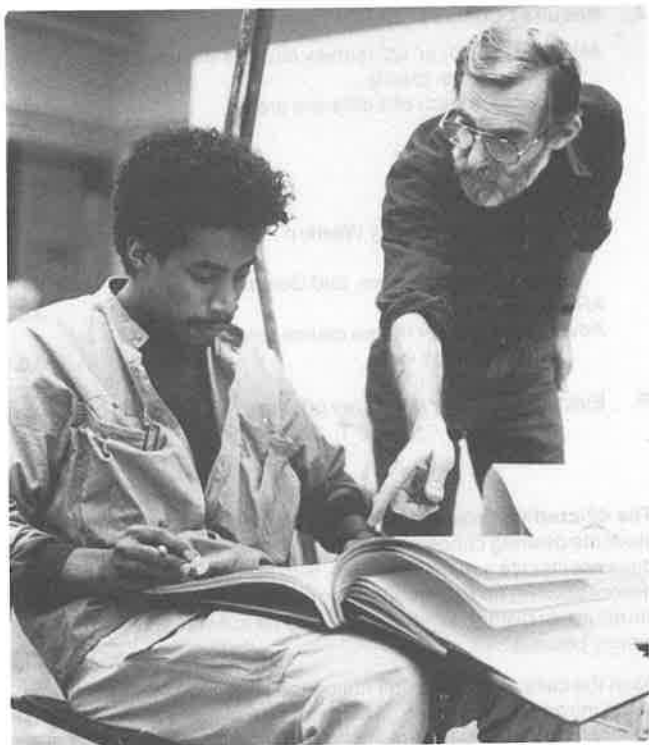
Archaeology

ANTHC 126 Introduction to Prehistoric Archaeology 3 hrs, 3 cr. Offered every other semester. Human social and cultural evolution from the earliest humans to the rise of the first civilizations.

ANTHC 127 Introduction to Archaeological Techniques* 3 hrs, 3 cr. Prereq: ANTHC 126 or perm. inst. Strategies of data collection; determination of age of deposits, environmental reconstruction, examination of artifacts.

* Not offered regularly.

** Probably not offered '86-'88.



ANTHC 226 Archaeology of Africa* 3 hrs, 3 cr. Prereq: ANTHC 126 or perm. inst. Prehistory; origins, adaptations, cultural evolution of early hominids; origins of agriculture, early complex societies.

ANTHC 227 Archaeology of Europe* 3 hrs, 3 cr. Prereq: ANTHC 126 or perm. inst. Prehistory; early hunting and gathering adaptations, beginnings of sedentary village life, development of complex societies.

ANTHC 228 Archaeology of the Near East to 2000 BC* 3 hrs, 3 cr. Prereq: ANTHC 126 or perm. inst. Sociocultural development of Near East from early hunter-gatherers to first states and empires.

ANTHC 230 Prehistory of North American Indians* 3 hrs, 3 cr. Prereq: ANTHC 126 or perm. inst. Examination of adaptation and change in prehistoric cultural systems, employing archaeological and ethnohistorical sources.

ANTHC 231 Archaeology of Mesoamerica* 3 hrs, 3 cr. Prereq: ANTHC 126 or perm. inst. Sociocultural development from early hunter-gatherers to first pre-Hispanic states and empires.

ANTHC 232 Archaeology of South America and the Caribbean* 3 hrs, 3 cr. Prereq: ANTHC 126 or perm. inst. Sociocultural development from early hunter-gatherers to first pre-Hispanic states and empires.

ANTHC 326 Rise of Old and New World Civilizations 3 hrs, 3 cr. Prereq: ANTHC 126 or perm. inst. Offered every other semester. Theoretical and empirical examination of development of urbanism and state, in Old and New Worlds.

ANTHC 327 Prehistoric Cultural Ecology* 3 hrs, 3 cr. Prereq: ANTHC 126 or perm. inst. Survey of selected problems in human evolution and adaptation from an ecological perspective.

ANTHC 328 Technology and Material Culture* 3 hrs, 3 cr. Prereq: ANTHC 126 or perm. inst. Topical survey of developments in prehistoric technology, techniques of material analysis.

ANTHC 346 Analytic Methods in Archaeology 5 hrs (3 lec, 2 lab), 4 cr. Prereq: ANTHC 126 or perm. inst. Theory and methods of analysis of materials recovered from archaeological excavations and surveys.

ANTHC 426 Seminar in Archaeological Field Methods 3 hrs, 3 cr. Prereq: ANTHC 126 or perm. inst. Offered on demand. Introduction to field methods and techniques in survey and excavation; involves weekend fieldwork on nearby sites.

* Not offered regularly.

Art

Department Office North Building room 1608, phone 772-4990

Chair Sanford Wurmfeld

Professors Bates, Cox-Rearick, DeCarava, Feldstein, Goossen, Humphrey, Kennedy, Krauss, Longo, Milkowski, Moore, Morris, Ohlson, Parker, Peterson, Swain, Wurmfeld

Associate Professors Dynes, Goldstein, Hofmann, Huot, Panzera, Stapleford, Vergara, Wells

Assistant Professors Gorchoy, Roos

Advisors See department bulletin board

The Department of Art offers a wide variety of courses for majors and non-majors. In studio art, 2 academic degree programs are offered: the BA and the BFA. In art history, we offer a BA degree.

Art history is the study of works of art and architectural monuments in their cultural environment. Students learn first to develop their powers of critical visual analysis. Then, by concentrated study of certain significant periods in the history of Western and non-Western art, they learn to relate the forms of art to contemporary historical, political, economic, religious, social, and cultural phenomena.

The department's broad range of studio courses begins with the Introduction to Visual Studies and Beginning Drawing, which are prerequisites for all advanced studio courses except ARTCR 203, 204, and 261. In the beginning classes, the student learns the basic principles in various media; the advanced courses emphasize individual exploration.

STUDIO ART

The 24-credit Major The standard major is available to the student interested in a liberal arts education. It consists of 8 courses in the major subject, normally one 3-credit course per semester, and includes ARTCR 101 and 221 followed by an additional 18 credits selected from 200- and 300-level courses.

Minor We recommend that the minor associated with the 24-credit studio major consist of 12 credits in art history.

The 42-credit Major (BA) An intensive major is available for the student who prefers a greater concentration in studio art and particularly for the student who plans to do graduate study in art. It consists of 11 courses in the major, including ARTCR 101 and 221, plus a concentration of 9 credits in one study area (e.g. painting, sculpture, drawing, graphics, applied design, ceramics, photography). Nine credits of study in art history are required, including at least one course beyond the 100 level.

Students should consult with a department advisor for guidance in the selection of 200-level courses. The plan for the area of concentration should be submitted to an advisor for tentative approval at the beginning of the junior year and for final approval in the lower senior term.

A maximum of 35 credits in studio art may be applied toward the BA degree. There is no minor associated with the 42-credit major.

The 60-credit Major (BFA) This degree is open to students who wish to extend their work in studio art beyond the 42-credit major, and particularly students who wish to terminate their formal education at the college level. Students follow the regular distribution requirement for the BA degree, except that no course in art can fulfill category V (humanities).

A total of 60 credits in art must be earned toward the BFA degree. Some of these credits may, with approval, be earned in other departments. The basic required courses are the same as for the 42-credit major: ARTCR 101 and 221, plus 9 credits in art history, including at least one course beyond the 100 level. Six additional credits are to be selected from 200- and 300-level art history courses. The senior year of this curriculum includes professional application in the chosen field of concentration: either 10 credits Professional Experience in Art (ARTCR 459 and 460), or 9 to 15 credits Inservice Program (ARTCR 498), earned in outside institutions.

Departmental approval of the 60-credit concentration is required. During the upper sophomore or lower junior term, the candidate will submit an essay and study plan to the department committee on the BFA for tentative approval. Each candidate will be interviewed by the committee and final approval determined before the beginning of the student's senior year. Application forms may be obtained from the department office.

Preparation for Teaching In cooperation with the Division of Programs in Education, the Department of Art provides opportunities for students to prepare for a career in teaching at the elementary and secondary levels.

The courses EDUC 360 and 352 are designed to prepare students to meet both New York City and New York State requirements. Twenty elective credits in education are required: EDFDN 261, 262, 272, 362 and EDUC 352, 355, 360, 460.

Further information about the teacher education program, including complete course descriptions, can be found in the Education statement in this bulletin.

Students qualifying for a license to teach art on grade levels K through 12 in New York State and/or New York City must take 18 credits as follows: ARTCR 101, 203, 204, 221, 235, 251, and 9 credits in art history as follows: ART H 121, 122, and either ART H 249 or 250. (ART H 111 may be substituted for 121 and 122, in which case an additional 3-credit art history course must be taken to fulfill the 9-credit requirement.) The remaining 15 credits are to be chosen from ARTCR 208, 225, 257, 271, 309, 322, and either 336 or 352.

Note: All art materials are to be supplied by the student. The College is not responsible for work left in the studios beyond the date assigned for removal. The department reserves the right to retain students' work for purposes of exhibition and for illustrative material for classroom use. This work may be returned at graduation upon application to the instructor.

ART HISTORY

The Department of Art offers introductory, intermediate, and advanced courses in art history. It offers a choice of either a 24-credit standard major or a 42-credit intensive major. A 12-credit minor in art history is also available; it is planned in consultation with the student's major advisor and an art history advisor.

The 24-credit Major (BA) in art history is available to students interested in a liberal arts education in the humanities. A broad range of courses from different fields, rather than specialization in one area, is encouraged. Students who have completed 9 credits in art history are eligible to take the required advanced Research Seminar (ART H 368), to be programmed in consultation with an art history advisor. A minor of 12 credits is required, and it may be taken in a related field such as classics, anthropology, history, etc. Majors must consult with an art history advisor during an early semester concerning their choice of a minor.

A. Required Courses:

ART H 111, 121, or 122 (survey courses do not count toward major credit).

One course in each of 3 different areas:

Ancient	
Medieval	
Renaissance	
Baroque	
19th- and 20th-century Western	9 cr
Oriental and Islamic	
African, Pre-Columbian, and Oceanic	
ART H 368	3 cr
Advanced Topics or theme course selected from any of the offerings	3 cr

B. Electives from any art history offering	9 cr
Total	24 cr

The 42-credit Intensive Major in art history is recommended for students desiring concentrated advanced work in art history. It does not include a minor; however, with permission of the art history advisor, up to 6 credits of work in related areas—studio art, literature, or history, for example—may be substituted for art history courses.

As in the case of the 24-credit major, the sequence begins with one of the introductory courses, is followed by 5 elective courses in art history, and includes the advanced Research Seminar, ART H 368.

A. Required Courses:

ART H 111 or 121 or 122 (survey courses do not count toward major credit).

ART H 368 Research Methods Seminar	3 cr
Advanced Studies and/or theme course selected from any of the offerings (e.g. ART H 299 and/or 300- or 400-level courses)	6 cr

One course in each of 5 different areas:

Ancient	
Medieval	
Renaissance	
Baroque	
19th- and 20th-century Western	15 cr
Oriental and Islamic	
African, Pre-Columbian, and Oceanic	

B. Electives from any art history offering	12 cr
C. Studio courses or other courses in related areas to be chosen in consultation with an advisor	6 cr
Total	42 cr

Majors in art history should discuss language requirements with an art history advisor during an early semester.

Minors in Art A minor in art history may be arranged in consultation with a departmental advisor.

Electives All courses, unless otherwise specified, are open to qualified students majoring in other areas.

Graduate Study The Department of Art offers a number of courses, listed in the Graduate Bulletin, that may be credited toward the degree of Master of Arts. Qualified students in the senior year may be admitted to these courses with the approval of the graduate art history advisor.

COURSE LISTINGS

Studio Art

ARTCR 101 and 221 are prereq for all studio courses except 203 and 204. (Prereq may be waived by perm. inst.)

ARTCR 101 Introduction to Study of Visual Experience 6 hrs, 3 cr, + 3 hrs open studio. Introduction to conceiving and formulating ideas for visual experience. Students work in 3 different areas in day session, 2 in evening session.

ARTCR 107 TTT Introduction to Studio Art Experience 3 hrs, 3 cr. Open only to students in the Training Tomorrow's Teachers program. Offered D. Exploration of various basic concepts and processes involved in production of visual art.

ARTCR 203 Visual Studies I 4 hrs, 3 cr, + 6 hrs open studio. Variables of visual experience as they apply to visual expression. Lecture, criticism, and assigned studio problems in 2 dimensions.

ARTCR 204 Visual Studies II 4 hrs, 3 cr, + 6 hrs open studio. Prereq: ARTCR 203. Continuation of ARTCR 203 in 3 dimensions.

ARTCR 206 Fabric and Fiber Design 4 hrs, 3 cr, + 5 hrs open studio. Not currently offered.

ARTCR 208 Lettering and Typography 4 hrs, 3 cr, + 5 hrs open studio. Offered D. History and development of styles in lettering and typography; comparison of humanistic and machine styles. Studio practice.

ARTCR 221 Drawing 4 hrs, 3 cr, + 5 hrs open studio. Prereq: ARTCR 101 or perm. inst. before end of preceding semester. Basic principles in various media and subjects. Eye-hand coordination, perceptual acuity, spatial organization; interpretation of directly observed subjects.

ARTCR 225 Graphic Arts Workshop 4 hrs, 3 cr, + 5 hrs open studio. Techniques of woodcut, intaglio, lithography, silkscreen, and related media.

ARTCR 235 Painting 4 hrs, 3 cr, + 5 hrs open studio. Basic principles of painting. Studio practice using varied paint media, varied paint surfaces, paper, and canvas.

ARTCR 240 Watercolor Painting 4 hrs, 3 cr, + 5 hrs open studio. Basic principles of watercolor painting.

ARTCR 251 Sculpture 4 hrs, 3 cr, + 5 hrs open studio. Basic principles of sculpture. Studio practice in varied materials.

ARTCR 257 Ceramics 4 hrs, 3 cr, + 5 hrs open studio. Introduction to pottery and ceramic sculpture, including hand forming, throwing on the wheel, glazing, and kiln operation.

ARTCR 261 Technical Drawing 4 hrs, 3 cr, + 5 hrs open studio. Recommended for pre-engineering students and art majors. Elementary architectural and engineering drawing; use of drafting equipment, lettering and dimensioning.

ARTCR 271 Principles of Photography 3 hrs, 3 cr, + 6 hrs open studio. Black and white photography as creative medium; camera and its functions; exposure and film development, contact printing and enlarging.

ARTCR 280 Design in Light and Motion 3 hrs, 3 cr, + 6 hrs open studio. Basic aesthetics and mechanics of film and related materials. Making visual experience in time.

ARTCR 301 Advanced Studio 3 hrs, 3 cr, + 5 hrs open studio. Student projects with emphasis on contemporary methods such as video, film, tape, conceptual art, environmental art, earth art.

ARTCR 307 Advanced Fiber Structure 4 hrs, 3 cr. Prereq: ARTCR 206. Not currently offered.

ARTCR 309 Graphic Communication 4 hrs, 3 cr, + 5 hrs open studio. Offered D. Prereq: ARTCR 203, 208. Word and image and their use in graphic communication; studio practice in graphic design; layout and rendering.

ARTCR 311 Clothing Design 4 hrs, 3 cr, + 5 hrs open studio. Prereq: ARTCR 322, or clothing construction experience. Use of varied materials for body covering. Studio practice; theory and criticism, varied historical developments, contemporary views and structural devices.

ARTCR 322 Advanced Drawing 4 hrs, 3 cr, + 5 hrs open studio. Prereq: ARTCR 221. May be repeated once. Continued experience in drawing with emphasis on drawing from life.

ARTCR 326 Advanced Graphic Arts Workshop 4 hrs, 2 cr, + 5 hrs open

studio. Prereq: ARTCR 225. May be repeated once. Advanced study of one or more graphic art methods. Individual exploration emphasized.

ARTCR 336 Advanced Painting 4 hrs, 3 cr, + 5 hrs open studio. Prereq: ARTCR 235. May be repeated once. Continued experience in painting with possible concentration upon one medium and theme. Individual exploration emphasized.

ARTCR 352 Advanced Sculpture 4 hrs, 3 cr, + 5 hrs open studio. Prereq: ARTCR 251. May be repeated once. Continued experience in sculpture with possible concentration in one material. Individual exploration emphasized.

ARTCR 357 Advanced Ceramics 4 hrs, 3 cr, + 5 hrs open studio. Prereq: ARTCR 257. May be repeated once. Continued experimentation in form, surface, and techniques. Individual exploration emphasized.

ARTCR 360 Special Projects 3 hrs, 3 cr, + 5 hrs open studio. Advanced students only. May be repeated once. Advanced projects are announced prior to registration each term.

ARTCR 372 Advanced Photography 3 hrs, 3 cr, + 6 hrs open studio. Prereq: ARTCR 271. May be repeated once. Techniques and aesthetics of black and white photography; self-expression and exploration; classroom critiques.

ARTCR 381 Advanced Design in Light and Motion 3 hrs, 3 cr, + 6 hrs open studio. Prereq: ARTCR 280. Cinema as an extension of still photography. Basic methods and structural principles of non-narrative films.

ARTCR 402 Independent Study in Studio Art 1-3 hrs, 1-3 cr per semester. Prereq: perm. inst.

ARTCR 459 Professional Experience in Art I 1 hr, 5 cr, + 5 hrs open studio. Prereq: perm. BFA Committee at end of Jr yr; BFA majors, senior only. Not credited toward BA degree. Advanced projects may include activities outside the college, as well as within the department.

ARTCR 460 Professional Experience in Art II 1 hr, 5 cr, + 5 hrs open studio. Continuation of ARTCR 459.

ARTCR 498 Inservice Learning Program 1-5 crs, hrs to be arranged. Prereq: perm. dept. Qualified undergraduates work for academic credit in professional and community art institutions.

Theory and History of Art

Art H 111 is the prerequisite for all advanced art history courses. May be used toward the humanities distribution requirement.

ART H 111 Introduction to History of Art 3 hrs, 3 cr. Changing forms and subjects of art in several periods of Western civilization, including ancient Greece and Rome, Middle Ages in Western Europe, Renaissance, baroque, modern, American; also Islamic and African art.

ART H 121, 122 Survey of Western Art I and II 3 hrs, 3 cr each. Offered D/Sp, E/Fa. In-depth analysis of Western art from historical point of view. Course is taught in 2 semesters: ancient through medieval art; Renaissance through modern art. Courses may be taken separately.

ART H 205 Egyptian Art 3 hrs, 3 cr. Offered D/Fa, E/Sp. Geographical, historical, and social conditions of the Nile. Influence of Egyptian art.

ART H 215 Greek Art 3 hrs, 3 cr. Offered E/Fa, D/Sp. Sculpture and painting from the geometric period to the Hellenistic (ca. 750-100 BC). Emphasis on architectural sculpture, monumental free-standing sculpture, and vase painting, in their stylistic and narrative contexts.

ART H 216 Roman Art 3 hrs, 3 cr. Offered D/Sp, E/Fa. Roman sculpture and painting from Republican period to Age of Constantine (ca. 100 BC-315 AD). Emphasis on historical reliefs, portraits, and wall painting.

ART H 220 Early Medieval Art 3 hrs, 3 cr. Offered E/Sp, D/Fa. Sculpture, painting, mosaics, and minor arts in West from dissolution of Roman Empire through Carolingian Renaissance, including early Christian and Byzantine art.

ART H 221 Later Medieval Art 3 hrs, 3 cr. Offered E/Fa, D/Sp. Ottonian, Romanesque, and Gothic art; architecture, sculpture, painting, and minor arts.

ART H 225 Art of Early Renaissance 3 hrs, 3 cr. Offered E/Fa, D/Sp. Painting, sculpture, and related architecture in 14th- and 15th-century Italy. Major artists from Giotto to Botticelli.

ART H 227 Northern European Painting 3 hrs, 3 cr. Late 14th-16th centuries with emphasis on early Netherlandish painting and later masters, such as Durer, Bosch, Brueghel.



ART H 230 Art of High Renaissance and Later 16th Century in Italy 3 hrs, 3 cr. Offered D/Sp, D/Sp. Sculpture and painting of 16th-century Italy. Emphasis on Leonardo, Raphael, Michelangelo, and Titian.

ART H 235 Southern Baroque 3 hrs, 3 cr. Offered D/Sp, E/Fa. Sculpture, painting of 17th-century Italy, France, Spain; Carracci, Caravaggio, Reni, Bernini; Ribera, Velasquez, Zurbaran, Murillo; Poussin, C. Lorraine.

ART H 240 Baroque Art of Northern Europe 3 hrs, 3 cr. Offered D/Fa, E/Fa. Sculpture and painting in 17th-century Flanders, Holland, and England. Rubens, Van Dyck, Rembrandt; landscape, portraiture, and still life.

ART H 243 Eighteenth-century Art 3 hrs, 3 cr. European painting and sculpture; Watteau, Fragonard, and Houdon in France, Hogarth and Reynolds in England, Tiepolo in Italy.

ART H 244 Neo-classicism and Romanticism: the Age of Revolution, 1789-1848 3 hrs, 3 cr. Neo-classicism and romanticism in France, Germany, England, Spain. David, Ingres, Delacroix; Friedrich, Runge, the Nazarenes; Blake, Reynolds, Constable; Goya.

ART H 245 Issues in 19th-century French Painting: Realism, Impressionism, and Post-Impressionism/Symbolism (1850-1910) 3 hrs, 3 cr. Offered D/Fa, E/Sp. Impressionists and post-Impressionists within a European context: Courbet, Manet, Monet, Cezanne, Van Gogh, Gauguin, Munch.

ART H 246 American Art 3 hrs, 3 cr. Offered D/Fa. Nineteenth-century American painting, architecture, sculpture, graphics, photography in social, historical, and environmental background of period.

ART H 249 Twentieth-century Art I 3 hrs, 3 cr. Western art to World War II.

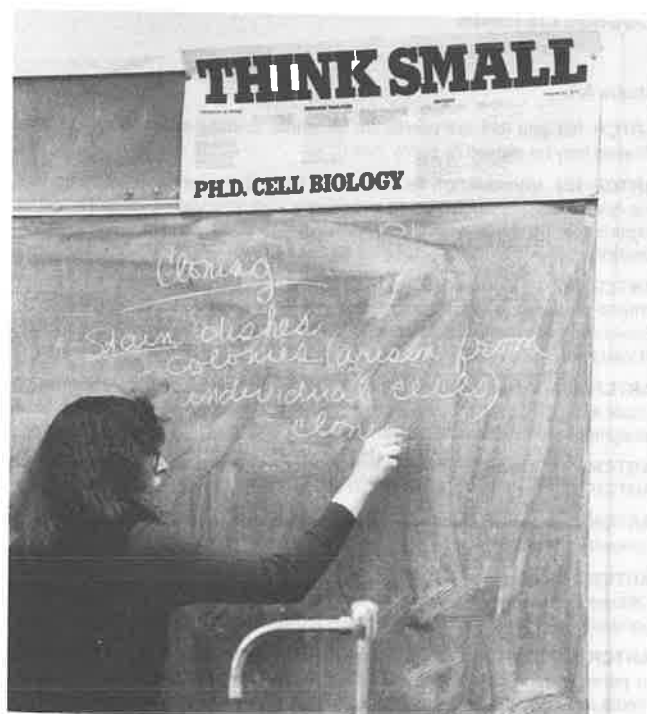
ART H 250 Twentieth-century Art II 3 hrs, 3 cr. Western art since World War II.

ART H 252 Ancient Architecture 3 hrs, 3 cr. Major architectural styles with emphasis on Greece and Rome. Technical, cultural, and aesthetic significance of the monuments.

ART H 253 Medieval Architecture 3 hrs, 3 cr. Major styles and buildings in West from ancient world through Middle Ages; technical, cultural, and aesthetic significance.

ART H 254 Architecture: Renaissance to Neo-Classical 3 hrs, 3 cr. Architecture in West from Renaissance through the 19th century; baroque, rococo, and neo-classical styles.

ART H 255 Twentieth-century Architecture 3 hrs, 3 cr. Architecture since 1850; leading architects' works; history of structural theory as it relates to architectural form and new building types.



ART H 260 Islamic Art 3 hrs, 3 cr. Art and architecture of Islamic world from 7th to 17th century, covering both East and West.

ART H 262 Oriental Art I 3 hrs, 3 cr. Art in India and Southeast Asia based primarily on Hindu and Buddhist painting, sculpture, and temple architecture.

ART H 263 Oriental Art II 3 hrs, 3 cr. Chinese and Japanese art with emphasis on painting.

ART H 270 Art of Africa and Oceania 3 hrs, 3 cr. Survey of African art; function, subjects, forms, and styles of the arts in the cultural contexts.

ART H 299 Special Topics in History of Art 3 hrs, 3 cr. Examination of broad general topics, stylistic or cultural. Topics vary each semester.

ART H 368 Research Methods of Art History 3 hrs, 3 cr. Prereq: perm. inst. and 9 cr in advanced history courses. Training in bibliographical material and research methods through examination of a problem in art history. Preparation for advanced work.

ART H 369 Advanced Studies in Art History 3 hrs, 3 cr. Prereq: perm. inst. Study of special topics. Individual research under direction of an instructor; meetings, conferences, and reports.

ART H 370 Advanced Studies in Ancient Art 3 hrs, 3 cr.

ART H 375 Advanced Studies in Medieval Art 3 hrs, 3 cr. Study of special topics. Lectures, readings, and reports dealing with various facets of one significant aspect of medieval art.

ART H 380 Advanced Studies in Renaissance and Post-Renaissance Art 3 hrs, 3 cr. A study of one significant aspect within fields of Renaissance and post-Renaissance art (14th and 18th centuries).

ART H 382 History of Film as a Visual Art 3 hrs, 3 cr. Not currently offered.

ART H 390 Advanced Studies in Oriental Art 3 hrs, 3 cr. Study of special topics of art from India, Southeast Asia, China, or Japan.

ART H 399 Special Topics in History of Art 3 hrs, 3 cr. Prereq: perm. art history advisor. Combination undergrad/graduate course. May be used to fulfill honors requirements. Specific topic varies each term.

ART H 402 Independent Study in Art History 3 hrs, 3 cr. Prereq: perm. inst.

ART H 498 Inservice Learning Program Hrs. to be arranged, 1-6 cr. Prereq: perm. of advisor and Inservice Dept. Qualified undergraduates work for academic credit in professional and community art institutions.

Biological Sciences

Department Office North Building room 942, phone 772-5293/5220

Chair Joseph S. Krakow

Professors Anderson, Brody, Chappell, Cohen, Haschemeyer, Krakow, Lyser, Martin, Mawe, Ozer, Rudner

Associate Professors Balboni, Friedman, Grant, Henderson, Lipke, Raps, Shahn, Wyche

Assistant Professor Schmidt-Glenewinkel

Advisors Consult schedule on bulletin board outside dept. office

During the past decade the Department of Biological Sciences at Hunter College has moved rapidly toward excellence in teaching and research. Twenty fully equipped laboratories were established with major federal grant support; recent awards have provided a cell culture facility and a computer-assisted instructional center. Today, its internationally recognized faculty is at the forefront of modern biology.

The core curriculum in biological sciences prepares students for careers in biology, biomedical sciences, medicine and dentistry, advanced study, and teaching. The curriculum emphasizes molecular and cellular biology as a basis for understanding the physiology and pathophysiology of organisms.

Research experience for undergraduate students is available in the areas of control of hereditary information transfer, viruses and cancer, cell structure and biochemistry, energy transformation, hormones, development, and neuropharmacology. Students also may participate in field projects at the Marine Biological Laboratory in Woods Hole, Mass.

Distribution Requirement BIOL 100, 102, required but not included in the major, may be used for the science distribution requirement. Any minor must include at least 2 courses beyond the distribution requirement.

Majors The Department of Biological Sciences offers 2 major programs: Major I is designed for students who intend to prepare for advanced study, secondary school teaching, or careers in biology, medicine, and dentistry. Major II is designed for those students who are preparing for elementary school teaching. The CR/NCR grade will not be accepted for courses taken to fulfill the major or the minor.

MAJOR I

This plan consists of 27.5 credits, including a 17.5-credit core of required courses and 10 credits of electives.

Prerequisites or corequisites for Major I CHEM 102, 103, 104, 105, 222, 223, 224, 225; PHYS 110, 120 (or 111, 121); MATH 150, 155.

Core (17.5 cr) BIOL 200, 202, 300, 302 (BIOL 100, 102 are required but not credited toward Major I).

Electives (10 cr) Students may select the remainder of their credits toward Major I from advanced courses in the biological sciences according to the following scheme.

- 300-level electives: Students must take at least one 300-level course offering listed in the catalogue in addition to BIOL 300 and 302.
- Special Topics: Students must take at least one special topics course. Various topics will be offered each semester.
- Advanced (400-level) electives: Advanced courses at the 400 level, or graduate courses (permission of instructor and major advisor required) may be taken in addition to one of the courses

listed in (1), but not instead of such a course. Students with strong interdisciplinary interests may select advanced course offerings in other departments after approval by a biology advisor

- Honors in biology: For honors in biology, eligible students must take BIOL 490 and present their results in a format to be determined by their mentor (2 cr minimum).

Undergraduate Research

Honors Work Outstanding students who wish to do individual research under the direction of a member of the department should register for BIOL 490. This course is also required for students who wish to qualify for departmental honors at graduation.

Experimental Biology Students who do not qualify for honors work but who are motivated to undertake a research problem under the supervision of a faculty member are directed to BIOL 480–483.

Students Teach Students BIOL 460 provides qualified majors with a unique opportunity to do laboratory teaching.

Minor for Major I 12 cr from one of the following fields: chemistry, physics, public health, mathematics, anthropology, psychology. Other minors by special permission of department advisor. All minors must consist of at least 2 courses beyond the basic requirements. (Note: The required chemistry courses, CHEM 102–105 and 222–225, fulfill the requirements for a chemistry minor).

Preparation for Teaching In cooperation with the Division of Programs in Education, the Department of Biological Sciences offers opportunities for students to prepare for a teaching career in the secondary schools. Students who wish to teach biology and general science at the secondary level should select Major I. BIOL 460 is strongly recommended as an elective.

Curriculum Guide for Major I

	Fall	Spring
Year 1	BIOL 100 CHEM 102, 103	BIOL 102 CHEM 104, 105
Year 2	BIOL 200 CHEM 222, 223 *MATH 150 *PHYS 110 or 111	BIOL 202 CHEM 224, 225 *MATH 155 *PHYS 120 or 121
Year 3	BIOL 300 *PHYS 110 or 111 BIOL electives (300 level)	BIOL 302 *PHYS 120 or 121 BIOL electives (300 & 400 level)
Year 4	BIOL electives (300 & 400 level)	BIOL electives (300 & 400 level)

* We recommend that math and physics courses be completed as early as your schedule allows.

MAJOR II (for students planning to teach in elementary school)

The plan for this major includes the following:

- BIOL 100, 102 (9 cr);
- Courses approved by the departmental advisor selected from the 200 or 300 level (17 cr).

Minor for Major II The minor is in education. For details on course requirements, consult the Department of Education statement in this catalogue.

Prerequisites or corequisites CHEM 102, 103, 104, 105; PHYS 101 (or PHYS 110, 120); MATH 103.

CAREER PLANNING

Graduate Study Biology majors are encouraged to register for graduate courses in their senior year. Students who plan to enter graduate school should consult a departmental advisor early in their college careers.

Professional Schools Students who plan to apply to schools of medicine, dentistry, or veterinary medicine should see the pre-med advisor in room 313 North Building.

COURSE LISTINGS

†BIOL 100 **Principles of Biology I** 7 hrs (3 lec, 3 lab, 1 disc), 5 cr. Offered Fa. Fundamental concepts: evolution, genetics, cell theory, development, integration at organismal level.

†BIOL 102 **Principles of Biology II** 6 hrs (2 lec, 3 lab, 1 disc), 4 cr. Prereq: BIOL 100 or equiv. Offered Sp. Comparative physiology of plants and animals, behavior and ecology.

†BIOL 120 **Anatomy and Physiology I** 6 hrs (3 lec, 3 lab), 4½ cr. Prereq: CHEM 100, 120. Offered Fa. Cell structure and function, histology, nervous, muscular, and skeletal systems, integument. (Recommended for pre-Nursing)

†BIOL 122 **Anatomy and Physiology II** 6 hrs (3 lec, 3 lab), 4½ cr. Prereq: BIOL 120 or equiv. Offered Sp. Structure and function of digestive, excretory, endocrine, and reproductive systems. Basic concepts metabolism, embryology. (Recommended for pre-Nursing)

BIOL 200 **Cell Biology I: Microorganisms** 7 hrs (3 lec, 4 lab), 4½ cr. Prereq: BIOL 100 and 102, or equiv, CHEM 102, 103, 104, 105 or equiv; coreq: CHEM 222, 223. Offered Fa. Structure and function of procaryotic cells, organelles, and viruses; their cultivation, growth, evolution, metabolism, and genetics. Laboratories include light microscopic techniques, cultivation, growth, metabolism, and genetics of micro-organisms and viruses.

BIOL 202 **Cell Biology II: Eucaryotic Systems** 6 hrs (2 lec, 3 lab, 1 disc), 4 cr. Prereq: BIOL 200; coreq: CHEM 224, 225. Structure and function of animal and plant tissues, cells and organelles; cell cycle; cellular morphogenesis; cell motility and cytoskeleton; eucaryotic cell culture and transformation; physiology of specialized cells; techniques of modern cell biology. Laboratory exercises include eucaryotic cell culture, preparation of cells and tissues for light and electron microscopy, studies of chromosomes, cell division (living cells), and ATP-induced cell movements.

BIOL 204 **Environmental Microbiology** 3 hrs (lec and demo), 3 cr. Prereq: BIOL 102 or equiv. Offered Fa. Microorganisms in normal and polluted environments—spills; waste and water treatment, metallic pollutants.

BIOL 206 **Ecology** 3 hrs (lec or field trips), 3 cr. Prereq: BIOL 102. Offered Fa. Biotic communities, biogeochemical cycles, populations, rates, competition, predations, major biomes.

BIOL 210 **Advanced Physiology** 2 hrs (lec), 2 cr. Recent advances in cellular and molecular medicine and human physiology. (Open to RN Pathway students only.)

BIOL 211 **Advanced Physiology** 3 hrs (lab), 1 cr. Laboratory experiments relevant to human physiology. (Open to RN Pathway students only.)

BIOL 220 **Topics in Genetics and Evolution** 3 hrs (lec), 3 cr. Prereq: BIOL 100 or 120 or equiv. Classical genetic phenomena as related to multicellular organisms; genetic anomalies; genetics of populations as related to evolution.

BIOL 230 **Fundamentals of Microbiology** 5 hrs (2 lec, 3 lab), 3 cr. Prereq: BIOL 100, 102 or 120, 122, or equiv., CHEM 100, 102 or 120, 103, 104, 105, or equiv. Microorganisms, structure, function, distribution: importance in health, sanitation, and industry; viruses. (Recommended for pre-Nursing.)

BIOL 252 **Comparative Anatomy of the Vertebrates** 6 hrs (2 lec, 4 lab), 4 cr. Prereq: BIOL 102 or equiv. Chordate evolution: morphology and development of organs and organ systems. Dissection of dogfish, cat.

BIOL 274 **Physiology of Activity** 4 hrs (2 lec, 2 lab), 3 cr. Prereq: BIOL 100, 102 or equiv. Muscle contraction, work and mechanical efficiency, exercise, circulatory and respiratory adaptations.

BIOL 276 **Introduction to Endocrinology** 3 hrs (lec), 3 cr. Prereq: BIOL 100, 102 or 120, 122 or equiv. Hormones, mechanism of action, control and regulation influence on metabolism, reproduction. Neurosecretion, behavior.

BIOL 278 **Physiology of the Nervous System** 2 hrs (lec), 2 cr. Prereq: BIOL 100, 102 or equiv; coreq: BIOL 279. Offered Fa. Neuron structure, conduction; neuroanatomy, synapses, integration. Neuroembryology.

BIOL 279 **Physiology of the Nervous System** 3 hrs (lab), 1 cr. Prereq: BIOL 100, 102 or equiv; coreq: BIOL 278. Neurophysiological experiments, histology, anatomy, and development of nervous system. Sensory processes.

BIOL 280 **Biochemistry of Health and Nutrition** 3 hrs (lec), 3 cr. Prereq: BIOL 100, 102 or 120, 122, CHEM 100, 120. Basic biochemistry in areas related to human health and nutrition. Designed for students in dietetics and RN Pathway.

BIOL 300 **Molecular Biology** 7 hrs (3 lec, 1 disc, 3 lab), 4½ cr. Prereq: BIOL 202, CHEM 224, 225. Offered Fa. Molecular aspects of cellular function; properties of biomolecules, their biosynthesis and breakdown; structure and function of proteins and enzymes, metabolites, membranes, and nucleic acids; cellular mechanisms of energy transduction; integration and control of cell metabolism. Experiments cover variety of modern techniques in molecular biology.

BIOL 302 **Molecular Genetics** 7 hrs (3 lec, 1 disc, 3 lab), 4½ cr. Prereq: BIOL 300. Offered Sp. Review of classical genetics, including cytological mechanisms of inheritance, Mendelian principles, linkage and sex determination in diploids. Topics in molecular genetics compare genetic mechanisms in viral, procaryotic, and eucaryotic systems involving organization of nucleic acid into chromosomes, replication, repair, mutagenesis, recombination, and control of gene expression.

BIOL 306 **Developmental Biology** 3 hrs (lec), 3 cr. Prereq: BIOL 300. Offered Sp. Germ cells, gene amplification, fertilization, cleavage, cell surfaces, induction, regeneration, hormones, neoplasms.

BIOL 322 **Evolution** 3 hrs (lec), 3 cr. Prereq: BIOL 300. Modern synthetic theory, genetic basis of variation, gene pool in populations.

BIOL 335 **Comparative Animal Physiology** 3 hrs (lec), 3 cr. Prereq: BIOL 300. Offered Fa. Physiological adaptations: neural, chemical control, circulation, respiration, water, salt balance, temperature control.

BIOL 340 **Plant Physiology** 3 hrs (lec), 3 cr. Prereq: BIOL 300. Offered Sp. Water relations, metabolism, and morphogenesis of plants. Structure and function.

BIOL 350 **Regulation of Cell Proliferation** 3 hrs (lec), 3 cr. Prereq: BIOL 200, 202, 300, 302 or perm. inst. Offered Fa. The control of cell growth; a study of the mechanisms of action of hormones, growth factors, transforming growth factors and receptor-mediated events. Proto-oncogene products and their impact on cell proliferation will also be studied.

BIOL 400 **Laboratory in Cell Fine Structure** 4 hrs (lab), 2 cr. Prereq: BIOL 300. Offered Fa. Electron microscopy techniques, transmission microscopy, thin sectioning, negative staining. Darkroom procedures.

BIOL 450 **Individual Tutorial in Biology** 1 or 2 cr. Prereq: 18 cr in Biology, approval of 1 dept. faculty member, in addition to the sponsor. This course may be taken only once. Research paper written under the direction of a full-time faculty member in Dept. of Biological Sciences.

BIOL 460 **Introduction to Planning and Teaching of Laboratory Work in Biology** 5 hrs (2 planning, 3 lab), 2 cr. Prereq: 16 cr in BIOL, 12 cr in CHEM, 2 letters faculty rec. Participate in discussions and teaching of experiments that will best demonstrate biological concepts.

BIOL 470, 471 **Special Topics in Biology** 2 hrs (lec), 2 cr per sem. Prereq: BIOL 300. Specific area of contemporary interest in biology. Topics change from term to term.

BIOL 480-483 **Introduction to Experimental Biology** 1 or 2 cr per sem. Prereq: 18 cr BIOL, 3.2 GPA or 1 letter faculty rec. req. Individual laboratory investigation for advanced students, with guidance of faculty member. Non-honors research.

BIOL 490-493 **Honors Research in Biology** 1 or 2 cr per sem. Prereq: 18 cr BIOL, 3.2 GPA in BIOL, 2.8 overall GPA, 2 letters faculty rec. req. Laboratory research under guidance of faculty member. Candidates for honors must take this course.

† A \$15 materials fee is required.

Black & Puerto Rican Studies

Department Office West Building room 1111, phone 772-5035

Chair Henry F. Jackson

Professors Jackson, Hernandez

Associate Professors Richards, Torres-Santiago, Zentella

Assistant Professor Gordils

Instructor Edey-Rhodes, Morales, Sears

Lecturers Bain, Kassimali

Advisor Jaffer Kassimali

Unique among the academic departments at Hunter College, the Department of Black & Puerto Rican Studies was established originally on the initiative of both students and faculty.

The department is multidisciplinary with a faculty whose expertise encompasses such disciplines as anthropology, history, literature, linguistics, political science, and sociology. Its curriculum provides creative new approaches to the history, culture, and politics of Africans and peoples of African descent, throughout the world, as well as of Puerto Ricans in Puerto Rico and the United States.

In keeping with recent developments in the field, the department emphasizes an action-oriented curriculum that prepares students for graduate study and research in the social sciences and humanities, for entrance into professional schools such as law, social work, and urban studies, and for careers in government and with community agencies.

Graduates of the department have gone on to careers in journalism, counseling, teaching; some work in museums, others have entered politics, still other have careers in private industry.

Students majoring in nursing or the health sciences, psychology, political science, communications, sociology, history, and many other subject areas often choose to minor in Black & Puerto Rican Studies, particularly when their career interests include working in urban areas with Black and Puerto Rican constituents. Similarly, students preparing to teach, and therefore minoring in education, often choose to major in Black & Puerto Rican Studies.

Students may concentrate their program of study in the social science or humanities offerings of the department or in a combination thereof. This concentration may be pursued in the African sequence or Puerto Rican sequence or in a combination of both.

Distribution Requirement No courses offered toward fulfillment of the major may also be offered toward the distribution requirement. We suggest, but do not require, that students who are thinking of continuing the study of this subject on the doctoral levels select French or Spanish, Swahili or Yoruba to meet the foreign language portion of the distribution requirement.

Major The major consists of 30 credits, not including department courses taken to fulfill the distribution requirement. Courses to be taken are as follows:

1. 6 credits from among the courses BLPR 201.1–201.2, 202.2, 241, 242.
2. 3 credits from BLPR 281.1, 281.2.
3. 21 credits, of which at least 12 must be taken in 300- and 400-level courses. At least 3 credits must be taken in Puerto Rican studies if the student's concentration is in African studies and vice versa.

Minor The minor should be chosen in consultation with the student's department advisor. A student may choose 12 credits from any discipline in the humanities or social sciences, or 6 credits from each of any 2 disciplines in either the humanities or social sci-

ences. Students who wish to use the education sequence for a minor should file notice of their intention on the Registrar's Choice of Major-Minor Concentration form not later than the upper sophomore semester.

Preparation for Teaching In cooperation with the Division of Programs in Education, the Department of Black & Puerto Rican Studies provides opportunities for students to prepare for careers in teaching at the secondary and elementary level. Students who wish to qualify for licensing in New York City or certification in New York State should consult the Department of Education statement in this bulletin. Additional information can be obtained from the department's coordinator of Teacher Education Program.

COURSE LISTINGS

BLPR 100 Introduction to Black Politics 3 hrs, 3 cr. Offered D/Fa. General survey of politics of African world with major emphasis on politics in Black America.

BLPR 101 Introduction to Afro-Caribbean History 3 hrs, 3 cr. Afro-Caribbean history from 15th century to present.

BLPR 102 Caribbean Communities in New York 3 hrs, 3 cr. Survey of Latino and Afro-Caribbean migration and ethnicity, related to contemporary metropolitan life patterns and public policy topics.

BLPR 103 Conquered Peoples in America 3 hrs, 3 cr. Consequences of 19th century U.S. military, governmental, and economic intervention: Puerto Rican experience compared with Chicano, American Indian, and Afro-American experiences.

BLPR 141 Puerto Rican Folklore 3 hrs, 3 cr. Study of Puerto Rican folklore: traditional beliefs, legends, religious rites, and typical music.

BLPR 143 The Image of the Puerto Rican National Identity in Its Literature 3 hrs, 3 cr. Prereq: ENGL 120 and reading knowledge of Spanish. E/Fa. Analysis of literary work of Puerto Rican authors and image of Puerto Rican society which it portrays.

BLPR 181 Language and Ethnic Identity 3 hrs, 3 cr. Role of language in perception of self and world.

BLPR 182 Culture and Ethnic Identity 3 hrs, 3 cr. Acquaints students with social structure and world view as aspects of culture.

BLPR 201.1 African History from the Origin of Man to 1600 AD 3 hrs, 3 cr. African history as part of world history; role Africans played in development of other nations and civilizations.

BLPR 201.02 African History from 1600 AD to Present 3 hrs, 3 cr. Main currents of African history from 1600 AD to present.

BLPR 202.1 African American History I 3 hrs, 3 cr. Survey of historical experiences of African people in US from 15th century to end of Civil War.

BLPR 202.2 African American History II 3 hrs, 3 cr. Survey of historical experiences of African people in US from Reconstruction era to present.

BLPR 205 Politics of the Black Revolution: USA 3 hrs, 3 cr. Analysis of black/white conflict in US society; politics of revolution.

BLPR 206 Politics of the Black Revolution: Africa 3 hrs, 3 cr. (Cross-listed with POLSC 206). Politics of revolution and social change in present-day Africa.

BLPR 207 Afro-Caribbean Politics I 3 hrs, 3 cr. Examines political economy of slavery and colonialism, and responses of Caribbean people from 1492 to political independence.

BLPR 208 Afro-Caribbean Politics II 3 hrs, 3 cr. Prereq: BLPR 207. Begins with attainment of political independence by major Caribbean countries; focuses on nation-building.

BLPR 211 Black Economic History 3 hrs, 3 cr. Survey of economic behavior of Black Americans since 1619, with African background.

BLPR 220 Afro-American Humanism 3 hrs, 3 cr. Investigation into nature and expression of unique ethos which made for survival of Afro-American humanity.

BLPR 222 African Civilization 3 hrs, 3 cr. Introduction to study of African civilization from Afrocentric perspective.

BLPR 235 African Literature 3 hrs, 3 cr. Prereq: ENGL 120. Introduction to contemporary African literature written both in English and in French.

BLPR 236 Afro-American Literature 3 hrs, 3 cr. Prereq: ENGL 120. Introduction to Afro-American writing, from earliest expressions to present.

BLPR 237 Afro-Caribbean Literature 3 hrs, 3 cr. Prereq: ENGL 120. Introduction to poetry, novels, and "protest" literature of the English-, French-, and Spanish-speaking islands of Caribbean.

BLPR 241 Puerto Rican History I 3 hrs, 3 cr. Puerto Rican history from Taino culture in 15th century to end of Spanish colonialism in 19th century.

BLPR 242 Puerto Rican History II 3 hrs, 3 cr. Analysis of socio-historical processes of 20th-century Puerto Rican history.

BLPR 243 Puerto Rican Culture 3 hrs, 3 cr. General study of Puerto Rican culture and ethnic mixtures that went into making of that culture.

BLPR 244 Puerto Ricans in the United States 3 hrs, 3 cr. Survey of the origins, contemporary and future life patterns of continental Puerto Ricans.

BLPR 245, 246 Puerto Rican Literature I & II 3 hrs, 3 cr each. Prereq: ENGL 120 and reading knowledge of Spanish. Social and intellectual study of periods of Puerto Rican literature: movements, authors, works.

BLPR 247 Puerto Ricans in the US as a Literary Theme 3 hrs, 3 cr. Prereq: ENGL 120 and reading knowledge of Spanish. Analysis of literary texts dealing with Puerto Rican communities in U.S. and their migration experiences.

BLPR 248 Spanish Language in Puerto Rico 3 hrs, 3 cr. Prereq: reading knowledge of Spanish. Survey of literature on structural analysis of Puerto Rican Spanish.

BLPR 255 The Puerto Rican Child in American Schools 3 hrs, 3 cr. Survey of educational system viewed as an enculturating institution.

BLPR 270 Economic History of Puerto Ricans 3 hrs, 3 cr. Prereq: BLPR 242 or 244. Stages of change in economic structures and labor conditions among Puerto Ricans in Puerto Rico and the US.

BLPR 276 The Puerto Rican Family 3 hrs, 3 cr. Investigation of structure and function of Puerto Rican family as integrating unit on island and mainland.

BLPR 281.1, 281.2 Fieldwork in Local Ethnic Communities I and II 3 hrs, 3 cr each. Fieldwork involvement and sociopolitical analysis of a community organization in Black and/or Puerto Rican community.

BLPR 290 Selected Topics in Black and Puerto Rican Studies 3 hrs, 3 cr. Experimental course. Topics change according to instructor.

BLPR 304 Men and Movements of Black Urban Ghetto 3 hrs, 3 cr. Prereq: BLPR 202.1, 202.2. Personalities and movements that have influenced Black ghettos of United States; focuses mainly on 20th century.

BLPR 306 Modern African International Relations 3 hrs, 3 cr. Prereq: BLPR 206 or perm. dept. Factors affecting relations among African states and between African and non-African states within international system.

BLPR 307 Contemporary African Politics 3 hrs, 3 cr. Study of post-independence nationalism, political systems, regional and inter-nation cooperation of African nations.

BLPR 308 Contemporary International Relations of the Afro-Caribbean 3 hrs, 3 cr. Examination of use of foreign policy for economic development in Caribbean and as instrument of transformation.

BLPR 309 Afro-Americans and Africa 3 hrs, 3 cr. Prereq: BLPR 202.1, 202.2. Major evidence of Black American involvement and interest in Africa from 1775 to present.

BLPR 313 Slavery 3 hrs, 3 cr. Prereq: BLPR 202.1 or perm. inst. Historical overview of slavery from antiquity to slavery in Americas. Evolution as critical factor.

BLPR 314 Blacks in Labor and Politics 3 hrs, 3 cr. Prereq: BLPR 202.2, 205, or perm. inst. Black labor from emancipation to present. Emphasis on period between New Deal and present.

BLPR 318 Women in Africa 3 hrs, 3 cr. Prereq: BLPR 222 or perm. inst. Examination of African womanhood in traditional setting during colonialism and neo-colonialism, independence, and revolution.

BLPR 319 Afro-American Woman 3 hrs, 3 cr. Prereq: BLPR 202.2 or perm. inst. African American woman in Black experience; struggle for liberation, Black family, and sustaining of Black culture.

BLPR 320 African-Caribbean Culture 3 hrs, 3 cr. Prereq: BLPR 101 or 222. Anthropological study of culture of Caribbean peoples of African descent: African roots, slavery, and contemporary life styles.

BLPR 322 African World View: Philosophy and Symbolic Thought 3 hrs, 3 cr. Prereq: BLPR 222 or perm. inst. Offered every other sem. Examination of African religious systems, metaphysical conceptions, and philosophy.

BLPR 323 Islam and Christianity in Africa 3 hrs, 3 cr. Prereq: BLPR 222 or perm. inst. Examination of relationship of Islam and Christianity to primary African religion and their political role in African history.

BLPR 324 Afro-American Ethnohistory 3 hrs, 3 cr. Prereq: BLPR 220 or perm. inst. Ethnohistorical survey of development of Black culture in the diaspora; reinterpretation of African forms in Western European environment.

BLPR 330 Autobiography as a Special Theme in Black Literature 3 hrs, 3 cr. Prereq: ENGL 120. Offered every other year. Treatment of autobiographical works of Black authors in US, Caribbean, and Africa during 19th and 20th centuries.

BLPR 336 Afro-American Women Writers 3 hrs, 3 cr. Prereq: BLPR 236 or perm. inst. Afro-American female author from slavery to present: novels, short stories, essays, plays, poetry, teenage fiction, and children's books.

BLPR 342 Political Nationalism in Puerto Rico 3 hrs, 3 cr. Analyzes nationalist ideology in Puerto Rico: its impact on contemporary political movements and economy.

BLPR 351 Major Puerto Rican Figures 3 hrs, 3 cr. Prereq: BLPR 241. Theorists, poets, and statesmen in formation of Puerto Rican nationality.

BLPR 352 Power Structure in Puerto Rico 3 hrs, 3 cr. Historical survey of colonial policies since 16th century; Puerto Rican political movements and parties.

BLPR 355 Spanish Afro-Antillean Poetry 3 hrs, 3 cr. Prereq: reading knowledge of Spanish. The Black theme in Antillean poetry through its main figures.

BLPR 360 Party Politics in Puerto Rico 3 hrs, 3 cr. Prereq: reading knowledge of Spanish. Study of history and relations of political parties in Puerto Rico as basic component of Puerto Rican culture.

BLPR 362 Folk Religion in Puerto Rico 3 hrs, 3 cr. Prereq: BLPR 141 or 243. Reading knowledge of Spanish suggested. Analysis of roots of folk religion in Indian, African, and Spanish cultures. Religious syncretisms, popular imagery, and ritual practices.

BLPR 370 Sociolinguistic Fieldwork in Black and Puerto Rican Speech Communities 3 hrs, 3 cr. Prereq: BLPR 181 or ANTHC 151 or 351. Sociolinguistic theory applied to linguistic varieties spoken in Afro-American, Afro-Caribbean, Puerto Rican, and other Hispanic communities.

BLPR 384 Poverty in Society 3 hrs, 3 cr. Causes and effects of various kinds of deprivation with emphasis on Black and Puerto Rican society.

BLPR 387 Puerto Rican Ethnic Politics in New York 3 hrs, 3 cr. Survey of Puerto Rican political movements and leaders in Puerto Rican society of New York.

BLPR 390 Problems in Black and Puerto Rican Studies 3 hrs, 3 cr. Jr/Sr only. Experimental course. Topics change according to instructor.

BLPR 401 Pan-Africanism 3 hrs, 3 cr. Prereq: BLPR 206, 201, or 202. Not open to freshmen. Seminar traces development of Pan-Africanism through the 20th century.

BLPR 402 Afro-American Political Thought 3 hrs, 3 cr. Prereq: BLPR 205 or 202. Comparative theorists; methods and ideological currents.

BLPR 403 Development Strategies in the Afro-Caribbean 3 hrs, 3 cr. Analysis of developmental strategies used by Caribbean nations after independence.

BLPR 420 The Black Church and Social Change 3 hrs, 3 cr. Prereq: BLPR 201.1 or 201.2 or perm. inst. In-depth study of the sociopolitical role of Black church in political struggle of Black people with special emphasis on America.

BLPR 428.1, 428.2 Selected Topics in Black Studies: Social Science 3 hrs, 3 cr each. Prereq: perm. dept. Experimental course. Topics change according to instructor.

BLPR 442 History of Puerto Rican Labor Movement 3 hrs, 3 cr. Historical development of Puerto Rican working class, its movements and organizations from 19th century to present.

BLPR 499 Honors 3 hrs, 3 cr. Prereq: perm. dept; upper Jr/Sr with 2.8 cumulative GPA, 3.2 major GPA. Individual research, honors essay under direction of a department member.

SWA 101, 102 Swahili I, II 3 hrs, 3 cr each. Credit for SWA 101 is not given until SWA 102 is completed. Introduction to Swahili, pronunciation and elements of grammar.

SWA 201 Swahili III 3 hrs, 3 cr. Prereq: SWA I and II or demonstrated competence in speaking and writing. Grammar review, composition, oral practice.

SWA 202 Swahili IV 3 hrs, 3 cr. Prereq: SWA III or demonstrated competence as a native speaker. Review of morphology and syntax, original composition, intensive oral practice.

YOR 101, 102 Yoruba I, II 3 hrs, 3 cr each. Credit for YOR 101 is not given until YOR 102 is completed. Elementary Yoruba. Introduction to language and culture of Yoruba people of Nigeria.

YOR 201 Yoruba III 3 hrs, 3 cr. Prereq: YOR II or demonstrated competence in speaking and writing. Writing and reading of Yoruba language, including study of grammar and syntax.

YOR 202 Yoruba IV 3 hrs, 3 cr. Prereq: YOR III or demonstrated competence as a native speaker. Intensive writing and reading of Yoruba language and continuation of study of grammar and syntax.

Chemistry

Department Office North Building room 1307, phone 772-5330

Chair M. H. J. Wijnen

Professors Barrett, Beveridge, Dannenberg, Franck, Hecht, Lavalée, Massa, Santoro, Tomasz, Wijnen

Associate Professors Diem, Grohmann, Grossman, Sweeney

Assistant Professors Broido, Day, Goss

Advisors (day) William Grossman (evening) Charles Hecht

The Department of Chemistry offers courses to prepare the science major for professional work and further study in chemistry and other fields of pure and applied science. Courses for the non-science major are designed to present those essentials of chemical fact and theory which will contribute to the student's understanding of present-day scientific knowledge.

Distribution Requirement No more than 2 chemistry courses may also be offered toward the distribution requirement. We suggest, but do not require, that students who are thinking of continuing the study of chemistry on the doctoral level elect German, French, or Russian to meet the foreign language portion of the distribution requirement. We also recommend that students learn a programming language.

No chemistry course can satisfy the distribution requirement unless credit has been earned in both lecture and corresponding lab.

Major There are two chemistry majors: Major I, a 40-credit concentration, is designed to prepare the student with intensive training for professional research and graduate study. Major II, a 26-credit concentration, when combined with a 12-credit approved allied minor, will prepare the student for a career in medicine, dentistry, industry, or teaching.

Students considering a chemistry major should consult the departmental advisor during their first semester to plan the proper sequence of courses, and they are urged to consult with the advisor at least once each succeeding semester. General Chemistry I and II, lecture and lab, are prerequisites for admission to both Major I and Major II.

Chemistry Major I The requirements for this major consist of 40 credits in chemistry. There is no allied minor. This major is recommended for students preparing for admission to graduate school or for careers in chemical research. It will also be useful to students seeking a position in the chemical or allied industries, as it is accredited by the Committee on Professional Training of the American Chemical Society.

The 40-credit major consists of CHEM 222 with 223, 224 with 225, 352, 354 or 356 with 255, 257, 349, and 366. In addition, 2 additional lecture courses must be chosen from among the following: CHEM 322, 354 or 356, 376, 377, and 345. Also acceptable for completion of Major I are PHYS 330, PHILO 362 or 368. Students should be aware, however, that if either of the philosophy courses is used to complete the Major I requirements, the major will not be eligible for accreditation by the American Chemical Society. One year of physics, PHYS 111 and 121, and 4 semesters of mathematics, MATH 150, 155, 250, and 254, are also required for this major; CHEM 249, MATH 150 and 155, and PHYS 121 are prerequisites for CHEM 352 and should be completed by the end of the sophomore year. College Russian or German sufficient to meet Hunter's distribution requirement in foreign languages is required.

Major I is required of all students who wish to be considered for certification by the American Chemical Society upon graduation. It is recommended for all students intending to enter the profession of chemistry either via graduate study or via employment in industry or government.

Students who can attend only in the evenings should consult the department advisor regarding the feasibility of completing chemistry major I.

Chemistry Major II The requirement for this major consists of 26 credits in chemistry with 12 credits of an approved minor. The 26 credits are obtained from the following courses: CHEM 222 with 223, 224 with 225, 249, 352, 354 or 356 with 255, and 257. One year of physics, PHYS 111 and 121, and 3 semesters of mathematics, MATH 150, 155, and 250, are also required for Major II. Majors must satisfy the College foreign language requirement and may select the language of their choice. Major II is recommended for those preparing for admission to medical and dental schools, certification as secondary school teachers of chemistry, and positions in the chemical industry.

Minors for Major II Any combination of the required physics and math courses, totaling 12 credits, may be used as a minor. If students prefer to elect a different minor, they must consult with the department advisor or chair.

Honors Work Opportunity for individual research experience is provided by an honors course, CHEM 491—Introduction to Research.

Electives Advanced lecture courses in special areas of chemistry, and lab courses providing training in inorganic and organic chemistry and in research techniques, are offered as electives for Major I and are open to students enrolled in Major II who have fulfilled the course prerequisites.

Graduate Study Qualified chemistry majors may be admitted to 700-level courses in the graduate program. Permission of the department is required.

Preparation for Teaching In cooperation with the Division of Programs in Education, the Department of Chemistry provides oppor-



tunities for students to prepare for careers in teaching at the secondary level in the areas of chemistry and general science. Students who wish to qualify for the New York City licensing and/or New York State certification for teaching in secondary schools should consult the Programs in Education statement in this bulletin.

EDUC 362, a course in methods of teaching chemistry in secondary schools, is provided as an option for accepted seniors.

In addition to a course in methods of teaching chemistry or general science, students preparing to teach in secondary schools must take 16 credits in education. Details of these requirements and all descriptions of education courses, including the courses in methods, will be found in the Programs in Education statement in this catalogue.

COURSE LISTINGS

CHEM 100 Essentials of General Chemistry Lecture* 3 hrs, 3 cr. Course presents essential facts, laws, and theories of general chemistry.

†**CHEM 101 Essentials of General Chemistry Laboratory*** 3 hrs, 1½ cr. Prereq or coreq: CHEM 100. Experiments designed to illustrate fundamental laws and techniques of general chemistry.

CHEM 102 General Chemistry I** 3 hrs, 3 cr. Coreq: CHEM 103; strongly recommended: completion of 11th yr algebra or MATH 121. In-depth introduction to stoichiometric calculations, thermodynamics, redox reactions, electrochemistry, and chemical equilibrium.

†**CHEM 103 General Chemistry Laboratory I**** 4 hrs (3 lab, 1 recit), 1½ cr. Prereq or coreq: CHEM 102. Study of experiments designed to illustrate fundamental laws and techniques of chemistry.

CHEM 104 General Chemistry II** 3 hrs, 3 cr. Prereq: CHEM 102 and 103, or CHEM 100 with perm. chair; coreq: CHEM 105. In-depth introduction to atomic and molecular structure and chemical bonding.

†**CHEM 105 General Chemistry Laboratory II**** 3 hrs, 1½ cr. Prereq: CHEM 103; Prereq or coreq: CHEM 104. Laboratory experiments illustrating and applying theory of solutions to qualitative analysis.

CHEM 120 Essentials of Organic Chemistry Lecture* 3 hrs, 3 cr. Prereq: CHEM 100; prereq or coreq: CHEM 101. Course presents essential facts, laws, and theories of organic chemistry.

†**CHEM 121 Essentials of Organic Chemistry Laboratory*** 3 hrs, 1½ cr. Prereq or coreq: CHEM 120; prereq: CHEM 101. Experiments designed to illustrate fundamental laws and techniques of organic chemistry.

CHEM 222, 224 Organic Chemistry Lectures I and II 3 hrs, 3 cr each. Prereq: CHEM 104 and 105; for CHEM 224, CHEM 222. Structure, bonding, and reactions of organic molecules. Synthesis, stereochemistry, spectroscopy, reaction mechanisms.

CHEM 223 Organic Chemistry Laboratory I 5 hrs, 2½ cr. Prereq: CHEM 105; prereq or coreq: CHEM 222. Offered E/Fa, D/Fa, Sp. Various organic syntheses, crystallization, distillation, extraction, chromatography, qualitative analysis, spectroscopy.

CHEM 225 Organic Chemistry Laboratory II 5 hrs, 2½ cr. Prereq: CHEM 222, 223; prereq or coreq: CHEM 224. Offered D/Fa, Sp; E/Sp. Continuation of CHEM 223.

CHEM 249 Quantitative Analysis 9 hrs (3 lec, 6 lab), 6 cr. Prereq: CHEM 104 and 105. Offered E/Fa, D/Sp. General survey of modern quantitative methods, emphasizing acid-base and redox equilibria and chemical separations.

CHEM 255/257 Physical Chemistry Laboratory I and II 3 hrs, 1½ cr each. Prereq: CHEM 249; prereq or coreq: CHEM 352. Laboratory course involving experiments based on topics covered in CHEM 352 and 354 on chemical systems.

CHEM 291 Chemical Investigations 4 hrs, 1 cr or 8 hrs, 2 cr. Prereq: CHEM 224 and perm. chair; coreq or prereq: CHEM 249. Original chemical investigations under supervision of faculty member. Written report required. Enrollment for maximum of 2 semesters.

CHEM 322 Organic Chemistry Lecture III 3 hrs, 3 cr. Prereq: CHEM 224 and perm. inst. Selected topics such as advanced synthesis, reaction mechanisms, MO theory, natural products, NMR spectroscopy.

CHEM 345 Computers in Chemistry 5 hrs (2 lec, 3 lab), 3 cr. Prereq: CHEM 352 or perm. inst. Laboratory data acquisition, reduction, instrument control. Graphics. Hands-on laboratory. No previous programming experience necessary.

CHEM 349 Instrumental Analysis 8 hrs (2 lec, 6 lab), 5 cr. Prereq: CHEM 354 or 356 with 255. Offered D/Fa. Principles of modern instrumental techniques; emphasis on spectroscopic and electrometric methods.

CHEM 352 Physical Chemistry I 3 hrs, 3 cr. Prereq: CHEM 249, MATH 155, PHYS 121. Ideal and real gases. Laws of thermodynamics with applications to properties of solutions and phase equilibria in general.

CHEM 354 Physical Chemistry II-F 3 hrs, 3 cr. Prereq: CHEM 352, MATH 250. Offered Fa. Selected topics from statistical thermodynamics, electrochemistry, kinetic theory, and rate processes.

CHEM 356 Physical Chemistry II-S 3 hrs, 3 cr. Prereq: CHEM 352, MATH 250. Offered Sp. Selected topics from quantum chemistry, molecular structure, and spectroscopy.

CHEM 366 Inorganic Chemistry 3 hrs, 3 cr. Prereq: CHEM 352. Offered D/Fa. Treatment of structure, bonding, and reactivity of inorganic compounds.

CHEM 376 Biochemistry I 3 hrs, 3 cr. Prereq: CHEM 224. Offered Fa. Chemical aspects of protein structure and function, fundamentals of bioenergetics, biochemical mechanisms of gene replication and expression.

CHEM 377 Biochemistry II 3 hrs, 3 cr. Prereq: CHEM 376 or BIOL 300 or perm. inst. Offered Sp. Biosynthesis of lipids, amino acids, carbohydrates. Muscle contraction, hormones, immune response, DNA sequencing, origin of life.

NOTE: No student may receive credit for both CHEM 100–101 and 102–103, or for CHEM 120–121 and 222–223.

* CHEM 100–101 and 120–121 are primarily for nursing, nutrition and food science, and health science students.

** CHEM 102–105 are primarily for pre-med, medical laboratory technician, and science majors.

† These courses require a \$15 materials fee.

CHEM 388 Topics of Current Interest in Chemistry 1, 2, or 3 hrs, 1, 2, or 3 cr. Prereq: CHEM 224, 354, and perm. inst. Taught by specialists from department staff. Topics which have been offered, subject to adequate student interest and enrollment, include principles of chemical processes, chemical literature and documentation, radiochemistry, inorganic preparations, chemistry of organic heterocycles, group theory, and polymer chemistry.

Honors Course

CHEM 491 Introduction to Research 4 hrs, 1 cr or 8 hrs, 2 cr. Prereq: CHEM 224, 354, 349, Jr/Sr only; perm. chair. Similar to CHEM 291. Written report required. Fulfills requirement for departmental honors course.

CHINESE

DIVISION OF CLASSICAL AND ORIENTAL STUDIES

Division Office West Building room 1429, phone 772-4965

Director Lionel Tsao

Associate Professor Tsao

Assistant Professor Huang

Advisors (day) Lionel Tsao (evening) Kenny Huang

The Chinese Division offers courses in Chinese (Mandarin) language and literature and in Chinese culture. It participates in interdepartmental and interdisciplinary programs and works closely with these programs in curricular planning. Many majors go on to graduate school, in the United States or abroad, upon completing their bachelor's degree. Others find their knowledge of Chinese useful in a variety of careers, e.g., government service, business, journalism, or bilingual education.

Distribution Requirement Chinese language courses may be used to fulfill the foreign language requirement. CHIN 111 and 112 may be used to fulfill Category V of the distribution requirement.

Major The major consists of 24 credits chosen from the following CHIN-prefixed courses: 201, 202, 207, 301, 302, 303, 304, 307, 401, 402.

Minor The minor consists of a minimum of 12 credits beyond CHIN 101-102.

Allied Minor A Chinese major may take a minor in any department or program but may not apply to the minor more than 6 credits also offered for the distribution requirement.

Advanced Placement Students who elect Chinese as their required language and have studied the language abroad or at home must consult the head of the Chinese Division for advanced placement or exemptions.

Electives All courses, unless otherwise stated in course descriptions, are open to qualified students majoring in other disciplines.

COURSE LISTINGS

CHIN 101, 102 Elementary Chinese I & II 3 hrs each sem, 6 cr. Offered D, E/Fa; D, E/Sp. Beginning course in Mandarin. First 4 weeks devoted to pronunciation and basic structure, in romanization only; characters introduced thereafter. CHIN 101 not credited without 102.

CHIN 103 Elementary Chinese Conversation I 2 hrs, 2 cr. Offered D/Fa. Intensive practice in Mandarin; emphasis on pronunciation and basic sentence patterns. Sister course to CHIN 101. Recommended to non-Mandarin speakers.

CHIN 104 Elementary Chinese Conversation II 2 hrs, 2 cr. Offered D/Sp. Prereq: CHIN 103 or equiv. Continuation of CHIN 103. Sister course to CHIN 102.

CHIN 105 Chinese Calligraphy I 2 hrs, 1 cr. Theory and practice of Chinese calligraphy as an art. No knowledge of Chinese required; open to all students.

CHIN 106 Chinese Calligraphy II 2 hrs, 1 cr. Prereq: CHIN 105 or equiv. Continuation of CHIN 105. May be repeated for additional semesters.

CHIN 107 Intensive Elementary Chinese 6 hrs, 6 cr. Offered D/Su. Equiv. of CHIN 101 and 102.

CHIN 111 Chinese Culture I 3 hrs, 3 cr. Offered D, E/Fa, Sp. Introduction to Chinese culture with emphasis on classical tradition. Lectures and readings in English.

CHIN 112 Chinese Culture II 3 hrs, 3 cr. Emphasis on modern transformation against background of classical tradition. Lectures and readings in English.

CHIN 201 Intermediate Chinese I 3 hrs, 3 cr. Prereq: CHIN 102 or equiv. Offered D, E/Fa. Reading of literature in *pai-hua* (vernacular style) with emphasis on structural use of "function words" and vocabulary-building.

CHIN 202 Intermediate Chinese II 3 hrs, 3 cr. Offered D, E/Sp. Prereq: CHIN 201 or equiv. Continued reading of literature in *pai-hua*.

CHIN 203 Intermediate Chinese Conversation I 2 hrs, 2 cr. Prereq: CHIN 104 or equiv. Offered D/Fa. Sister course to CHIN 201. Intensive practice in Mandarin at 3rd-semester level.

CHIN 204 Intermediate Chinese Conversation II 2 hrs, 2 cr. Prereq: CHIN 203 or equiv. Offered D/Sp. Sister course to CHIN 202. Intensive practice in Mandarin at 4th-semester level.

CHIN 207 Intensive Intermediate Chinese 6 hrs, 6 cr. Offered D/Su. Equiv. of CHIN 201 and 202.

CHIN 211 Topics in Chinese Culture 3 hrs, 3 cr. Topics include Chinese religion, Buddhism, archaeology, Taoism, and theatre.

CHIN 251 Topics in Chinese Literature in English Translation 3 hrs, 3 cr. Including 20th-century literature, contemporary literature.

CHIN 301 Journalistic Chinese Literature I 3 hrs, 3 cr. Prereq: CHIN 202 or equiv. Offered D/Fa. Intensive reading and translation of literature written in journalistic style.

CHIN 302 Journalistic Chinese Literature II 3 hrs, 3 cr. Prereq: CHIN 301 or equiv. Offered D/Sp. Extensive reading and translation of literature written in journalistic style.

CHIN 303 Classical Chinese Literature I 3 hrs, 3 cr. Prereq: CHIN 301 or equiv. Offered D/Fa. Intensive study of literature written in *Wen-yen* or classical style, with attention to basic problems of syntax and literary styles.

CHIN 304 Classical Chinese Literature II 3 hrs, 3 cr. Prereq: CHIN 303 or equiv. Offered D/Sp. Continuation of CHIN 303. Selected readings in literature written in *Wen-yen* or classical style.

CHIN 306 20th-century Chinese Literature 3 hrs, 3 cr. Prereq: CHIN 202 or equiv. Selected readings of leading thinkers and writers.

CHIN 307 Classical Chinese Poetry 3 hrs, 3 cr. Prereq: CHIN 303 or equiv. Close textual and stylistic analysis of texts selected from standard verse forms, with emphasis on Tang shih and Sung Tz'u.

CHIN 355 Classical Chinese Fiction in English Translation 3 hrs, 3 cr. Introduction to Chinese fictional writings from early times to 19th century, e.g. *Dream of the Red Chamber*, *Monkey*, *All Men Are Brothers*, *Romance of the Three Kingdoms*.

CHIN 357 Chinese Poetry in English Translation 3 hrs, 3 cr. Major poets from the earliest times to the present day, with emphasis on the Tang period.

CHIN 401 Advanced Studies in Chinese Literature 3 hrs, 3 cr. Prereq: CHIN 302 or equiv., perm. chair. Including 20th-century literature, poetry; etymology and vocabulary building; Chinese-English translation.

CHIN 402 Independent Study in Chinese Literature 3 hrs, 3 cr. Prereq: CHIN 302 or 304 or equiv., majors only; perm. chair. Independent study and research in Chinese literature under supervision of a faculty member.

Courses not offered in 1986-88:

CHIN 151 Survey of Chinese Literature in English Translation

CHIN 311 Selected Studies in Chinese Culture

CHIN 341 Chinese Linguistics

CLASSICS

DIVISION OF CLASSICAL AND ORIENTAL STUDIES

The Department consists of the Classics, Chinese, Hebrew, and Russian divisions. Classics programs are listed below; others appear alphabetically elsewhere in this catalogue.

Department Office West Building room 1425, phone 772-4960

Chair Tamara M. Green

Professors Pomeroy

Associate Professors Elder, Green, Rotroff, White

Assistant Professors Ancona, Haft, Russo

Advisors (day) Tamara M. Green (evening) Julia C. Russo

The ancient cultures of Greece and Rome have shaped much of our own civilization: our government, education, and even our ways of thinking. The themes and ideas of classical mythology and literature deeply influenced the development of the art, music, and literature of Western Europe; classical studies thus can provide the keys to understanding both other cultures and our own.

The Classics Division offers a full range of studies in the worlds of ancient Greece, Rome, and the Mediterranean, from a single course in classical myth or Egyptian archaeology to majors in Greek, Latin, classical archaeology, or classical studies. Students who want to know about the classical world without learning its languages can choose from courses in civilization, literature, myth and religion, and archaeology. In addition, the division participates in Hunter's interdepartmental programs in religion, comparative literature, archaeology, and women's studies.

Careers in research, government, and education use skills developed in classical studies, and a major in classics provides an excellent foundation for many professional programs, such as law. In addition, specialized careers—college and high school teaching, museum work, library cataloging—are open to professional classicists and archaeologists.

Distribution Requirement Greek or Latin may be taken to fulfill the foreign language component (III) of the distribution requirement. One of the following courses may be taken to fulfill the Humanities component (V-3): CLA 101, 110, 201, 203, 220, 225, 226, 227. A literature course in translation, CLA 250, 251, or 253, may be taken to fulfill part of the Literature requirement (IV-2).

Majors Students who wish to major in classics have 5 choices:

1. *Greek* 24 credits of Greek above 101–102, and a corequisite of LAT 101–102 or equivalent.
2. *Latin* 24 credits of Latin above 101–102, and a corequisite of GRK 101–102 or equivalent.
3. *Greek and Latin* 18 credits each of Greek and Latin (may include 101–102).
4. *Classical Studies* 12–14 credits of either Greek or Latin, including 101–102, and 12 credits of classics courses given in English (CLA prefix).
5. *Classical Archaeology* 24 credits from the interdepartmental course pool, including CLA 220, 221, and 222 with a corequisite of 12–14 credits of Greek or Latin. Offered within the interdepartmental archaeology major.

Minors 12 credits in Greek, Latin, classical studies, or classical archaeology. Courses used for the distribution requirement may also be used for the major or minor where applicable. Each course is credited separately, with the exception of GRK 101–102 and LAT 101–102.

Honors, Tutorials, Preparation for Secondary School Teaching
Consult the department chair for these special programs.

COURSE LISTINGS

Ancient Culture

CLA 101 Classical Mythology 3 hrs, 3 cr. Greek and Roman myth as represented in ancient art and literature, with emphasis on modern interpretations and theories.

CLA 110 The Greek and Latin Roots of English 3 hrs, 3 cr. Offered every semester. Elements of language structure; how languages work; Greek and Latin to help vocabulary building and clear writing.

CLA 201 Greek Civilization 3 hrs, 3 cr. Ancient Greek culture: art and literature, religion, philosophy, economics, politics, education, and athletics.

CLA 202 Hellenistic Civilization 3 hrs, 3 cr. The Mediterranean world after Alexander the Great: synthesis of Greek and oriental cultures.

CLA 203 Roman Civilization 3 hrs, 3 cr. Ancient Roman culture: art and literature, law, architecture, engineering, economics, popular culture, leisure activities.

CLA 210 The Greek and Roman Theatre 3 hrs, 3 cr. Components and functions of classical theatre: myth and ritual; mask and costume; staging and production; buildings.

CLA 302 Comparative Backgrounds of Classical Mythology 3 hrs, 3 cr. Mythological systems that bear on classical myth, including Egyptian, Mesopotamian, Hittite, Ugaritic, and Celtic myths.

CLA 303 Religion of Ancient Greece 3 hrs, 3 cr. The Ancient Greek religious experience: official rites, mystery cults, oracles, personal religious belief, and practice.

CLA 304 Pagans and Christians 3 hrs, 3 cr. Transformation of classical culture in late antiquity: religion, philosophy, mysticism, magic, astrology.

CLA 305 Women and Slaves in Classical Antiquity 3 hrs, 3 cr. Women and slaves in Greek and Roman society and origins of Western attitudes about sex and class.

CLA 306 Special Studies in Ancient Greek Culture 3 hrs, 3 cr. Offered every year. Examination of specific areas of Greek life. Topics vary from year to year.

CLA 307 Special Studies in Ancient Roman Culture 3 hrs, 3 cr. Offered every year. Examination of specific areas of Roman life. Topics vary from year to year.

Classical Literature (In English)

CLA 250 Greek and Roman Tragedy 3 hrs, 3 cr. Prereq: ENGL 120. A study of plays of Aeschylus, Sophocles, Euripides, and Seneca in their literary, religious, and social contexts.

CLA 251 Ancient Comedy 3 hrs, 3 cr. Prereq: ENGL 120. Aristophanes, Menander, Plautus, and Terence, with a consideration of their influence on Western comic tradition.

CLA 253 Homer and Vergil 3 hrs, 3 cr. Prereq: ENGL 120. Ancient narrative song and poetry, with emphasis on the *Iliad* and *Odyssey* of Homer and the *Aeneid* of Vergil.

Archaeology

CLA 220 Aegean Archaeology 3 hrs, 3 cr. Crete, Greece, and the islands in Bronze Age. Knossos, Thera, Mycenae. Painting, jewelry, pottery, daily life.

CLA 221 Greek Archaeology 3 hrs, 3 cr. Prereq: CLA 201. Greece from Archaic to Hellenistic period: culture, Greek cities overseas, daily life; Delphi, Olympia, Athens.

CLA 222 Roman Archaeology 3 hrs, 3 cr. Prereq: CLA 203. Etruscans, Roman Italy, and the Empire: Pompeii, Rome, Roman cities overseas; glass, mosaics, sarcophagi, pottery.

CLA 225 Archaeology of Egypt 3 hrs, 3 cr. Sites, cultures, and styles of ancient Egypt, Giza, Thebes, Amarna; hieroglyphs, literature, tombs, religion, daily life.

CLA 226 Archaeology of Western Mediterranean 3 hrs, 3 cr. Ancient Sicily, Sardinia, Malta, Spain, and Italy, chiefly in Bronze Age. Main sites and cultures.

CLA 227 Archaeology of Eastern Mediterranean 3 hrs, 3 cr. Cyprus, Southern Anatolia, Phoenicia, and Palestine, especially in Bronze Age.

CLA 322 Archaeology of Mesopotamia 3 hrs, 3 cr. Sites, cultures, and styles of ancient Mesopotamia. First villages, tombs of Ur, ziggurats, palaces, tablet literature.

CLA 323 Archaeology of Iran and Anatolia 3 hrs, 3 cr. Anatolia: Troy, Hittites, royal tombs of Lycia and Phrygia. Persia: Elamite civilization and Susa; Persepolis.

CLA 327 Celtic Archaeology and Civilization 3 hrs, 3 cr. Celts 500 BC–500 AD: Ireland to Czechoslovakia; main sites, artifacts, and texts. Religion, art, and daily life.

CLA 329 Problems in Archaeology 3 hrs, 3 cr. Exploration in depth of particular area or period in Old World archaeology. Topics vary.

CLA 330 Field Seminar in Archaeology maximum 6 cr. Fieldwork, undertaken during a school semester or summer, under auspices of department or in an approved program, teaching excavation, or field school.

Special Courses

CLA 240 Topics in Classics 3 hrs, 3 cr. Offered every year. Examination of specific areas of classical culture, such as literature, language, or numismatics.

CLA 301 Research Methods in Classical Studies 1 hr, 1 cr. Perm. dept. Methods of research, including criticism, papyrology, epigraphy, historiography, numismatics, and archaeology.

CLA 340 Topics in Classics 3 hrs, 3 cr. Perm. dept. Individual research and reading under direction of member of Classics Department.

CLA 421 Independent Study in Classics 1–3 cr. Perm. chair.

CLA 491 Honors in Classics 3 hrs, 3 cr. Prereq: Sr only, perm. dept. Individual research under direction of member of department, culminating in essay approved by Honors Committee.

CLA 498 Inservice 1–6 cr. Perm. dept.

MODGK 301 Independent Study in Modern Greek 3 cr. Prereq: knowledge of modern Greek. Offered every year. Independent reading in modern Greek literature; research paper and translation examination.

Greek

GRK 101, 102 Beginning Greek 8 hrs, 8 cr. 101 offered every Fa, 102 offered every Sp.

GRK 107 Beginning Greek Intensive 6 cr. Offered summer only.

GRK 110 Greek Reading 3 hrs, 3 cr. Prereq: GRK 102 or equiv. Offered every Fa.

GRK 202 Plato 3 hrs, 3 cr. Prereq: GRK 110 or equiv.

GRK 203 Homer 3 hrs, 3 cr. Prereq: GRK 110 or equiv.

GRK 220 Koine Greek 3 hrs, 3 cr. Prereq: GRK 110 or equiv. Offered summer only.

GRK 301 Plato II 3 hrs, 3 cr. Prereq: GRK 202 or equiv.

GRK 302 Euripides 3 hrs, 3 cr. Prereq: GRK 202 or equiv.

GRK 303 Greek Lyric Poetry 3 hrs, 3 cr. Prereq: GRK 202 or equiv.

GRK 304 Aristophanes and Menander 3 hrs, 3 cr. Prereq: GRK 202 or equiv.

GRK 305 Attic Orators 3 hrs, 3 cr. Prereq: GRK 202 or equiv.

GRK 307 Sophocles 3 hrs, 3 cr. Prereq: GRK 202 or equiv.

GRK 308 Aeschylus 3 hrs, 3 cr. Prereq: GRK 202 or equiv.

GRK 309 Herodotus 3 hrs, 3 cr. Prereq: GRK 202 or equiv.

GRK 310 Thucydides 3 hrs, 3 cr. Prereq: GRK 202 or equiv.

GRK 311 Advanced Readings in Greek Literature 3 hrs, 3 cr. Prereq: GRK 202 or equiv.

GRK 103 Greek Prose Composition 2 hrs, 2 cr. Prereq: GRK 202 or equiv.



GRK 104 Greek Prose Composition 2 hrs, 2 cr. Prereq: GRK 202 or equiv.

GRK 205 Greek Prose Composition 2 hrs, 2 cr. Prereq: GRK 202 or equiv.

GRK 206 Greek Prose Composition 2 hrs, 2 cr. Prereq: GRK 202 or equiv.

Latin

LAT 101, 102 Beginning Latin 8 hrs, 8 cr. 101 offered Fa, 102 every Sp.

LAT 107 Beginning Latin, Intensive 6 cr. Offered summer only.

LAT 110 Latin Reading 3 hrs, 3 cr. Prereq: LAT 102 or equiv. Offered every Fa.

LAT 201 Ovid's *Metamorphoses* 3 hrs, 3 cr. Prereq: LAT 110 or equiv.

LAT 202 Roman Biography 3 hrs, 3 cr. Prereq: LAT 110 or equiv.

LAT 203 Vergil's *Aeneid* 3 hrs, 3 cr. Prereq: LAT 110 or equiv.

LAT 204 Cicero's *De Senectute* 3 hrs, 3 cr. Prereq: LAT 110 or equiv.

LAT 220 Medieval Latin 3 hrs, 3 cr. Prereq: LAT 110 or equiv. Offered summer only.

LAT 302 Roman Letters 3 hrs, 3 cr. Prereq: LAT 201 or equiv.

LAT 303 Roman Comedy 3 hrs, 3 cr. Prereq: LAT 201 or equiv.

LAT 304 Roman Satire 3 hrs, 3 cr. Prereq: LAT 201 or equiv.

LAT 305 Vergil's *Eclogues and Georgics* 3 hrs, 3 cr. Prereq: LAT 201 or equiv.

LAT 306 Cicero 3 hrs, 3 cr. Prereq: LAT 201 or equiv.

LAT 307 Lucretius' *De Rerum Natura* 3 hrs, 3 cr. Prereq: LAT 201 or equiv.

LAT 308 Roman Epic 3 hrs, 3 cr. Prereq: LAT 201 or equiv.

LAT 309 Lyric Poetry of the Golden Age 3 hrs, 3 cr. Prereq: LAT 201 or equiv.

LAT 310 The Roman Novel 3 hrs, 3 cr. Prereq: LAT 201 or equiv.

LAT 311 Elegiac Poets 3 hrs, 3 cr. Prereq: LAT 201 or equiv.

LAT 312 Livy 3 hrs, 3 cr. Prereq: LAT 201 or equiv.

LAT 313 Caesar 3 hrs, 3 cr. Prereq: LAT 201 or equiv.

LAT 314 Tacitus 3 hrs, 3 cr. Prereq: LAT 201 or equiv.

LAT 315 Anthology of Latin Verse 1 hr, 1 cr. Prereq: LAT 201 or equiv.

LAT 316 Advanced Readings in Latin Literature 3 hrs, 3 cr. Prereq: LAT 201 or equiv.

LAT 103 Latin Composition 2 hrs, 2 cr. Prereq: 201 or equiv.

LAT 104 Latin Composition 2 hrs, 2 cr. Prereq: LAT 201 or equiv.

LAT 205 Latin Composition 2 hrs, 2 cr. Prereq: LAT 201 or equiv.

LAT 206 Latin Composition 2 hrs, 2 cr. Prereq: LAT 201 or equiv.

Communications

Department Office North Building room 334, phone 772-4949

Chair John D. H. Downing

Professors DeVito, Downing, Ewen, Stanley

Associate Professors Bathrick, Gibbons, Mader, Newman, Roman, Ross

Assistant Professors Brown, Ramsay, Roman, Shore

Lecturers Ayraainen, Fleishman

Advisors Newman, Stanley (Undergraduate) Downing (Graduate)

The Department of Communications offers 2 programs of study: human communications studies and media studies.

Courses in human communications studies provide theoretical perspectives and practical applications in such areas as small group analysis, psychological and intercultural processes of communication, organizational communication, nonverbal messages, conflict resolution, and public address and debate.

The media studies program examines the interplay among media organizations and other institutions of social power. Media control and responsibility, international communication, media history and criticism, mass culture, media aesthetics, media technology and production, broadcasting (commercial and public), cable and the new technologies, telecommunications policy, journalism skills, and TV production courses constitute the major areas of study within the media studies curriculum.

In addition to their classroom activities, students are given the opportunity to experience the real world of the communications field through Hunter College's Inservice Learning Program. The list of institutions participating in this program includes newspapers, television networks and stations, public relations and advertising firms, municipal government agencies, and alternative media.

Distribution Requirement COMM 160 or MEDIA 180 are the only courses in communications that fulfill the distribution requirement. No more than 3 cr of the major or minor may be applied toward the distribution requirement.

Major Students majoring in communications must select either the human communications studies sequence or the media studies sequence.

Those selecting the human communications studies sequence will be expected to enroll for the following to fulfill the 24-cr major requirement:

1. COMM 160 (prerequisite for all 200- and 300-level courses with the exception of COMM 240 and 355);
2. Minimum of 2 and maximum of 3 200-level courses: COMM 205, 210, 215, 240, 250;
3. Minimum of 4 300-level courses: COMM 302, 315, 318, 320, 325, 326, 330, 332, 340, 354, 355.

Those selecting the media studies sequence must take a minimum of 24 cr as follows: MEDIA 180 (prerequisite for all other courses), and at least 15 cr from the following courses: MEDIA 285 (recommended), MEDIA 370, 380, 381, 382, 383, 384, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396. Two of the following courses may be taken toward the 24-cr major: MEDIA 281, 282, 292, 293. All students following the media studies sequence must take POLSC 111, which may be used toward the social science distribution requirement (category VI).

Majors are encouraged to take creative/skills courses (MEDIA 281, 282, 292, 293, and COMM 101, 110, 240) as electives beyond those applicable toward the 24-cr major. We strongly recommend that majors in one sequence take courses from the other sequence to fulfill their elective requirements.

Minor Students whose special interest is human communications studies should consider a minor in anthropology, English, languages, philosophy, political science, sociology, or theatre. Students whose emphasis is media studies should consider a minor in Black & Puerto Rican studies, film, economics, English, history, philosophy, political science, psychology, or sociology. The minor area and course levels must be approved by the departmental advisor.

Honors Work The department offers COMM 499 or MEDIA 499 as part of the requirement for graduation with departmental honors. The courses are open to outstanding seniors and juniors who satisfy the GPA requirements (major GPA 3.7, cumulative GPA 3.2). Permission is required. Additional details and application forms are available from the departmental advisors.

Independent Study The department offers an opportunity to qualified students who have completed at least 6 cr in media studies or human communication studies at the advanced level, and who satisfy the GPA requirements (major GPA 3.0, cumulative GPA 2.8) to engage in independent research: COMM 402 and MEDIA 402. Additional details and application forms are available from the departmental advisors.

Electives All courses in the department may be taken toward a minor or as electives by students with majors in other departments, provided that the necessary prerequisites have been met. In certain circumstances these prerequisites can be waived with permission of the instructor.

COURSE LISTINGS

Human Communication Studies*

COMM 160 Introduction to Human Communication 3 hrs, 3 cr. Introduction to process of interpersonal communication: structure, rules of order, functions. PREREQUISITE TO ALL COURSES IN HUMAN COMMUNICATIONS.

COMM 205 Critical Thinking 3 hrs, 3 cr. Prereq: PHILO 111. Training in nonformal, rhetorical, audience-centered reasoning. Analysis of legal and quasi-legal cases.

COMM 210 Communication Theory 3 hrs, 3 cr. Theoretical contributions to study of communications.

COMM 215 Phonetics 3 hrs, 3 cr. Sounds of standard and dialect English; notation of International Phonetic Alphabet; social aspect of speech patterns.

COMM 240 Effective Public Speaking 3 hrs, 3 cr. Development of skills in speechmaking.

COMM 250 Small Group Communications 3 hrs, 3 cr. Exploration of major theories and research findings in area of small group communications.

COMM 299 Special Topics in Human Communications Studies 3 hrs, 3 cr. Taught periodically. Specific topics will be listed in *Schedule of Classes* for given semester.

COMM 302 Patterns in Verbal Interaction 3 hrs, 3 cr. Structure and role of speech and language variables in human communication.

COMM 315 Processes in Intercultural Communication 3 hrs, 3 cr. Difficulties and possibilities of communicating when codes, meaningful behaviors, and assumptions are not shared.

COMM 318 Organizational Communication 3 hrs, 3 cr. Exploration of role of communication consultant in contemporary organizations.

COMM 320 Psychology of Communication 3 hrs, 3 cr. In-depth theoretical exploration of multiple aspects of interpersonal communication.

COMM 325 Nonverbal Communication 3 hrs, 3 cr. Study of relationship between nonverbal and verbal communication; major focus on forms, functions, effects of nonverbal messages in various situations. Theory and application considered. Extensive fieldwork, student participation, reviews of current research.

COMM 326 Semantics 3 hrs, 3 cr. Approaches to study of meaning in human communication.

COMM 330 Communication in Conflict Resolution 3 hrs, 3 cr. Characteristics of conflict situations and theoretical approaches to their resolution.

COMM 332 Communication and Social Order 3 hrs, 3 cr. Role of communication in establishing patterns in social, bureaucratic, and corporate organizations.

COMM 340 Family Communication 3 hrs, 3 cr. Analysis of forms and effects of communication in long-term relationships: family and marital interaction, including family meanings, myths, rules, role expectations and barriers to intimacy.

COMM 354 Persuasion and Attitude Change 3 hrs, 3 cr. Major emphasis on construction and analysis of persuasive messages.

COMM 355 Argumentation and Debate 3 hrs, 3 cr. Study of theories and techniques in argumentation and debate.

COMM 399 Special Issues in Human Communications Studies 3 hrs, 3 cr. Taught periodically. Specific topic will be listed in *Schedule of Classes* for given semester.

COMM 399.55 Communication Acquisition 3 hrs, 3 cr. Taught periodically. Study of young child's formation and development of verbal and nonverbal communication patterns.

COMM 401 Seminar 3 hrs, 3 cr. Perm. inst. Readings, discussion, and papers on significant problems in field of interpersonal communication.

COMM 402 Independent Research 1-6 hrs, 1 cr per hr. Prereq: 2 advanced-level courses and perm. dept. Directed research or creative endeavor.

COMM 498 Inservice Learning Program 1-6 hrs, 1 cr per hr. Prereq: Jr/Sr only; perm. chair and host institution. Opportunity to study at professional institutions. One additional cr gained by attending an inservice seminar.

COMM 499 Honors Project 3 hrs, 3 cr. Prereq: 3 advanced-level courses; Jr/Sr only; perm. dept. Supervised individual research and reading culminating in honors essay or presentation.

Creative/Skills Courses in Interpersonal Communication

COMM 101 Voice and Articulation 3 hrs, 3 cr. Development of awareness of articulation patterns, rhythm, intonation, and voice quality.

COMM 110 Effective Listening 3 hrs, 3 cr. Theoretical analysis combined with practical exercises aimed at assessing and improving listening skills. Examination of current knowledge and research relating to decoding or interpretation process.

COMM 240 Effective Public Speaking 3 hrs, 3 cr. Development of skills in speechmaking.

Media Studies **

MEDIA 180 Introduction to Media Studies 3 hrs, 3 cr. Social, political, and economic factors that determine and shape products of media organizations. **PREREQUISITE TO ALL COURSES IN MEDIA STUDIES.**

MEDIA 281 Television Production I 3 hrs + hrs TBA, 3 cr. Elements of television production. Lectures and studio practicum.

MEDIA 282 Television Production II 3 hrs + hours TBA, 3 cr. Continued study of elements of television production.

MEDIA 285 Media and Society: Theories, Problems, and Approaches 3 hrs, 3 cr. Analysis and assessment of communications and information in the context of a changing industrial environment.

MEDIA 292 Basic Reporting 3 hrs, 3 cr. Workshop and discussion to provide basic skills of newspaper writing.

MEDIA 293 Advanced Reporting 3 hrs, 3 cr. Prereq: MEDIA 292. Intermediate course to advance skills in writing and reporting.

MEDIA 299 Special Topics in Media Studies 3 hrs, 3 cr. Taught periodically. Specific topic will be listed in *Schedule of Classes* for given semester.

MEDIA 330 Television Culture 3 hrs, 3 cr. Theoretical analysis of the production and reception of televisual texts, with close reading of particular texts.

MEDIA 370 The Press and the Public 3 hrs, 3 cr. Analysis and discussion of relationship of press to great issues of our time.

MEDIA 380 History of Broadcasting 3 hrs, 3 cr. Broadcasting's roots in industrialization and influence on modern society.



Felicia Nestor

MEDIA 381 Propaganda and the Mass Media 3 hrs, 3 cr. Study of mass media (broadcast, film, print) as integral forms for propaganda.

MEDIA 382 Myths and Images in the Media 3 hrs, 3 cr. Study of media as decisive vehicles of myth, imagery, and aesthetics in an advanced industrial society.

MEDIA 383 Popular Music and the Music Industry 3 hrs, 3 cr. Exploration of social and cultural significance of popular music; history, structure, and economics of music industry. Particular emphasis on popular music from fifties to present.

MEDIA 384 Women and Media 3 hrs, 3 cr. Examination, from historical and formal perspective, of ways in which women have been represented by mass media in America since mid-19th century. Exploration of how feminists for 100 years have challenged these images and posed alternative modes of cultural representation and production.

MEDIA 387 Third World Images: Media of Resistance 3 hrs, 3 cr. Focuses on challenges by Third World films and film-makers to Western media stereotypes of Third World.

MEDIA 388 Public Telecommunications 3 hrs, 3 cr. Programming, philosophy, conflicts, and funding problems in instructional and public television.

MEDIA 389 Contrasting Media Systems 3 hrs, 3 cr. Contrasts media systems in selected foreign countries from point of view of (1) degree to which system satisfies individual and social needs, (2) degree of government and private control, (3) degree of organizational sophistication and diffusion.

MEDIA 390 Broadcast Journalism 3 hrs, 3 cr. Structure and operations of radio and television news in relation to social, political, and economic institutions.

MEDIA 391 History of Print Journalism 3 hrs, 3 cr. Development of newspapers and magazines as social force.

* All 200, 300, and 400-level courses (except COMM 240) in human communications studies require COMM 180 as prerequisite.

** All Media Studies courses require MEDIA 180 as prerequisite.

MEDIA 392 Communications: Technology and Change 3 hrs, 3 cr. Examination of media technologies, their development, and their impact on quality and organization of human life.

MEDIA 393 Media Criticism 3 hrs, 3 cr. Analyzes advanced approaches to media communication with focus on form and content of particular themes as they are treated by variety of media genres.

MEDIA 394 Mass Communications and the Law 3 hrs, 3 cr. Relationship of mass media to significant constitutional problems.

MEDIA 395 Mass Media in Developing Countries 3 hrs, 3 cr. Exploration of impact of transnational corporations on developing countries and issues of cultural domination.

MEDIA 396 International Communication 3 hrs, 3 cr. Examination and analysis of policy issues raised by structures, flows, and contents of international communication. Areas covered include print and TV news flows, transnational culture industries, telecommunications, and data flows.

MEDIA 399 Special Issues in Media Studies 3 hrs, 3 cr. Taught periodically. Specific issues will be listed in *Schedule of Classes* for given semester.

MEDIA 399.55 Cable Television 3 hrs, cr. Taught periodically. Examination of cable TV industry; analysis of structure, market, programming, technology, and regulation.

MEDIA 401 Seminar 3 hrs, 3 cr. Prereq: perm. inst. Readings, discussion, and papers on significant problems in fields of media studies.

MEDIA 402 Independent Research 1–6 hrs, 1 cr per hr. Prereq: 2 advanced-level courses and perm. dept. Directed research or creative endeavor.

MEDIA 498 Inservice Learning Program 1–6 hrs, 1 cr per hr. Prereq: Jr/Sr only; perm. chair and host institution. Opportunity to study at professional institutions. One additional cr is gained by attending inservice seminar.

MEDIA 499 Honors Project 3 hrs, 3 cr. Prereq: 3 advanced-level courses; Jr/Sr only; perm. dept. Supervised individual research and reading culminating in honors essay or presentation.

Comparative Literature

Program Office West Building room 1201, phone 772-5163

Chair Gerald Pinciss

Committee Pinciss (English), Alexander (Russian), Hoffman (German), Mades (Spanish)

The interdepartmental major-minor in comparative literature is designed for students who are interested in a broad view of literature, in the interrelationships among literatures, and in a more flexible course of study than that offered by the individual literature departments. The study of comparative literature entails not simply a comparing of related works in different languages or the tracing of influences among writers from different countries. It also considers literary movements and genres as well as techniques and recurring themes in world literature.

Students who major in comparative literature are especially well qualified for careers, such as teaching or translating, that make use of their language training. They are also well prepared for those professions, such as law and medicine, that recognize the importance of a broad humanistic education.

Distribution Requirement No more than 6 credits in either the major or minor in comparative literature may also be offered toward the distribution requirement. Students who are thinking of continuing the study of comparative literature on the doctoral level should try to gain proficiency in not less than two foreign languages representing rich literary traditions, e.g. French, Italian, German, Spanish, or Russian.

Major-Minor Requirements Because the study of at least two literatures in different languages is essential, students must elect a combined major-minor in comparative literature. Moreover, a good knowledge of one major foreign language, modern or classical (i.e. the ability to take 300-level courses), is a prerequisite. A reading knowledge of a second foreign language is helpful.

All majors take a core course in methodology, but the remaining classes in a student's program are arranged with the advisor in an effort to work out a balance between two different literatures, two different literary periods, and two different genres. In addition to comparative literature courses in prose fiction, drama, myth and folklore, literary movements, and literature and the arts, majors may also elect appropriate classes from such disciplines as history, philosophy, art, and anthropology.

Upon becoming a major, students will, in consultation with the chair, choose one member of the comparative literature committee as their advisor and plan a coherent, individualized program. All majors are required to review their programs with the advisor once a semester.

The major-minor consists of 36 credits distributed as follows:

- A. Concentration in at least 2 periods, one of them before 1830, and in two genres (e.g. the novel and drama).
- B. At least 6 cr and no more than 9 cr in COMPL-prefixed courses. COMPL 301 is required of all majors.
- C. 21–24 cr in literature courses at the 300-level, distributed so that at least 9 cr are in one or more foreign languages studied in the original language, and 12 cr, constituting a major, in a single literature. A meaningful balance between at least 2 literatures must be achieved.
- D. 6 cr chosen from among the following: CLA 210, 250, 251, 253; ENGL 381, 382; HEBR 281; CHIN 111; BLPR 201.1, 220; HIST 312, 331; ANTHC 303; PHILO 202, 204, 206, 208, 210, 212, 215, 228, 234, 314, 316, 318; HUM 380, 381.

COURSE LISTINGS*

The offerings of the comparative literature program are determined by the needs of students in the program and the faculty available. For specific information, consult the advisor.

COMPL 301 Seminar: Approaches to Comparative Literature 3 hrs, 3 cr. Study of selected major works to demonstrate scope and various approaches of comparative literature. Focus on conscious imitation, treatment of similar themes, use of well-defined genres and conventions as well as of concepts from history of ideas. Emphasis on close reading of texts and development of critical vocabulary. Required of all majors in comparative literature.

COMPL 320, 321 Comparative Studies in Prose Fiction 3 hrs, 3 cr each. May be taken more than once when content varies.

COMPL 330, 331 Comparative Studies in Drama 3 hrs, 3 cr each. May be taken more than once when topic varies.

COMPL 340 Perspectives on Literature and the Arts 3 hrs, 3 cr. May be taken more than once when topic varies.

COMPL 350, 351 Comparative Studies in Literary Movements 3 hrs, 3 cr each. May be taken more than once when topic varies.

COMPL 370, 371 Comparative Studies in Myth and Folklore 3 hrs, 3 cr each. May be taken more than once when topic varies.

COMPL 380, 381 Selected Topics in Comparative Literature 3 hrs, 3 cr each. May be taken more than once when topic varies.

COMPL 390, 391 Honors Project 3 hrs, 3 cr each. Prereq: completion of 9 cr in COMPL-prefixed courses.

* ENGL 220 is a prerequisite for all comparative literature courses.

Computer Science

Department Office North Building room 1008, phone 772-5213

Chair Thomas Wesselkamper

Professors Cohen, Negoita, Simoes-Pereira, Wesselkamper

Associate Professors Rubin, Tannenbaum, Teller, Zamfirescu

Assistant Professors Epstein, Katz

Advisors See schedule opposite room N1008

Computer Science is a new, rapidly developing scientific field which has an impact on the lives of most people in technically developing societies. The Department of Computer Science offers introductory courses designed to give the student understanding and literacy in the computer field.

The department offers a major that prepares students for professional careers in business, government, or industry, and for graduate study in computer science and related fields. Because the demand for training in computer science exceeds the department's current capability, only about 80 out of nearly 500 interested students can be accepted into the major each year. Good writing skills and mathematical maturity are essential to success in computer science.

Distribution Requirement See category I on p. 22.

Major (39 cr in C SCI and 15 cr in MATH)

Preliminary Courses Before being accepted as a computer science major, a student must complete the following courses with a B average or better (no mark less than C; only 1 C for this sequence will be accepted):

C SCI 130 Introduction to Computer Science
C SCI 200 Assembly Language Programming
C SCI 204 Discrete Structures
MATH 150 Calculus I
MATH 155 Calculus II

This sequence introduces students to the mathematical and programming concepts necessary to further study.

Required Courses All computer science majors must successfully complete the following courses:

C SCI 201 Operating Systems	C SCI 300 Formal Languages
C SCI 205 Data Structures	MATH 211 Linear Algebra
C SCI 230 Computer Logic	STAT 213 Applied Statistics

Electives In addition to the preliminary and required courses, each major chooses 18 hours of elective courses from 200-, 300-, and 400-level courses. At least 12 elective credits must be for classroom courses. With departmental permission, certain appropriate electives from other academic departments may be substituted.

Minor Examples of sequences which might appropriately constitute a minor would be: C SCI 130, 204, 205, and 310; or C SCI 125, 250, 350, and 355.

Honors Work To graduate from Hunter College with honors in Computer Science, a student must have at least a 3.0 GPA overall and a 3.5 GPA or better in Computer Science/Math, and must receive a grade of A in 1 of the C SCI 493 series of courses.

Recommended Course Sequence

Term 1 C SCI 130, MATH 150
Term 2 C SCI 200, 204, MATH 155
Term 3 C SCI 201, 205, 230, MATH 211
Term 4 C SCI 300, STAT 213, plus 2 C SCI electives
Term 5 4 C SCI electives

COURSE LISTINGS

C SCI 120 Introduction to Computers for Humanities and Social Sciences 3 hrs, 3 cr. Prereq: Passing grade in English and math proficiency exams. Intended for the nonscientist. Discussions of history, organization, and social impact of computers; introduction to art of programming in a high-level language. Open to humanities and social science majors only.

C SCI 125 Introduction to Computers for the Sciences 3 hrs, 3 cr. Prereq: Passing grade in English and math proficiency exams. Designed as first course in computing for scientists. Computer problem-solving and the language FORTRAN with applications in sciences. Open to science majors only.

C SCI 130 Introduction to Computer Science 3 hrs, 3 cr. Prereq: Passing grade in English and math proficiency exams. First course for prospective majors. Computer organization and problem-solving approached through structured programming language.

C SCI 150 FORTRAN 1 hr, 1 cr. Prereq: C SCI 120 or 130. Not for credit if student has taken C SCI 125. FORTRAN language. Data representation; numerical applications; sources of error; numerical methods. Students required to run programs on College's computing facility.

C SCI 155 PL/1 1 hr, 1 cr. Prereq: C SCI 120 or 125. Not for credit if student has completed C SCI 130. PL/1 language. Structured programming; non-numerical applications; recursion; dynamic storage allocation. Introduction to data structures and operating systems.

C SCI 160 COBOL 3 hr, 3 cr. Prereq: C SCI 130 or 125 or 120. COBOL language. Introduction to data processing and commercial problems. Students required to run programs on the College's computing facility.

C SCI 161 Business Data Processing 3 hrs, 3 cr. Prereq: C SCI 160. Study of business-oriented data processing techniques and advanced features of COBOL. Characteristics of auxiliary storage devices, sort, DA and ISAM file management.

C SCI 165 Miscellaneous Programming Languages 1 hr, 1 cr. Prereq: C SCI 120 or 125 or 130. May be repeated once if different language is studied. Study of programming languages such as SNOBOL, LISP, APL, RPG, and Pascal. Appropriate concepts and applications. Students required to run programs on College's computing facility.

C SCI 200 Introduction to Assembly Language Programming 3 hrs, 3 cr. Prereq: C SCI 120 or 125 or 130. Computer structure, machine representation of information, machine language, an assembly language. Bit and byte manipulation, subroutine linkage, macros.

C SCI 201 Operating Systems and Systems Programming 3 hrs, 3 cr. Prereq: C SCI 200. Definition of functions and components of operating systems. Survey of contemporary multiprocessing/multiprogramming systems. Exploration of systems programs; their design, internal structure, and implementation.

C SCI 204 Introduction to Discrete Structures 3 hrs, 3 cr. Prereq: Passing grade in math and English proficiency exams. Mathematical background required for computer science. Sets, relations, symbolic logic, binary arithmetic, Boolean algebra, truth tables, circuits, introduction to graph theory, combinatorics.

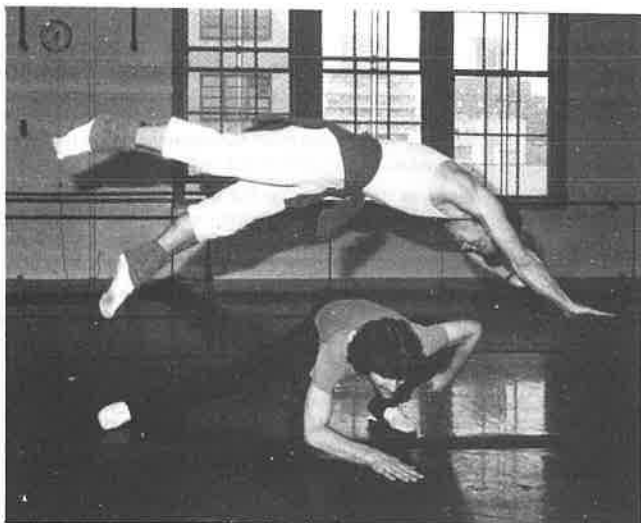
C SCI 205 Data Structures 3 hrs, 3 cr. Prereq: C SCI 130, 204. Representation of information in computer. Storage management, accessing, and techniques of processing. Lists, linked lists, matrices, trees, graphs, digraphs. Recursive programming.

C SCI 210 Systems Analysis and Simulation 3 hrs, 3 cr. Prereq: STAT 213 and C SCI 125 or 130 or 155. Systems analysis techniques for computer system designs, computer simulation of dynamic systems, modeling concepts, elementary queueing theory, discrete simulation.

C SCI 230 Computer Logic 3 hrs, 3 cr. Prereq: C SCI 204. Boolean algebra; combinational circuits: adders, comparators, multiplexers, and code conversion. Gate minimization. Sequential circuits, flip flops, counters, Mealy/Moore machines.

C SCI 250 Numerical Methods 3 hrs, 3 cr. Prereq: C SCI 130 or 125, and MATH 211. Solutions of equations, iterative methods, numerical integration, differential equations. Matrix operations, inversion, eigenvalues, sparse matrices. Curve fitting, estimation of error.

C SCI 295 Topics in Computer Science 3 hrs, 3 cr. Prereq: C SCI 130. Additional prereqs vary with specific topics and are announced prior to registration. Topics include graph theory, data communications, microprocessors, complexity.



Handy Fader-Smith

Dance

Department Office Thomas Hunter, room 616, phone 772-5010/5012/5014

Director William Siegenfeld

Assistant Professors Feinman, Siegenfeld

Adjuncts Clinton, Manilla, Sumler, Vislocky

Advisors (day) William Siegenfeld, Jana Feinman

The Dance Program offers courses in the technique of various styles of dance with emphasis on modern; in creative theory, and in the theoretical and scientific aspects of dance analysis.

A placement audition is required of all incoming students. A yearly evaluation audition is also required of all declared majors. Performance, choreography, and technical production requirements are to be fulfilled prior to graduation.

The core courses and the suggested sequences of electives prepare majors for professional careers in several areas of specialization: performing, teaching of dance and dance therapy, human movement studies, dance history, and dance criticism.

Distribution Requirement No courses taken to fulfill the major or minor requirements may be used to satisfy the distribution requirement.

Major The following 24-credit curriculum is required of all dance majors: DAN 111, 112, 151, 211, 212, 221, 222, 223 or PEDCO 250, 231 or 232, 245, 350. In addition, majors are advised to take from 6 to 12 credits of electives in dance to strengthen pre-professional preparation. The following table lists appropriate electives and the career specializations for which they are designed:

Career specialization	Suggested electives
performing	DAN 251, 252, 322, 323, 345, 351, 352, 411, 412, 441
teaching of dance and dance therapy	DAN 113, 251, 252, 301, 302, 341, 351, 352, PEDCO 250
human movement studies	DAN 252, 341, 351, 352, PEDCO 250
dance history and criticism	DAN 102, 232, 341, ENGL 218, and related courses in art, music, and theatre

Minor Students minoring in dance are required to take DAN 111, 112, 221, and 6 additional credits from the core courses or the suggested electives. All minors are advised to consult the program director before selecting their sequence of courses.

COURSE LISTINGS

Dance Technique

DAN 101 Fundamentals of Contemporary Dance Technique Pre-major. 3 hrs, 2 cr. Prereq: PEDCO 235 or equiv. Offered D only. Introduction to professional demands of technical achievement. Survey of concepts involved in understanding and integrating movement. Review of basic skills required for further study.

DAN 111 Contemporary Dance Technique I 3 hrs, 2 cr, 2 hrs open studio. Prereq: DAN 101. Offered D only. Analytical study of basic concepts of dance: space, time, dynamics, and design. Intermediate development of movement skills and vocabulary as required by professional demands.

C SCI 300 Introduction to Formal Languages 3 hrs, 3 cr. Prereq: C SCI 230, 205. Recursion, regular sets, regular expressions, finite automata, context-free grammars, pushdown automata, predicate calculus.

C SCI 301 Introduction to Compilers 3 hrs, 3 cr. Prereq: C SCI 300. Basic elements found in modern compilers: BNF, Polish notation, parsing, lexical scan, syntax scan, code generation, optimization. Automatic compiler generators, loaders, and bootstrapping.

C SCI 310 Data Base Management 3 hrs, 3 cr. Prereq: C SCI 205. Hierarchical and network data bases. Theory of relational data bases. Normalization theory. Query languages.

C SCI 320 Artificial Intelligence 3 hrs, 3 cr. Prereq: C SCI 300. Heuristic versus algorithmic methods of problem solving. Description of cognitive processes and approaches to mathematical invention. Simulation of cognitive behavior and self-organizing systems.

C SCI 322 Advanced Programming Languages 3 hrs, 3 cr. Prereq: C SCI 301. History of programming languages. Features of programming languages ALGOL, PL/1, LISP, SNOBOL, and others are investigated.

C SCI 324 Theory of Computability 3 hrs, 3 cr. Prereq: C SCI 300. Turing machines, Post machines, Post's theorem, Minsky's theorem. Determinism and non-determinism. Undecidability: the halting problem. Recursive function theory.

C SCI 330 Computer Architecture 3 hrs, 3 cr. Prereq: C SCI 230. Digital computer architecture, logical control, arithmetic units, I/O channels, machine structures, system interface.

C SCI 350 Numerical Analysis 3 hrs, 3 cr. Prereq: C SCI 250. Interpolation polynomials; least curve fitting; numerical differentiation and integration; ordinary differential equations. Additional topics may be selected.

C SCI 352 Software Engineering 3 hrs, 3 cr. Prereq: C SCI 201, 205. Problems in large-scale software development including functional analysis of information processing systems, system design concepts, timing estimates, documentation, and system testing.

C SCI 355 Introduction to Linear Programming 3 hrs, 3 cr. Prereq: MATH 211 and C SCI 125 or 130 or 150. Introduction to operations research and game theory. Simplex method; inconsistency, redundancy, and degeneracy problems; two-phase method; duality; transportation problems.

C SCI 381, 382, 383 Independent Workshop in Computer Science 1 hr, 1 cr; 2 cr, 2 cr; 3 hr, 3 cr. Prereq: Jr/Sr with perm. inst. and dept. Independent work, under the direction of a faculty member, in practical aspects of computing, e.g., systems programming, biomedical computing, computer-aided instruction.

C SCI 391, 392, 393 Independent Study in Computer Science 1 hr, 1 cr; 2 hr, 2 cr; 3 hr, 3 cr. Prereq: Jr/Sr with perm. inst. and dept. Independent study and reading under direction of member of department. Study may involve independent research project culminating in written report.

C SCI 491, 492, 493 Seminar 1 hr, 1 cr; 2 hr, 2 cr; 3 hr, 3 cr. Prereq: perm. dept. Topics in microprogramming, information retrieval, artificial intelligence, data communication, and other areas.

DAN 112 Contemporary Dance Technique II 3 hrs, 2 cr, 2 hrs open studio. Prereq: DAN 111. Offered D only. Development of expanded movement vocabulary and increased facility; understanding dance as means of communication; ordering of movement to produce controlled performance.

DAN 145 Fundamentals of Ballet 3 hrs, 2 cr. Prereq: DAN 111. Offered D only. Introduction to fundamental skills and nomenclature of ballet; nonprofessional orientation to educate student to appreciate art of ballet through participation.

DAN 151 Folk Forms of Dance I 3 hrs, 1 cr. Offered D/Sp only. Development of basic dance skills for participation in various recreational folk dances; exposure of student to dance and music of other cultures through communal activity.

DAN 211 Contemporary Dance Technique III 3 hrs, 2 cr, 2 hrs open studio. Prereq: DAN 112. Offered D only. Advanced movement experience to prepare students to carry out their own creative demands or demands of other choreographers; continued in-depth study of all concepts of dance.

DAN 212 Contemporary Dance Technique IV 3 hrs, 2 cr, 2 hrs open studio. Prereq: DAN 211. Offered D only. Development of pure dance skill to enable student to learn specific styles of dance; emphasis on expanding dynamic range and clarifying performance intention.

DAN 245 Ballet I 3 hrs, 2 cr, 2 hrs open studio. Prereq: DAN 145. Offered D only. Study of stylistic demands and vocabulary at intermediate level; introduction to background information about ballet traditions.

DAN 251 Folk Forms of Dance II 3 hrs, 1 cr. Prereq: DAN 151. Offered D/Sp only. Expanded progressions in folk forms of dance; presentation of new materials based on advanced skills.

DAN 252 Ethnic Sources for Dance I 3 hrs, 2 cr. Prereq: DAN 112. Offered D only. Introduction to history and basic techniques of particular types of ethnic dance, e.g., West African dance, classical Chinese dance, T'ai Chi.

DAN 345 Ballet II 3 hrs, 2 cr, 2 hrs open studio. Prereq: DAN 245. Offered D only. Continuation of traditional exercises to acquaint student with elements of classic ballet; emphasis on development of advanced technical ability to facilitate learning and teaching.

DAN 352 Ethnic Sources for Dance II 3 hrs, 2 cr. Prereq: DAN 252. Offered D only. Continuation of in-depth study of techniques of particular types of ethnic dance.

Creative Theory

DAN 221 Improvisation as a Creative Process I 3 hrs, 2 cr. Offered D/Fa only. Introduction to basic skills of structured improvisation; use of these skills by individual students to explore their creative movement potential.

DAN 222 Composition I 3 hrs, 2 cr, 5 hrs open studio. Prereq: DAN 221. Offered D/Sp only. Creative assignments geared to challenge and develop all dance skills; emphasis on understanding form and its relation to content; mastering structural requirements of composition.

DAN 223 Production I 4 hrs, 3 cr, 5 hrs open studio. Prereq: DAN 222. Offered D/Sp only. Practical experience in all aspects of production that contribute to realization of student's choreographic intentions: costumes, sets, lighting, publicity, and business skills.

DAN 322 Composition II 3 hrs, 2 cr, 5 hrs open studio. Prereq: DAN 222. Offered D/Fa only. Continued application of basic principles of composition; conception, planning, and realization of complete dances; preparation of dances for concert by integrating all aspects of production.

DAN 323 Production II 4 hrs, 3 cr, 5 hrs open studio. Prereq: DAN 223. Offered D/Sp only. Advanced application of production skills to proscenium-stage concert.

DAN 411 Repertory I 4 class hrs + 2 hrs open studio, 3 cr. Prereq: DAN 211, 222, or perm. inst. Offered Fa only. Performance course for advanced students. A dance is learned from professional choreographer's repertory and performed in concert.

DAN 412 Repertory II 4 class hrs + 2 hrs open studio, 3 cr. Prereq: DAN 211, 212, 411, or perm. inst. Offered Sp only. Continuation of DAN 411. A new dance is created by professional choreographer and performed in concert.

Theoretical and Scientific Aspects of Dance

DAN 102 Dance, Dancers, and the Audience 3 hrs, 3 cr. Offered Fa only. Lecture-demonstration course designed to introduce student audience to art of dance; open to all students; fulfills distribution requirement in humanities.



Randy Fader-Smith

DAN 113 Basic Musicianship for Dancers 3 hrs, 2 cr. Offered D only. Basic music theory in relation to dance. Development of auditory and kinesthetic understanding of melody, rhythm, and harmony through movement.

DAN 301 Theory and Practice of Teaching Dance in Elementary School 3 hrs, 2 cr. Prereq: DAN 112 or equiv. Offered D/Fa only. Evaluation, discussion, and application of various teaching methods involved in presenting creative movement to elementary-school-age children; practice in lesson and unit planning.

DAN 302 Theory and Practice of Teaching Contemporary Dance 3 hrs, 2 cr. Prereq: completion of 3 to 6 major course credits and perm. dept. D/Sp only. Analysis and synthesis of dance knowledge into applicable methods of teaching; approaches to handling various teaching situations in public school systems.

DAN 231 Dance History Before the 20th Century 3 hrs, 3 cr. Offered D/Fa only. Readings and discussions of origin and development of major forms of dance; comparative analysis with development of other art forms.

DAN 232 20th-century Dance History 3 hrs, 3 cr. Offered D/Sp only. Readings, lectures, films, discussions of 20th-century ballet, modern, social, and popular theatre dance forms; analysis of individual styles and cultural trends; fulfills distribution requirement in humanities.

DAN 341 Survey of Dance Notation Systems 3 hrs, 2 cr. Prereq: DAN 112. Offered D only. Historical survey of the notation systems of Benesh, Jay, Nikolais, and Laban. Application of principles of movement analysis to development of movement awareness.

DAN 350 Anatomy and Kinesiology for Dancers 3 hrs, 3 cr. Prereq: DAN 112 or equiv. Offered D/Sp only. Anatomy of skeletal, muscular, and neuromuscular systems; anatomical analysis of basic movement; application of anatomical information to proper and successful performance of dance.

DAN 351 Dance Injuries 3 hrs, 2 cr. Prereq: DAN 350. Offered D/Fa only. Identification of types and frequency of dance injuries; investigation into probable causes, prevention, care, and rehabilitative procedures.

DAN 431 Current Topics in Dance 3 hrs, 3 cr. Prereq: DAN 332. Offered D only. May be taken 2 times for credit.

DAN 441 Composing Music for Dance 3 hrs, 2 cr. Prereq: DAN 222 or equiv. Offered D/Sp only. Pending BHE Approval. Investigation of procedures involved in collaboration of composer with choreographer; relation of style of dance to choice of music; practice in composing original score.

DAN 480 Independent Study in Dance Hrs TBA, 3 to 6 cr. Prereq: minimum of 15 dance cr; major GPA 3.0, overall GPA 2.5. In-depth study in area of special interest for qualified students under direction of faculty advisor.

DAN 490 Honors in Dance Hrs TBA, 3 cr. Prereq: Jr/Sr with minimum 18 dance cr; major GPA 3.5, overall GPA 2.8. Offered D only. Individual study leading to completion of honors essay or production book in creative performance.

DAN 498 Inservice Training Program Hrs TBA, 3 to 6 cr. Offered D only. Prereq: 50 production hours.

Economics

Department Office West Building room 1524, phone 772-5400

Chair Marjorie Honig

Deputy Chair for Accounting Alvin Kabot

Professors Geyer, Honig, Randall, Shull, R. Smith

Associate Professors Chernick, Duchatelet, Filer, Kabot, Kirshenbaum, Reimers, Shakotko

Assistant Professors Black, Nolan-Haley, Shim

Instructors Arnsten, Sherif

Advisors (day and evening) Inquire at department office (BA/MA) Laura Randall West Building room 1504

Many of the world's most compelling problems are economic. The dominant problem of the 1930s was the massive unemployment of workers and resources known as the Great Depression. The war-time economy of the 1940s raised the issue of rapid redeployment of scarce resources between civilian and military needs. By the 1950s inflation was appearing as a major problem in many countries. In the 1960s attention was focused on the problems of poverty and unequal opportunity and on the worldwide slowdown in the pace of economic growth. The central problems of the 1970s and 1980s are the rising cost of energy and the emergence of the disturbing combination of high unemployment and high rates of inflation.

One way to define the scope of economics is to say that it is the social science that deals with such problems. It is concerned with the use of scarce resources to satisfy unlimited human needs and wants. The problems raised by scarcity are analyzed and solved by economists in industry, commerce, government, and the nonprofit sector.

A third of professional economists are employed in private industry, by labor unions, and by trade associations. The remainder enter government at the federal, state, or local level, either in research or policy-making positions, or are involved in teaching and research in colleges and universities.

Accountants specialize in measuring, reporting, and interpreting the financial aspects of business, governments, and institutional activities. Accounting provides the information necessary to determine and evaluate both present and projected economic activities of organizations. Professional accountants develop and apply their skills in auditing, taxation, management policy, information systems, computer operations, and many other areas.

Nearly half of all accounting graduates are employed by public accounting firms. The remainder join private firms, engage in research and consulting, or practice in the government sector.

Distribution Requirement No courses offered toward fulfillment of the major may also be offered toward the distribution requirement. No more than 6 credits of the minor may also be offered toward the distribution requirement.

Majors The Department of Economics offers 2 types of major. One, requiring a minimum of 24 credits (economics major), leads to a BA degree in economics. The other (public accountancy), requiring a minimum of 27 credits of accounting and an additional 36 credits of professional studies, leads to a BS (accounting) degree (CPA preparation). The details are outlined below. For transfer of credit and other administrative matters, please allow a minimum of two weeks for processing.

Grade Options Students have the option of choosing the system under which they are to be graded. The department strongly urges that economics majors who plan to go on to graduate or professional school choose letter grades. Students enrolled in the BS

(Accounting) curriculum must have letter grades in the 27 credits of prescribed accounting courses.

Prerequisites Courses must be completed with at least a grade of C to satisfy prerequisite requirements.

Preparation for Teaching In cooperation with the Department of Education, the Department of Economics provides opportunities for students to prepare for a career in teaching at the secondary level. Students who wish to qualify for licensing in New York City or New York State certification should consult the Department of Education statement in this bulletin.

Interdepartmental Fields Students may take courses in economics as part of an interdepartmental field in Inter-American affairs, energy policy studies, women's studies, and Jewish social studies. Listings in each area discuss recommended courses.

Urban Studies Students who have selected the major-minor concentration in urban studies may select work in economics to complete either the 6-hour or the 15-hour social science component. The 6-hour social science requirement for the urban studies major may also be fulfilled in economics. Students in these programs should consult with the advisor in the Department of Urban Affairs before making course selections.

Internships Students who are declared majors with a GPA of at least 2.5 may earn up to 6 credits (maximum of 3 per semester) by participating in approved internship programs. These programs, offered by public agencies and private organizations, are intended to bridge the gap between academic study and the practical world. Students interested in applying for these programs should obtain an information sheet from the department.

Accelerated BA/MA Program in Economics The Economics Department offers promising students the opportunity to complete both the BA and MA degrees within 125–131 credits. The program is open to talented and highly motivated students who maintain a GPA of 3.0 in economics as well as in the cumulative index. All students in the BA/MA program must complete ECO 301 and 302, 220, and 320, or their equivalents. An undergraduate major in economics is normally required. Thomas Hunter honors students may be admitted, provided that the above courses are completed. To apply, send a letter of application and undergraduate transcript to the Economics Department BA/MA advisor.

Departmental Honors Students with a 3.5 GPA in economics and an overall 2.8 GPA at the beginning of the upper senior semester may apply for departmental honors at that time. Registration in a 400-level course and submission of an honors paper are required. Honors papers are written under the supervision of a senior faculty member and defended before a faculty committee. GPA levels must be maintained for the award of departmental honors.

BA Degree in Economics

Major To declare a major in economics, students must have completed at least one economics course and have a C average in economics. They should bring their grade record to the Department advisor when they declare the major. Students majoring in economics must take:

- A. ECO 201 and 202 (6 cr) must be completed prior to declaring a BA major in economics. Although required, these courses cannot be credited to the major, but may be applied toward the social sciences category of the distribution requirement. Students may begin the study of economics with either ECO 201 or 202, but they are advised to take ECO 100 before 201 or 202 if they have not had recent exposure to economics in high school. If taken, ECO 100 cannot be substituted for either ECO 201 or 202, nor is it credited toward fulfilling the major.

- B. ECO 220, 320, and 301 or 302 (6–9 cr). The department may waive the requirement for ECO 220 upon satisfactory proof of course equivalency or a Department of Economics examination that establishes equivalency. If course equivalency is granted, it shall be without credit and not count toward the major.
- C. Elective courses (15–18 cr). The balance of the 24-credit major shall be satisfied by any other courses offered by the department. Students are advised to consult with department advisors regarding choice of electives.

Minor Economics majors may minor in any department. Students should consult the department advisors for approval of specific courses. Particularly recommended as electives are MATH 150 and 155. Also recommended as electives or as part of a mathematics minor are courses in electronic data processing and computer programming, such as C SCI 100, 200, 201, 210, and 220.

BS (Accounting) Degree

The degree of Bachelor of Science (Accounting) offered at Hunter College fulfills educational requirements for the CPA examination in New York State.

All students contemplating a career in accounting should request an interview with the chair of the Department of Economics or the deputy chair for accounting or a department advisor before registering for any course as a lower freshman, or no later than the lower freshman term. To assure completion of the BS (accounting) degree within 4 years, a full-time student should begin the accounting major sequence in the upper freshman term, if possible, and no later than the lower sophomore term by registering for ECO 271. To be approved as a major in the accounting program, a student must have completed either ECO 201 or ECO 202 and ECO 271.

Distribution Requirement (65 cr) Students working for a BS (Accounting) degree must complete the Hunter-wide distribution requirement shown on pp 00–00, except that:

- A. In category I, in addition to 6–10 cr in science (which may *not* be fulfilled with computer science courses), they must choose 2 courses from among ECO 220, MATH 111, 150, 155.
- B. In category III, the foreign language requirement is different:
1. Students who present 3 or more years of one foreign language* are excused from taking additional foreign language courses;
 2. Students who present 2 years of one foreign language* must take 2 additional courses of advanced-level work in the same language or if they do not want to go on with that language in college, they must take 4 courses in another foreign language at the college level;
 3. Students who present less than 2 years of one foreign language* must take 4 courses in that or any other foreign language at the college level.
- C. In category IV, 6 cr from subdivision 1 only.
- D. In category VI, 3 of the 12 required credits must be in ECO 201. (ECO 202, which must be taken as part of the professional studies requirement, does not help to fulfill the category VI distribution requirement for accounting majors.)

Professional Studies (63 cr)

Accounting (27 cr) ECO 271, 272, 371, 372, 373, 374, 471, 472, 475. An overall C average must be maintained in these 27 cr.

* Students must file with the Department of Economics a high school transcript or other evidence proving completion of the requisite number of years.

Business Law (6 cr) ECO 280, 380.

Statistics (6 cr) ECO 320 and 321 or an additional Business-core elective in lieu of 321.

Finance (6 cr) ECO 210, 365.

Business Core

required (6 cr) ECO 202 and 1 course in computer science elective (12 cr) ECO 260, 301, 302, 315, 355, 360, 361, 362, 366, 367, 473, 474, 476, 480 and 1 additional course in computer science if desired. (With departmental permission, other courses may be used as Business-core electives, e.g. ECO 310, 325, 330, 335, 336, 340, 341, 346, 347, 420.)

Electives Any remaining credits needed to complete the 128 credits required for the BS (accounting) degree must be in liberal arts electives. That is, no additional courses in the 63-cr or professional area will be accepted toward the degree.

COURSE LISTINGS

Note: Students who have not completed the prerequisite(s) with a grade of C or better will not be allowed to register for the course for which prerequisite(s) are required. In cases where a course is both a required course and a prerequisite for another course which is required for the major, it must be completed with at least a C to be accepted for credit towards fulfillment of the major requirement.

ECONOMICS

ECO 100 Introduction to Economics 3 hrs, 3 cr. Basic economic concepts and thought; issues and policy. Recommended as a first course for students with no prior courses in economics.

ECO 103 Economic Background of Current Events 1 hr, 1 cr. Critical evaluation of economic causes and consequences of current economic problems and policies. Only open to majors in economics.

200 Level—Core Courses

ECO 201 Principles of Economics I: Macroeconomics 3 hrs, 3 cr. Prereq: 3 cr college math (e.g. MATH 120 or its high school equiv). May be taken prior to or concurrently with ECO 202. Macroeconomic principles applied to the US economy.

ECO 202 Principles of Economics II: Microeconomics 3 hrs, 3 cr. Prereq: 3 cr college math (e.g. MATH 120 or its high school equiv). May be taken prior to or concurrently with ECO 201. Price theory and resource allocation; market structures; income distribution.

ECO 220 Techniques of Economic Analysis 3 hrs, 3 cr. Prereq: ECO 201 or 202. Mathematical techniques applied to micro- and macroeconomic models.

200 Level—Elective Courses

ECO 210 Money and Banking 3 hrs, 3 cr. Prereq: ECO 201 and 202. Monetary and banking principles and practice; current issues; theory and policy.

ECO 260 Business Organization and Management 3 hrs, 3 cr. Prereq: ECO 202 and 271. Managerial functions of business enterprise; planning, staffing, organization, and control.

ECO 295 Selected Topics in Economics 3 hrs, 3 cr. Prereq: ECO 201 or 202. Special topics and issues of research and policy interest. Topics vary each semester. May be repeated for a total of 6 cr.

300 Level—Core Courses

ECO 301 Intermediate Macroeconomics 3 hrs, 3 cr. Prereq: ECO 201, 202, 220. Measurement and dynamics of national income, employment, and growth; policy options.



ECO 302 Intermediate Microeconomics 3 hrs, 3 cr. Prereq: ECO 201, 202, 220. Price determination of goods and factors in markets of varied structures; general equilibrium analysis.

ECO 320 Economic Statistics I 3 hrs, 3 cr. Prereq: ECO 201, 202, and 220. Statistical theory applied to business and economic problems; correlation, regression, time series analysis.

300 and 400 Level—Advanced and Elective Courses

ECO 305 Development of Economic Thought 3 hrs, 3 cr. Prereq: ECO 202. Development of economic analysis and theory, preclassical to contemporary.

ECO 306 Marxian Economics 3 hrs, 3 cr. ECO 202, ECO 301 recommended. Critical analysis of the Marxian model and its policy implications.

ECO 310 Financial Institutions 3 hrs, 3 cr. Prereq: ECO 210. Operation, administration, and regulation of US banking, investment, and credit institutions.

ECO 315 Public Finance 3 hrs, 3 cr. Prereq: ECO 302. Theory and application of fiscal policy; federal budgeting; state and local finance.

ECO 321 Economic Statistics II 3 hrs, 3 cr. Prereq: ECO 320. Linear and curvilinear correlation and regression; variance; testing; time series.

ECO 325 Consumer Economics 3 hrs, 3 cr. Prereq: ECO 202. Analysis and application of theories of consumption, income disposition, and consumer protection.

ECO 330 Economic Development 3 hrs, 3 cr. Prereq: ECO 201 and 202. Critical growth variables in developing economies. Theories, models, and policies.

ECO 331 Economic History 3 hrs, 3 cr. Prereq: ECO 201. Origins of Western economic development; evolution of US economy; techniques of economic historical analysis.

ECO 332 Economic Development of Western Europe 3 hrs, 3 cr. Prereq: ECO 201. Development and structure of Western European economy; performance, policies, and problems.

ECO 335 Urban Economics 3 hrs, 3 cr. Prereq: ECO 302. Development of metropolitan regions; location theory; transportation, housing, and environment; interaction of public and private sectors.

ECO 336 Regional Economics 3 hrs, 3 cr. Prereq: ECO 335. Interregional trade and growth; economic base studies; spatial general equilibrium models.

ECO 340 International Trade: Theory and Policy I 3 hrs, 3 cr. Prereq: ECO 201. Theories of international trade, foreign exchange, balance of payments, issues and policies.

ECO 341 International Trade: Theory and Policy II 3 hrs, 3 cr. Prereq: ECO 340. Commercial policy, regional integration, multinational enterprise, cartels, and monetary cooperation.

ECO 345 Labor Economics 3 hrs, 3 cr. Prereq: ECO 202. Microeconomic analysis is applied to demand for labor, allocation of time among paid and unpaid activities, and determination of wages and hours of work.

ECO 346 The Labor Movement 3 hrs, 3 cr. Prereq: ECO 345. History, organization, and operation of US trade unions; tactics, policies, foreign counterparts.

ECO 347 Union-Employer Relations 3 hrs, 3 cr. Prereq: ECO 345. Process and problems of collective bargaining, issues, tactics, enforcement of contracts, agreements, and governmental regulations.

ECO 350 Comparative Economic Systems 3 hrs, 3 cr. Prereq: ECO 201 and 202. Analysis of institutions and policies of representative market and nonmarket economies of Western Europe and Asia.

ECO 351 Contemporary Economic Systems: Latin America 3 hrs, 3 cr. Prereq: ECO 201. Structure, operation, problems, and policies of representative Latin American economies.

ECO 355 Industrial Organization and Social Control of Business 3 hrs, 3 cr. Prereq: ECO 201 and 202. Analysis of structure and performance of US industrial markets; concentration, public policy; regulation and control.

ECO 360 Managerial Economics 3 hrs, 3 cr. Prereq: ECO 202 and 220. Theory of the firm, risk and uncertainty; forecasting, capital allocation, analysis of costs and returns, pricing.

ECO 361 Labor Management 3 hrs, 3 cr. Prereq: ECO 202 and 260. Personnel, wage and salary administration; job evaluation; grievances; union-management relations.

ECO 362 Economics of Marketing 3 hrs, 3 cr. Prereq: ECO 202 and 260. Marketing theory and research; consumer motivation; product development, sales and promotion; pricing policies.

ECO 363 Export and Import Management 3 hrs, 3 cr. Prereq: ECO 201 and 340. Export and import principles and practices; financing, transportation, marketing abroad; documentation.

ECO 365 Corporation Finance 3 hrs, 3 cr. Prereq: ECO 202 and 271. Financial organization and practices of corporate enterprise, procedures and policy.

ECO 366 Security and Investment Analysis 3 hrs, 3 cr. Prereq: ECO 201 and 271. Operation of the stock market; security analysis and evaluation; economic variables influencing security values.

ECO 367 Analysis of Financial Statements 3 hrs, 3 cr. Prereq: ECO 202 and 271. Financial reports and their interpretation; case studies; price changes, cash flow analysis, and funds statements.

ECO 390 Independent Study in Economics 3 hrs, 3 cr. Open to economics majors and minors; perm. chair and faculty sponsor. Individual readings, tutorials, research. Written report. May be repeated for total of 6 cr.

ECO 395 Selected Topics In Economics 3 hrs, 3 cr. Jr/Sr majors only. Special readings, research, and seminar discussions on selected topics announced each semester. May be repeated for a total of 6 cr.

ECO 420 Econometrics 3 hrs, 3 cr. Prereq: ECO 201, 202, and 321. Construction, application, and testing of economic models; mathematical and statistical techniques.

ECO 495 Selected Topics in Economics 3 hrs, 3 cr. Jr/Sr majors only. Prereq: ECO 301 or 302. Special readings, research papers, and seminar discussions on selected advanced topics announced each semester. May be repeated for total of 6 cr.

ECO 496 Honors Seminar in Economics 3 hrs, 3 cr. Jr/Sr majors only; 3.5 GPA in economics; perm. chair. Special readings, research, and seminar discussions on selected topics announced each semester. May be repeated for total of 6 cr.

ECO 499 Honors Project 3 hrs, 3 cr. Jr/Sr only; 3.5 GPA in economics; perm. chair. Supervised individual research and directed reading. Honors essay or presentation.

ACCOUNTING AND BUSINESS LAW

ECO 271 Accounting I 3 hrs, 3 cr. Prereq: upper freshman standing. Basic accounting concepts; preparation of financial statements. Emphasis on income determination and financial position.

ECO 272 Accounting II 3 hrs, 3 cr. Prereq: ECO 271. Accounting concepts applied to partnerships and corporations; funds statements; financial statement analysis.

ECO 371 Intermediate Accounting I 3 hrs, 3 cr. Prereq: ECO 272. In-depth study of current concepts relating to accounting for assets and current liabilities.

ECO 372 Intermediate Accounting II 3 hrs, 3 cr. Prereq: ECO 371. Revenue recognition; accounting for equities, income taxes, pensions, leases, price level changes.

ECO 373 Federal Income Taxation 3 hrs, 3 cr. Prereq: ECO 372 or perm. chair. Principles of federal income taxation and the impact of taxes on individuals.

ECO 374 Managerial Accounting (Cost Accounting) 3 hrs, 3 cr. Prereq: ECO 372 or perm. chair. Accumulation, analysis, presentation, and use of cost data by management, budgets.

ECO 471 Advanced Accounting I 3 hrs, 3 cr. Prereq: ECO 372. Accounting for branches and business combinations. Emphasis on preparation and analysis of consolidated statements. Contemporary accounting problems.

ECO 472 Advanced Accounting II 3 hrs, 3 cr. Prereq: ECO 372. Accounting theory and practice focused on partnerships, joint ventures, multinationals, government and public sector entities; not-for-profit accounting; interim and segment reporting; SEC problems.

ECO 473 Business Taxes 3 hrs, 3 cr. Prereq: ECO 373. Federal income taxation of partnerships, corporations, tax option corporations; other special tax issues.

ECO 475 Auditing 3 hrs, 3 cr. Prereq or coreq: ECO 471. Auditing theory and practices; ethics of accounting profession; procedures for auditing financial statements.

ECO 280 Business Law I 3 hrs, 3 cr. Prereq: soph standing or perm. chair. Legal origins and institutions; court systems; contract law and commercial paper law with focus on Uniform Commercial Code.

ECO 380 Business Law II 3 hrs, 3 cr. Prereq: ECO 280. Legal aspects of business organizations; agency, partnership, and corporate relationships.

ECO 480 Business Law III 3 hrs, 3 cr. Prereq: ECO 380. Sales and financing devices under Uniform Commercial Code; property; trusts and estates; bankruptcy; other selected topics.

Accounting Seminars and Independent Study

(See Economics Seminars and Independent Study above.)

Education

Divisional Office West Building room 1000, phone 772-4622

Dean of Programs In Education Hugh J. Scott

Assoc. Dean of Programs in Education

Director, Office of Educational Services Adele Schwartz West Building room 1006, phone 772-4624

Advisors (day) West Building room 1003 (evening) West Building room 1028
(TTT Program) Kimberly Kinsler West Building room 1001A

(Counseling) Stanley Segal East Building room 1206

(Older Adult Program) Margot Tallmer East Building room 1218

(Teacher Placement) Sally Milgrim West Building room 1001

(Teacher Certification) Charlotte Seley West Building room 1000

CURRICULUM AND TEACHING

Department Office West Building room 1023, phone 772-4686

Chair Harold Judenfriend

Professors Balmuth, Block, Cooper, Dye, Frankfort, Hunter, Judenfriend, Milgrim, Miller, Niman, Samalonis, Schueler, Vasquez, Waxman

Associate Professors Boedeker, Bordier, Gamble, Herman, Kuhmerker, Lawlor, Perr, Smolens, Thibodeau

Assistant Professors Kinsler, Smith

Instructor Ruccius

Lecturer Romero

EDUCATIONAL FOUNDATIONS

Department Office West Building room 1016, phone 772-4710

Chair Louise Fox

Professors Dederick, Hodges, Huber, Ladas, Pasteur, Segal, Tallmer, Wolinsky, Zalk

Associate Professors Buxbaum, Clawar, Fox, Goldstein, Klutch, Kwochka, Martinez, O'Neil, Sanchez, Scheffler, Wayne, Yarosz

Assistant Professors Wertzer, Wyche

HEALTH AND PHYSICAL EDUCATION

Department Office West Building rooms 1121 and 1129, phone 772-4640

Chair Susan Higgins

Coordinators (Advisors)

Health Education: Mary Lefkarites West Building room 1130

Physical Education: Ronald Brown West Building room 1128

Professors R. Brown, Havel, Schmais

Associate Professors C. Brown, Burke, Derfler, Greenberg, Higgins, Seguire, Zabka

Assistant Professors Koch, Lefkarites, Scolnick, Schleihau

The Division of Programs in Education offers students the opportunity to obtain the following degrees:

BA or BS with collateral major in Early Childhood-Elementary Education

BA or BS with a Secondary Education Specialization

BS in Health Education

BS in Physical Education (Teaching and Non-teaching)

BA in Human Movement Studies

These degree programs are designed to include courses leading to provisional New York State Teacher Certification in early childhood—elementary and secondary education. (For permanent certification and graduate degree programs in education, consult the Graduate Catalogue.) The curriculum is designed to prepare students for careers in elementary and secondary schools in major metropolitan areas, both inner city and suburban.

Collateral Major A 42-credit collateral major in education is designed for prospective teachers in early childhood and elementary education. Teacher candidates are required to complete, concurrently, a second major in an academic subject. With advisement, students will select a major to strengthen the academic background required for teaching. Students can then use their education studies credit to replace a minor concentration. Students must declare their intention to major in elementary education when they register for their first education course. They will be assigned an advisor to assist in programming and in evaluating their progress toward fulfilling state-mandated competencies in teaching. Candidates must show proficiency in written and spoken English.

New York State Certification Requirements in Elementary and Secondary Education The undergraduate sequences of studies described below have been approved by the New York State Education Department as leading to provisional certification for elementary and secondary school teaching in the schools of the State of New York.

Provisional certification permits students to teach for 5 years, during which time the new teacher must work toward permanent certification by completing an approved master's degree program.

The general liberal education requirements for certification are met by earning the bachelor's degree. The professional education requirements are met on the elementary level by completing the prescribed education collateral major. On the secondary level approximately 21 credits in the education sequence are needed to complete the professional requirements. For certain majors the education credits are electives, however, and students must take another minor in addition in order to fulfill their College requirements.

Effective 9/2/84, all applicants for New York State certification will be required to pass a National Teachers' Examination in order to qualify. This is in addition to the applicant's academic record and/or teaching experience. See the Office of Educational Services for further details.

New York City Licensing Students who complete either the entire elementary or entire secondary sequence will be eligible to take the New York City license examinations on the appropriate levels and in the appropriate subject areas.

The Office of Educational Services This office is open daily from 9 AM to 5 PM, Monday through Friday. Advisors will confer with students who seek information about preparing for teaching, standards for acceptance into the teaching sequence, courses appropriate to various levels of teaching, New York City license, and New York State certification requirements.

Evening Education Advisement Students must consult with an education advisor. Special evening hours for advisement are posted on the Education bulletin board.

Office of Teacher Placement This office helps students of Hunter College to secure teaching positions. Students are urged to register during the term they are student teaching so that recommendations concerning their teaching abilities may be assembled. Non-degree students who have the equivalent of student teaching and are eligible to meet New York State certification requirements should register any time after completion of 12 credits at Hunter. Papers should be updated to include new experience and education, as the office serves as a permanent repository for cumulative credentials. Registrants are placed in public and private schools throughout the United States and in some foreign countries. All students in the education sequences are urged to complete their credentials because it is common practice for school administrators to ask the Office of Teacher Placement for such a file.

Non-Degree and Unclassified Graduate Students Permission is required for qualified non-degree students to register in undergraduate education courses. A registration card must be secured in advance. See the *Schedule of Classes* for appropriate procedures. Course permissions are then given by advisors.

Non-degree students are eligible to register if they are (1) graduates of an accredited 4-year college or (2) if they are matriculated for a 4-year degree at another college and have written permission from their respective colleges to take education courses at Hunter. A student transcript of all college work, including that done at Hunter, is required at the interview. In addition to their transcript, students from other colleges must bring their college catalogue with course descriptions. They should bear in mind that colleges require advance notice to issue transcripts.

Non-degree students now in attendance and those planning to register at Hunter for the first time may obtain permission prior to registration or at the regularly scheduled registration time. Registration hours do *not* coincide with advisement hours.

A STUDENT TRANSCRIPT OF ALL COLLEGE WORK, INCLUDING THAT DONE AT HUNTER, IS REQUIRED AT EACH REGISTRATION.

Transfer Students The special needs of transfer students interested in education courses will be considered by the Office of Educational Services. Transfer students who have begun their professional studies at another institution must consult with an advisor before registering for any education courses.

All enrolled undergraduates wishing to take education courses during the summer session must obtain written permission prior to summer school registration.

Hunter College Campus Schools The Campus Schools serve the Hunter College Programs in Education as a laboratory for observation, demonstration, research, and student teaching of academically gifted and talented students. The Campus Schools offer special programs and opportunities to devise innovative curricula to meet the special challenges presented by pupils with high intelligence. In addition to the regular admissions program based on competitive testing, a significant number of minority students from disadvantaged backgrounds who have academic potential are admitted each year to the pre-school, elementary, and secondary schools.

Hunter College Elementary School The Hunter College Elementary School is located on the first floor of the Campus Schools building at Park Ave. and 94th St. Children are admitted to the nursery school at age 4 and continue their instruction through the primary and intermediate levels. No pupils are admitted to grades 4 through 6. Admission from nursery school through the 3rd grade is limited to children who live in the borough of Manhattan. A teacher center for the education of the gifted and talented is also a part of the school.

Hunter College High School The Hunter College High School is a 6-year junior-senior high school located at 94th St. and Park Ave. Research is conducted on the development of improved programs for intellectually gifted adolescents. The school makes wide use of community resources, and in the senior year the entire City of New York becomes a focal point for internships, course concentration, and extracurricular activities.

Education Programs

The education programs that follow meet New York City licensing and New York State requirements for teaching certificates:

Early Childhood-Elementary Education Collateral Major (nursery through grade VI) Students in the elementary sequence should take the courses, listed below, in psychological and social

foundations, methods, and student teaching. They may start the sequence during their lower sophomore semester, but to finish the sequence before graduation they must start the sequence no later than their upper sophomore semester. All students must have a minimum of 30 college credits before they enroll in the education programs. Courses are taken in the following sequence:

Lower sophomore	EDFDN 201 and 211
Upper sophomore	EDUC 320 and EDUC 325
Lower junior	EDFDN 222 and EDUC 312
Upper junior	EDUC 330 and 335
Upper or lower senior	EDUC 435 and 440

In addition, students seeking to qualify for city licensing and state certification must take the following courses at some time between their upper sophomore semester and graduation: EDUC 305, 310, 315, 400.54. *Note:* MATH 103 is required before a student may register for EDUC 330.

Early childhood and elementary education candidates must secure division permission for student teaching. Students planning to teach in elementary schools have a great deal of freedom in choosing their major, but we recommend that they select a major which will provide background for teaching a curriculum area at the elementary school level.

TTT Program A special program, Training Tomorrow's Teachers, is open to teacher education students who desire field-based experience. Students are admitted to the program as freshmen. They spend 2 mornings a week for 3 years in an elementary school where they receive most of their instruction in education and also fulfill the distribution requirement. During this period they work with children and orient themselves to the community.

One semester is devoted to full-time student teaching. Although most students are admitted to TTT when they enter the College, a limited number of students are admitted to the program after the first semester. Application may be made through the Director of TTT. New students should see the TTT advisor in room 1001A W prior to registration.

Secondary Education Sequence Students preparing to teach on the secondary-school level (grades 7–12) should take the courses, listed below, in psychological and social foundations, methods, and student teaching. Students may start the sequence in their upper sophomore term. In order to finish the sequence before graduation, students must start the sequence no later than their lower junior year. All students must have a minimum of 45 college credits before they enroll in the education sequence.

Upper sophomore	EDFDN 261
Lower junior	EDFDN 272
Upper junior	EDFDN 362 and EDUC 360-381*
Lower or upper senior	EDUC 350 or 355 and 460–483

In addition, students seeking to qualify for city licensing and state certification must take EDUC 400.54 Drug Abuse at some time before graduation.

Note: These courses have been established as an education sequence and may not be used or considered as a minor.

MINORS IN EDUCATION

Fifteen credits in education may be used as a minor. These minors do not lead to certification. The course sequences generally fulfilling a minor are listed below. Students with unusual experiences or special interests may work out modifications of the sequences with the approval of the program advisor of the selected minor.

*EDUC 360–381 are not offered every semester. Students should plan their programs in advance.

Elementary–Early Childhood Education (15 cr) Required (12 cr): EDFDN 201, 211, 312, EDUC 320. Options for additional credits:

1. EDUC 435 (3 cr) for reading specialization
2. EDUC 305 (2 cr) and 310 (2 cr) for art and music specialization
3. EDUC 305 (2 cr) and 401 (1 cr) art and fieldwork in art
4. EDUC 310 (2 cr) and 401 (1 cr) music and fieldwork in music

Part-time or evening students may also participate in this minor. Their program will consist of the following 15 credits: EDFDN 261, 272, 362, EDUC 320 and 325.

Most majors require an allied minor in addition to secondary education. Students are urged to read carefully the section "Preparation for Teaching" under their major department's presentation in this catalogue. It contains specific information about requirements in their chosen areas, since any deficiencies must be made up before student teaching. For advice and guidance in program planning, students should contact the Office of Educational Services prior to registration.

Bilingual Education or Teaching English as a Second Language (TESL) EDFDN 211, 222, 312 or EDFDN 261, 272, 362; and: for Bilingual Education, EDUC 431 and 434; for TESL, EDUC 432 and 433.

In these minors, the 3 introductory courses provide the psychological and social foundations of education. The specialized courses introduce the student to the educational needs of children from bilingual families or from monolingual non-English speaking families. The specialized courses for Bilingual Education and Teaching English as a Second Language do not necessarily fulfill all the undergraduate requirements for entrance into a master's degree program in either field or for certification, but they offer the student an opportunity to gain a background in the chosen area. Students should check with the Office of Educational Services to determine what other courses are necessary to qualify for provisional state certification.

Counseling The program in counseling provides an orientation to the basic techniques and philosophy of guidance and rehabilitation counseling. It is designed to prepare students for preprofessional entry into various fields of counseling. Skills required in a helping relationship are developed, and students experience a variety of community facilities. Courses must be taken in sequence, or under advisement, as electives or as a 15-credit minor: COUNS 301, 302, 405, 411, and 421.

Counseling the Aging This sequence of courses is designed for students who want to prepare for work in counseling the aged. Courses must be taken sequentially or under advisement. They may be taken as electives or as a 15-credit minor: EDFDN 363, 364, COUNS 301, 411, 421.

Educating the Adult A student interested in working with middle-aged and older adults in educational settings may minor in education with the following sequence (alternate courses are available for this sequence with the approval of the program advisor): EDFDN 272, 362, 363, 364, and 400.54.

MAJOR DEPARTMENT REQUIREMENTS

The specific requirements for teaching certain secondary-school subjects under Hunter College's state-approved program are given in the following sections. Information about requirements for subjects not listed below may be obtained directly from the chair of the specific department.

Candidates for provisional certificates on the secondary level must complete subject-matter requirements for teaching at least one subject. Note that subject-matter requirements for certification may be more than Hunter's major-minor requirements.

Major department permission as well as education division permission is required of all applicants for secondary school student teaching.

Art See Department of Art requirements for courses and number of credits required of candidates for the provisional certificate in art. Also note the education sequence specially provided to accommodate those intending to teach art.

English A minimum of 36 credits, to be allocated as follows:

1. At least one course in advanced writing (300 level).
2. A course in media studies in Department of Communications.
3. At least one course in development, structure, and function of the English language chosen from ENG 331 and 332.
4. A course in English literature (300 level).
5. A course in American literature (300 level).
6. At least one course in world literature or an acceptable course in comparative literature.
7. At least one course in public speaking, argument, or discussion.
8. At least one course in oral interpretation of prose, poetry, or dramatic literature.

Note: Students who complete the major/minor in English and English Language Arts will have met this subject matter requirement.

Foreign Languages The candidate needs a minimum of 24 credits in a foreign language to receive provisional certification to teach that language in a secondary school. Candidates may safely choose courses in the literature of the language and in the grammar and composition of the language, but they must also be sure to have sufficient courses in oral and written composition so that the department can submit on their behalf a written statement that they have "a practical command of the language as an instrument of oral and written communication."

Preparation for certification in the following languages is available at Hunter College: Chinese, French, German, Greek, Hebrew, Italian, Latin, Russian, and Spanish.

Dance Twenty-four credits in dance are required for students preparing to teach. Twelve credits in art, music, theatre, health and physical education, or other approved areas may be used to satisfy the allied minor.

Health Education Thirty-six credits in health education are required for students preparing to teach.

Physical Education Students preparing to teach are advised to elect the 44-credit major in physical education leading to the BS degree. For further details, see pp. 00.

Mathematics Candidates need a minimum of 18 credits in mathematics to receive provisional certification in this subject. They may safely use for certification purposes the courses which fulfill Hunter College requirements. The state requires that within the 18-credit requirement the candidate must offer a full year of differential and integral calculus.

Music See Department of Music requirements for details of courses and number of credits required of candidates for the provisional certificate in music. Also note the education sequence provided to accommodate those intending to teach music.

Science All candidates must have a year of biology, a year of chemistry, a year of physics, and a year of earth science. Hunter

students may postpone the year of earth science (generally geology or astronomy) until after graduation. All science courses must be laboratory courses.

In addition, all candidates must complete at least an additional year of the science in which certification is sought. It is expected that Hunter College students will be majors in a particular science area.

Biology majors must take an introduction to genetics and at least one year of mathematics. Other science majors should complete courses in differential and integral calculus.

The completion of these requirements leads to provisional certification in the major science area. For further information consult the Office of Educational Services.

Social Studies Candidates need, for provisional certification in the social studies, a minimum of 36 credits in the social sciences distributed in 6 fields, as follows:

Field 1 US history (6 cr)

Field 2 European history (6 cr)

Fields 3, 4, 5, and 6 Six cr in each of 4 fields, selected from the following 6 fields for a total of 24 cr—cultural anthropology (6 cr)*#; economics (6 cr); geography (6 cr); political science (6 cr); sociology (6 cr)#; history other than US and Western Europe (6 cr)**

Social science courses offered in the Department of Black & Puerto Rican Studies may be applied to meet social science requirements. For information about the field to which specific courses apply, see the teacher education advisor in the Department of Black & Puerto Rican Studies or an advisor in the Office of Educational Services.

* Courses in physical anthropology will not apply toward certification for social studies teaching as part of the social science requirement.

3 credits of cultural anthropology and 3 credits of sociology will be accepted as one field.

** The New York State Education Department has interpreted this field to include any social science courses that deal specifically with cultures other than those of the US or Western Europe.

For further information consult the Office of Educational Services.

Honors in Education Students become eligible for honors in education at graduation by successfully completing EDUC 490 (Honors in Educational Research). Students must have a GPA of 3.5 in education courses and a cumulative GPA of 2.8. Students must be taking a full education sequence including student teaching. Students may also be eligible for membership in the Iota Alpha Chapter of Kappa Delta Pi, the national honor society for education. Eligibility requirements are posted or may be obtained from the Kappa Delta Pi counselor.

COURSE LISTINGS

Counseling

COUNS 205 Guidance: Career Counseling and Placement 2 hrs, 2 cr. Planning careers and vocations, job search.

COUNS 301 Fundamental Principles of Counseling 2 hrs + hrs TBA, 3 cr. Prereq: Jr/Sr only. Introduction to principles, goals, and philosophy of counseling; interaction of professional disciplines.

COUNS 302 Fundamentals of Community Counseling 2 hrs + hrs TBA, 3 cr. Prereq: Jr/Sr only. Study of functions and procedures of community facilities; emphasis on team approach in coordination of services to client.

COUNS 400 Workshop: Special Research or Project 3 hrs, 3 cr. Independent project in approved setting.

COUNS 405 Fundamental Principles of Vocational Guidance 2 hrs + hrs TBA, 3 cr. Prereq: COUNS 301; Jr/Sr only. Meaning of work in society;

factors related to vocational choice; employment interviewing, training, job placement.

COUNS 411 Principles of Interviewing 2 hrs + hrs TBA, 3 cr. Prereq: COUNS 301; Jr/Sr only. Didactic and experiential approach to understanding development of communication techniques in counseling relationship.

COUNS 421 Field Experience in Community Counseling 4 hrs, + 1 hr conf, 3 cr. Prereq: COUNS 405, 411, and perm. dept. Assignment to community facility. Student functions as preprofessional counselor with application of skills previously developed.

Educational Foundations

EDFDN 201 Intro to Education—School Organization and Pupil-Teacher Relationships for Beginning Teachers 3 hrs, 3 cr. Coreq: EDFDN 211. Interdisciplinary introduction to elementary education. Fieldwork as aides in public elementary schools. Students wishing to study elementary education must register for this course and EDFDN 211.

EDFDN 211 Psychological Foundations—Child Growth and Development 3 hrs, 3 cr. Coreq: EDFDN 201. Emotional, cognitive, and social development from childhood to adolescence.

EDFDN 222 Social Foundations of Education (Elem) 3 hrs, 3 cr. Coreq: EDUC 312. Current issues in American education: desegregation, community structure, opportunity, other agencies.

EDFDN 261 Psychological Foundations I: Childhood through Adolescence 3 hrs, 3 cr. Emotional, cognitive, and social development from childhood through adolescence.

EDFDN 272 Social, Historical, Philosophical Foundations 3 hrs, 3 cr. Current issues in American education considered in their social, historical, and philosophical settings.

EDFDN 312 Psychological Foundations II: Educational Psychology (Nursery through Grade VI) 3 hrs, 3 cr. Prereq: EDFDN 211, coreq: EDFDN 222. Learning, evaluation, and classroom management for elementary school teachers.

EDFDN 322 Education of Minorities in the US 3 hrs, 3 cr. Issues in education of Blacks, Hispanics, Native Americans, and other minorities.

EDFDN 362 Psychological Foundations II—Educational Psychology 3 hrs, 3 cr. Prereq: EDFDN 261. Basic educational psychology covering learning, evaluation, motivation, and group management. 24 hrs of fieldwork in public schools or private agencies required.

EDFDN 363 Psychology of Aging 3 hrs, 3 cr. Life-span development course focusing on meaning of aging, personality changes, cognition, self-concept, morale, life satisfaction.

EDFDN 364 Practicum in Aging 3 hrs, 3 cr. Fieldwork with older adults in senior centers, sheltered workshops, dance therapy programs, and nutritional and adult education centers.

EDFDN 400 Seminar: Special Topics 3 hrs, 3 cr. Current critical issues in education.

EDFDN 400.54 Methods of Teaching Adults Seminar: Special Topics 3 hrs, 3 cr. Prereq: EDFDN 363. Specific curricular and methodological adaptations for educating middle-aged and older adults.

EDFDN 401, 404 Workshop: Special Research or Project 1 hr, 1 cr each.

EDFDN 402, 405 Workshop: Special Research or Project 2 hrs, 2 cr each.

EDFDN 403, 406 Workshop: Special Research or Project 3 hrs, 3 cr each.

Independent project in an approved setting.

Curriculum and Teaching

EDUC 305 Art in the Elementary School 3 hrs, 2 cr. Development of competencies, methods, and materials for teaching art to children, nursery through grade VI.

EDUC 310 Music in the Elementary School 3 hrs, 2 cr. Development of competencies, methods, and materials for teaching music to children, nursery through grade VI.

EDUC 315 Physical Education in the Elementary School 3 hrs, 2 cr. Development of competencies, methods, and materials for teaching physical education to children, nursery through grade VI.

EDUC 320 Teaching and Learning in the Elementary School: Reading and Language Arts 3 hrs, 3 cr. Development of competencies, methods, and materials for teaching reading and language arts to children, nursery through grade VI.

EDUC 325 Teaching and Learning in the Elementary School: Social Studies 3 hrs, 3 cr. Development of competencies, methods, and materials for teaching social studies to children, nursery through grade VI.

EDUC 330 Teaching and Learning in the Elementary School: Mathematics 3 hrs, 3 cr. Prereq: MATH 103. Development of competencies, methods, and materials for teaching math to children, nursery through grade VI.

EDUC 335 Teaching and Learning in the Elementary School: Science 3 hrs, 3 cr. Development of competencies, methods, and materials for teaching science to children, nursery through grade VI.

EDUC 350 Introduction to Theory and Practice of Teaching Reading in Secondary School 3 hrs, 3 cr. Prereq: EDFDN 261, 272, 362, methods course; coreq: EDUC 460–482. Introductory course in teaching of remedial and developmental reading in content areas of secondary schools. Required for English majors and strongly recommended for social studies and other majors.

EDUC 352 Art Education 2 hrs, 2 cr. Prereq: art majors in secondary education sequence. Materials and techniques for teaching and supervising art in elementary schools.

EDUC 353 Music Education 2 hrs, 2 cr. Prereq: music majors in secondary education sequence. Materials and techniques for teaching and supervising music in elementary schools.

EDUC 354 Secondary Education: Its Organization, Curriculum, and Methods 2 hrs, 2 cr. Prereq: EDFDN 272, 261; coreq: EDFDN 362 and past or current teaching experience. Offered E only. Current trends in organization, curriculum, and methods of American education at secondary level.

EDUC 355 Secondary School Programs and Practices in Secondary Schools 2 hrs, 2 cr. Coreq: EDUC 460–483.

EDUC 356 Language and Learning 3 hrs, 3 cr. The study of language acquisition by children, language use in social interactions, and dialect variations related to school learning and teaching.

EDUC 360–381 Methods of Teaching a Subject in Secondary Schools 3 hrs, 3 cr. Prereq: EDFDN 261, 272; coreq: EDFDN 362. Aims, problems, and methods of teaching a subject on the secondary level.

EDUC 360 Art	EDUC 371 Italian
EDUC 361 Biology	EDUC 372 Latin or Greek
EDUC 362 Chemistry	EDUC 373 Russian
EDUC 364 Earth Science	EDUC 374 Spanish
EDUC 365 Physics	EDUC 375 Health
EDUC 366 English	EDUC 376 Physical Education
EDUC 367 Chinese	EDUC 379 Mathematics
EDUC 368 French	EDUC 380 Music
EDUC 369 German	EDUC 381 Social Studies
EDUC 370 Hebrew	

EDUC 400 Seminar in Special Topics in Educational Theory 3 hrs, 3 cr. Prereq: Jr/Sr with 15 cr in education. Reading, discussion, and papers on significant topics in educational theory.

EDUC 400.54 Drug Abuse 1 hr, 1 cr (HED 306 may be substituted). Introduction to major concepts of drug addiction.

EDUC 401, 404 Fieldwork in Education 1 hr, 1 cr each

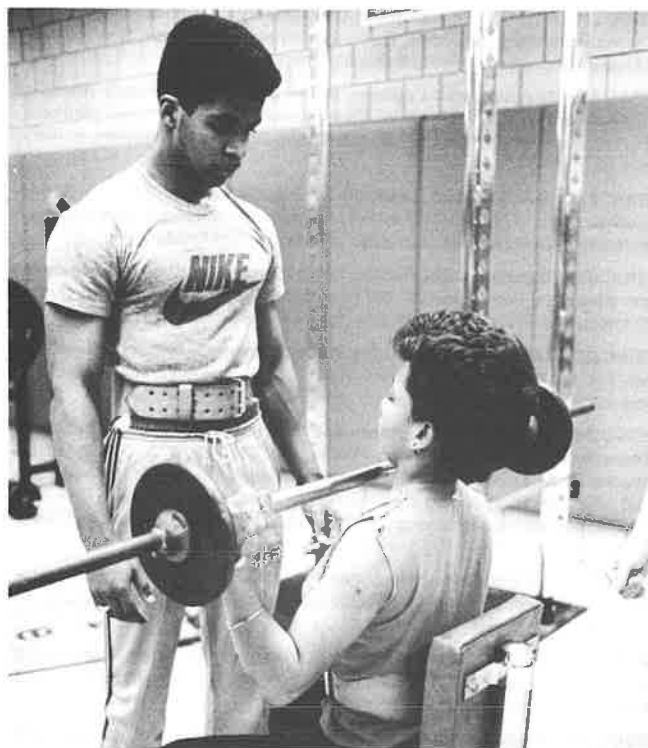
EDUC 402, 405 Fieldwork in Education 2 hrs, 2 cr each

EDUC 403, 406 Fieldwork in Education 3 hrs, 3 cr each

Independent project in an approved educational setting. Reports and conferences regarding educational activity.

EDUC 431 Teaching of Reading in a Bilingual Program (English/Spanish) 3 hrs, 3 cr. Prereq: EDFDN 211, 222; prereq or coreq: EDFDN 312. Cognitive and affective development as applied to reading instruction in learner's first and second languages.

EDUC 432 Techniques of Second-Language Teaching 3 hrs, 3 cr. Prereq: EDFDN 211, 222; prereq or coreq: EDFDN 312. Psychological and sociological theories related to acquisition of language and language-learning.



EDUC 433 Teaching English as a Second Language for the Prospective Teacher 3 hrs, 3 cr. Prereq: EDFDN 211, 222; prereq or coreq: EDFDN 312. Implications of nature of language acquisition for teaching English to speakers of other languages and systematic application of methodologies and techniques.

EDUC 434 Introduction to Linguistics for the Bilingual Teacher (English/Spanish) 3 hrs, 3 cr. Prereq: EDFDN 211, 222; prereq or coreq: EDFDN 312. Basic concepts of phonology, morphology, syntax, and semantics as they relate to bilingual classroom setting.

EDUC 435 Reading in the Elementary School 3 hrs, 3 cr. Prereq: Sr only; EDUC 320. Development of competencies in teaching of reading in elementary school classrooms.

EDUC 440 Supervised Student Teaching in Nursery School through Grade VI 20 hrs (300 clock hrs), 8 cr. Prereq: all elementary education courses except EDUC 400.54 and EDUC 435, which may be coreq. Supervised observation and student teaching in nursery school, kindergarten, or grades I–VI. Note: Applicants for student teaching in the spring semester must apply during previous October; applicants for fall semester must apply during previous March. Watch for announcement of application conference.

EDUC 460–483 Supervised Student Teaching in Secondary Schools 12 hrs (180 clock hours), 6 cr. Prereq: EDFDN 261, 272, 362, EDUC 360–381; coreq: EDUC 350 or 355. Supervised observation and student teaching in secondary schools in field of major preparation. Note: Applicants for student teaching in spring semester must apply during previous October. Applicants for fall semester must apply during previous March. Watch for announcement of application conference.

EDUC 460 Art
EDUC 461 Biology
EDUC 462 Chemistry
EDUC 464 Earth Science
EDUC 465 Physics
EDUC 466 English
EDUC 467 Chinese
EDUC 468 French
EDUC 469 German
EDUC 470 Hebrew

EDUC 471 Italian
EDUC 472 Latin or Greek
EDUC 473 Russian
EDUC 474 Spanish
EDUC 475 Health
EDUC 476 Physical Education
EDUC 479 Mathematics
EDUC 480 Music
EDUC 481 Social Studies
EDUC 483 Dance

EDUC 490 Honors Course in Educational Research 2 hrs, 2 cr. Prereq: full education sequence, including student teaching; 3.5 GPA in education courses and cumulative GPA of 2.8. Individual research in education. Admission by perm. division.

Health and Physical Education

The department offers major programs of study in health education, physical education, and human movement studies. Each of these programs can lead to careers in teaching, community settings, research, and graduate study. In addition, there is a general education program of activity courses open to all students. These activity courses satisfy the distribution requirement and enhance individual development of motor skill, physical fitness, and activity appreciation.

Distribution Requirement All students are required to take one course in activity to fulfill the 1-credit requirement. The requirement should be fulfilled by the time the student has completed 75 credits toward graduation. Students taking additional courses may use the credits as electives. Students with advanced standing in physical education should see the department chair for evaluation of courses as soon as they are admitted to the College. For a list of activity courses that will fulfill the College-wide distribution requirement in physical education, students should refer to the section "General Physical Education" on p. 77.

Major Students who wish to major in physical education or health education will find the specific requirements listed under each degree. Students should report immediately to the department for an advisor.

Minor Students who wish to minor in physical education should meet with the departmental advisor to arrange an appropriate course of study.

Preparation for Teaching The Department of Health and Physical Education offers opportunities for men and women to prepare for a career in teaching.

Electives All courses in the department are opened to qualified students who wish to take them as electives.

Honors and Individual Studies Qualified students who wish to conduct research under faculty guidance may be admitted to HED 490/PEDCO 490 or HED 480/PEDCO 480.

Field Experience Students who have completed a minimum of 9 credits in core courses may be admitted to HED 470/PEDCO 470 fieldwork. This course offers the opportunity for supervised fieldwork and can be taken more than once.

BS IN HEALTH EDUCATION

Health Education Major An undergraduate degree in health education reflects the study of daily living and how human beings promote their emotional, physical, and social well-being. The BS in health education prepares school health educators to make an impact on the school's environment, health services, and health instruction. Students are required to complete a 36-credit major and 20 credits in education.

Health Education Minor Students who wish to minor in health education should meet with the departmental advisor to arrange an appropriate course of study. Majors in elementary school education may minor in health education by fulfilling the following course requirements: HED 302 Health Appraisal and the School Health Program, HED 307 The School Health Curriculum, HED 308 Affective Teaching Strategies and Health Behavior, and a choice of one content course from HED 100 Contemporary Health Concepts, HED 305 Sex Education, or HED 306 Drugs and Drug Dependencies. This minor track is also appropriate for New York City licensed teachers who are on sabbatical leave and accruing credits at Hunter College.

Course Allocation

Distribution requirement (41–55 cr)

Education sequence (20 cr)

Required major courses (31 cr)

Selective required courses (5 cr)

Minor (12 cr)

Electives (5–19 cr)

Required and Selective Required Major Courses The following courses are required of all health education majors:

Required Major Courses (31 cr)

NFS 141 Nutrition I
 HED 100 Contemporary Health Concepts
 HED 200 Public Health or COMME 301
 HED 301 Mental Health for the Health Educator
 HED 302 Health Appraisal and School Health Program
 HED 305 Sex Education
 HED 306 Drugs and Drug Dependencies
 HED 307 The School Health Curriculum
 HED 308 Affective Teaching Strategies and Health Behavior (4 cr)
 HED 351 Safety Education and Emergency Care

Selective Required Courses (5 cr)

HED 300 Seminar: Selected Topics in Health (1–3 cr)
 HED 303 Consumer Health
 HED 304 Death and Dying
 HED 470 Fieldwork (1–3 cr)
 HED 480 Independent Study in Health Education (1–3 cr)
 HED 490 Honors in Health Education
 PEDCO 380 Foundations of Physical Fitness

HED 100 Contemporary Health Concepts 3 hrs, 3 cr. Survey of health-related issues that confront men and women in contemporary society and the promotion of healthy behavior.

HED 200 Public Health 3 hrs, 3 cr. Evolution of public health. Epidemiology, prevention, and control of communicable diseases; organization and functions of health agencies.

HED 301 Mental Health for the Health Educator 3 hrs, 3 cr. Effects of normal and abnormal behavior on interpersonal relationships; analysis and promotion of positive mental health practices through classroom experiences.

HED 302 Health Appraisal and the School Health Program 3 hrs, 3 cr. Focus on health of school children and on services and environment provided to meet those health needs.

HED 303 Consumer Health 3 hrs, 3 cr. Consumer's perspective for determining credibility and validity of health services and products.

HED 304 Death and Dying 3 hrs, 3 cr. Exploration of dying process and death; death as a natural process; learning to cope with death of loved ones; prospect of one's immortality.

HED 305 Sex Education 3 hrs, 3 cr. Overview of human sexuality through affective processes with emphasis on sociological and cultural influences.

HED 306 Drugs and Drug Dependencies 3 hrs, 3 cr. Nature of addiction and dependency. Analysis of decision-making peer pressure, and role of affective education in drug prevention education.

HED 307 The School Health Curriculum 3 hrs, 3 cr. Introduction to school health curriculum (K–12), national, state, and local curricula models, and process involved in developing health curriculum.

HED 308 Affecting Teaching Strategies and Health Behavior 4–5 hrs, 4 cr. Coreq: EDUC 375. Introduction to affective teaching strategies in health instruction. Laboratory work conducted in cooperation with local schools.

HED 351 Safety Education and Emergency Care 3 hrs, 3 cr. Approach to persons in need of emergency medical care, emphasizing basic life supports, surgical, and environmental emergencies. Opportunity to qualify for first aid and cardiopulmonary resuscitation certification.

HED 400 Seminar: Selected Topics in Health 1–3 hrs, 1–3 cr. Study of a current issue relating to role of health educator.



HED 470 Fieldwork 1–3 hrs, 1–3 cr. Prereq: written perm from dept chair prior to registration. Opportunity for majors to become involved in off-campus school or community learning experience which complements their professional preparation as health educators.

HED 480 Independent Study in Health Education 1–3 hrs, 1–3 cr. Exploration in area of special interest with faculty guidance. Topic to be approved by advisor.

HED 490 Honors in Health Education 3 hrs, 3 cr. Prereq: 3.5 GPA in major, 2.8 general GPA; completion of 24 cr in-depth study of a selected subject matter area.

PEDCO 380 Foundations of Physical Fitness 3 hrs, 3 cr. Introductory course in principles and methods of physical fitness development. Emphasis on cardiovascular and muscle endurance, strength, and flexibility development.

DEGREE PROGRAMS IN PHYSICAL EDUCATION

The department offers programs designed to meet varying career goals. Students interested in teaching physical education should elect the BS degree in physical education with professional preparation in education. Students interested in working as professionals in physical education subfields—physical fitness, recreation, gerontology, etc.—apart from teaching should elect the BS degree in physical education for non-teachers.

Students interested in studying processes underlying movement or advanced study in movement-related fields should elect the BA degree in human movement studies.

BS in Physical Education—Teaching

Core Courses (24 cr) PEDCO 250, 251, 349, 350, 351, 352, 383, 450

Activity Leadership (18 cr) PEDCO 130 or 135, 145, 210, 212, 213, 221, 225, PEDM 120 or PEDCO 148, PEDM 220 or PEDW 220, PEDCO 398 and 470. One course in swimming and 2 cr of required elective activity.

Science Requirement (15 cr) BIOL 100 and 102 (fulfills distribution requirement), or BIOL 120 and 122 (fulfills distribution requirement with approval from department chair) and 2 additional courses in biological sciences, chemistry, or physics approved by advisor.

Education Sequence (20 cr) EDFDN 261, 272, 362, EDUC 355, 376, 476

Distribution Requirement (44–52 cr) Student must complete the distribution requirement as prescribed for all undergraduate students in the BA curriculum. Within category VI (Social Sciences), the physical education major must take PSYCH 100 and 180.

Electives Students are encouraged to take 9–12 cr of concentrated work in an elective area offered by the department. (The tracks in Adapted Physical Education and in Coaching and Administration are particularly advised for students going into teaching. Students are also strongly encouraged to take STAT 113 and HED 351.

BS in Physical Education—Nonteaching

Core Courses (21 cr) PEDCO 250, 251, 349, 350, 351, 352, 450

Activity Leadership (18 cr) PEDCO 130 or 135, 145, 210, 212, 213, 221, 225. PEDM 120 or PEDCO 148, PEDM 220 or PEDW 220, PEDCO 398, 470. 1-cr swimming and 2-cr required elective activities.

Science Requirement (15 cr) BIOL 100 and 102 (fulfills distribution requirement) or BIOL 120 and 122 (fulfills distribution requirement with approval from department chair) and 2 additional courses in biological sciences, chemistry, or physics approved by advisor.

Distribution Requirement (same as BS in Physical Education—Teaching)

Elective Tracks (12 cr)

Students must take 12 cr in one of the areas listed below. Because the list is not inclusive, and the courses may vary, students must see an advisor to plan their 12-cr concentration. All BS degree students are encouraged to take HED 351.

Coaching and Administration

PEDCO 360, 361, 371, 381, and HED 351

Physical Fitness Leadership

PEDCO 380, 452, 470, HED 351, and H ECO 141

Adapted Physical Education

PEDCO 383, 452, 470, 480, and EDSPC 700

Gerontological Studies

PEDCO 340, 341, 342, and 470, HED 304, H ECO 141-E

Recreation

PEDCO 390, 391, 342, and 470

Health

HED 100, 200, 305, and 306

BA in Human Movement Studies (26-cr multidisciplinary major, 12-cr minor)

This course of study is designed for students interested in pursuing advanced degrees in movement-related fields or careers in the allied health sciences or clinical services (applied physiology, motor learning, physical or occupational therapy).

Major (26 cr) PEDCO 349, 351, 362, COMM 825, MVMT 450, MVMT 460, and with approval from advisor, 3 cr in either PSYCH 250 or BIOL 278 and 3 cr from PHILO 248, 258, or 366.

Minor (12 cr) Students take 12 cr of concentrated work in one of the following disciplines, or an approved composite of courses structured according to the student's career goals: anthropology, biological sciences, computer science, dance, interpersonal communication, philosophy, or psychology.

Electives Courses are recommended in any of the areas specified in the minor and in art, physical education, statistics, and theatre and film. Because the program of study in the major is often sequential and the minor and electives must be carefully tailored to students' career goals, students must see their advisor at least once each semester.

Distribution Requirement By virtue of entry requirements into various major courses and the requirements of the field of study, students are required to take PSYCH 100, BIOL 100 and 102 or 120 and 122, and PHILO 120 or an introductory philosophy course.

Students interested in pursuing advanced degrees in the movement sciences are encouraged to take C SCI 100 or 110, STAT 113 or 213 and MATH 150.

Students planning careers in physical or occupational therapy, applied physiology, or biomechanics are encouraged, but not required, to take a year of general physics and/or general chemistry and physiology of activity (BIOL 274). Students should carefully examine the entry requirements for graduate programs in these fields. Up to 6 credits from the minor may be applied toward the distribution requirement.

COURSE LISTINGS

Theory Courses (These courses are for majors but are open to other students by permission of the instructor or department chair.)

PEDCO 250 Foundations of Human Movement 4 hrs, 3 cr. Biomechanical foundations of human movement.

PEDCO 251 Principles of Physical Education 3 hrs, 3 cr. Principles and purposes of modern physical education programs.

PEDCO 349 Kinesiology I 3 hrs, 3 cr. Prereq or coreq: PEDCO 250. Functional anatomy and neuromotor control underlying human movement.

PEDCO 350 Kinesiology II 3 hrs, 3 cr.

PEDCO 351 Motor Learning 3 hrs, 3 cr. Prereq: PEDCO 250. Principles of motor skill development and acquisition.

PEDCO 352 Exercise Physiology 4 hrs, 3 cr. Prereq: BIOL 100 and 102 or 120 and 122. Functional, anatomical, physiological, and neuromuscular mechanism in exercise.

PEDCO 383 Adapted Physical Education 3 hrs, 3 cr. Background, objectives, and specific curriculum features of physical education and recreation for handicapped child.

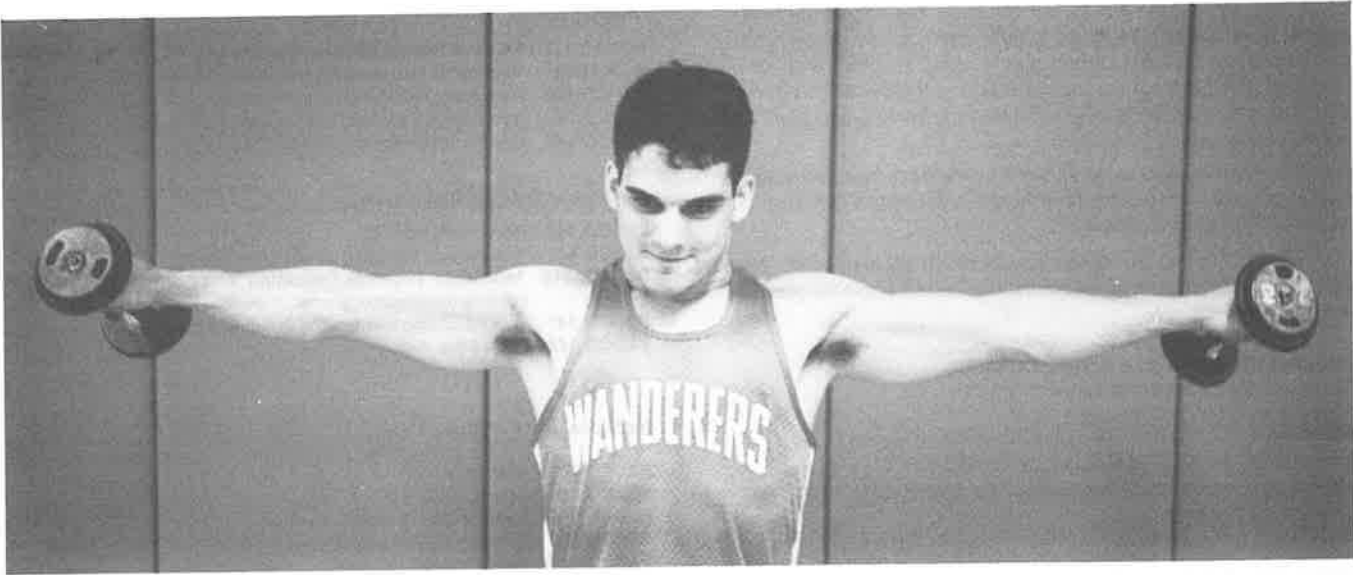
PEDCO 450 Introduction to Research and Measurement 3 hrs, 3 cr. Recom. coreq: STAT 113. For upperclassmen. Selection and use of tests and measurements in school program.

MVMT 450 Observation and Analysis of Human Movement 4 hrs, 3 cr. Prereq: PEDCO 250 and one 300-level course. Critical review of techniques used in analysis of human movement. Emphasis on analyzing motor skills.

MVMT 460 Seminar: Topics in Human Movement 2 hrs, 2 cr. Prereq: 6 cr of 300-level courses or perm. inst. Readings and discussions on selected topics or problem area in human movement.

Elective Offerings

DANTH 300 Introduction to Dance Therapy 2 hrs, 2 cr. Exploration of basic principles and techniques of using dance and movement as therapy with emotionally, physically, and mentally impaired populations.



PEDCO 340 The Aging Process 3 hrs, 3 cr. Biophysical changes and accompanying psychosocial aspects of aging.

PEDCO 341 Movement Education for the Older Adult 3 hrs, 3 cr. Theory underlying fitness, self-defense, and creative movement as related to changing physiology of older adult.

PEDCO 342 Recreation Leadership for the Older Adult 3 hrs, 3 cr. Educational concepts and leadership techniques essential for planning recreation programs for aging population in various settings.

PEDCO 360 Organization and Administration of Physical Education Programs 3 hrs, 3 cr. Administrative theory and its application.

PEDCO 361 Psychology of Coaching 3 hrs, 3 cr. Psychological dimensions of coaching sports.

PEDCO 371 Social Foundations of Sports 3 hrs, 3 cr. Prereq: SOC 101. Study of sociological ramifications of sport with special attention to relationship between sport and selected processes.

PEDCO 380 Foundations of Physical Fitness 3 hrs, 3 cr. Principles and methods of physical fitness.

PEDCO 381 Care and Prevention of Athletic Injuries 3 hrs, 3 cr. Nature, care, and prevention of athletic injuries.

PEDCO 390 Community Recreation 3 hrs, 3 cr. Open to all students. Survey of recreation programs offered in community by public, voluntary, private, and commercial agencies.

PEDCO 391 Camping and Outdoor Recreation 3 hrs, 3 cr. Open to all students. Practices and procedures in camping and outdoor recreation programs.

PEDCO 451 Workshop in Physical Education 1-3 hrs, 1-3 cr. Prereq: 12 cr in the major or perm. inst. Workshop-type course in selected area of physical education not covered in existing courses.

PEDCO 452 Corrective Exercise 2 hrs, 2 cr. Prereq: PEDCO 349 and 350. Exercise techniques for correctable skeletal-muscular problems.

PEDCO 453 Detection and Correction of Errors in Performance 4 hrs, 3 cr. Prereq: PEDCO 351 or perm. instr.; recom. coreq: PEDCO 398 or 399. Techniques and practice of detection of errors and facilitation of performance.

PEDCO 470 Field Experiences 1-3 cr. See department chair. Prereq: majors only. Practical experience in field setting or agency.

PEDCO 480 Individual Research in Physical Education 1-3 cr. See department chair. Students under faculty advisement select project of study or research in physical education topic.

PEDCO 490 Honors in Physical Education 3 cr. See department chair. Prereq: open to qualified majors who elect to be eligible for departmental honors. Students pursue an individual research topic under faculty advisement.

Activity Leadership Courses (for physical education majors only)

- PEDCO 210 Basketball** 2 hrs, 1 cr
- PEDCO 212 Volleyball** 2 hrs, 1 cr
- PEDCO 213 Soccer** 2 hrs, 1 cr
- PEDCO 221 Track & Field** 2 hrs, 1 cr
- PEDCO 225 Tennis** 2 hrs, 1 cr
- PEDCO 227 Games of Low & Intermediate Organization** 2 hrs, 1 cr
- PEDCO 228 Rhythmic Activities for Children** 2 hrs, 1 cr
- PEDCO 398 Teaching Practicum** 2 hrs, 2 cr
- PEDCO 399 Teaching Practicum** 2 hrs, 2 cr
- PEDM 220 Gymnastics for Men** 2 hrs, 1 cr
- PEDW 220 Gymnastics for Women** 2 hrs, 1 cr

Recommended Elective Activity Leadership Courses (for physical education majors)

- DAN 111 Contemporary Dance Technique** 3 hrs, 2 cr
- DAN 151 Folk Forms** 2 hrs, 2 cr
- DAN 252 Cultural Dance**
- PEDM 222 Wrestling/Weight Training** 2 hrs, 1 cr
- PEDW 211 Softball** 2 hrs, 1 cr

GENERAL PHYSICAL EDUCATION

The physical activities curriculum is divided into three coded groupings: PEDW, courses for women; PEDM, courses for men; PEDCO, coeducational courses.

Physical Activity Card All students entering Hunter College must submit proof of a recent medical examination and chest X-ray to the College medical office. A physical activity card will be issued and must be presented by the student at the first meeting of all physical education classes and co-curricular activities.

Uniforms All students enrolled in physical education classes must wear sneakers or other appropriate footwear. In most physical education classes shorts, T-shirts, and/or sweat pants are recommended and/or required.

Basket and Uniforms Rental The Department of Health and Physical Education has a voluntary rental plan that is available to all participants in physical education and recreation programs. For

a non-refundable fee of \$15.00 per semester, the department will provide a storage basket, towel, T-shirt, shorts, socks, laundry service, full-length dressing lockers during use of facilities, and, for men, an athletic supporter. Each student must provide his/her own footwear, which can be stored in the security basket, along with the uniform equipment.

For a fee of \$5.00 per semester, we will provide: a lock and storage basket, a towel with laundry service, and a full-length dressing locker during use of facilities.

Lockers Lockers are available for use on the B2 level of the West building. Lockers for physical education classes are to be used on a daily basis only.

GENERAL PHYSICAL EDUCATION COURSES

(Courses satisfying the distribution requirement)

Aquatics

- PEDCO 100 Beginning Swimming** 2 hrs, 1 cr
PEDCO 200 Intermediate Swimming 2 hrs, 1 cr. Prereq: PEDCO 100 or equiv.
PEDCO 201 Advanced Swimming 2 hrs, 1 cr. Prereq: PEDCO 200 or equiv.
PEDCO 202 Synchronized Swimming 2 hrs, 1 cr. Prereq: PEDCO 200 or equiv.
PEDCO 300 Advanced Life Saving 2 hrs, 1 cr. Prereq: PEDCO 201 or perm. inst.
PEDCO 400 Aquatic Leadership 2 hrs, 2 cr. Prereq: HED 351 and PEDCO 300

Combatives

- PEDCO 115 Fencing** 2 hrs, 1 cr
PEDCO 117 Karate (Tai Kwon Do) 2 hrs, 1 cr
PEDCO 120 Wrestling 2 hrs, 1 cr
PEDCO 122 Self-defense 2 hrs, 1 cr
PEDCO 215 Intermediate Fencing 2 hrs, 1 cr. Prereq: PEDCO 115

Dance

- PEDCO 130 Folk and Square Dance** 2 hrs, 1 cr
PEDCO 132 Beginning Afro-American Dance 2 hrs, 1 cr
PEDCO 135 Beginning Modern Dance 2 hrs, 1 cr
PEDCO 232 Intermediate Afro-American Dance 2 hrs, 1 cr
PEDCO 235 Intermediate Modern Dance 2 hrs, 1 cr

Fitness and Conditioning Activities

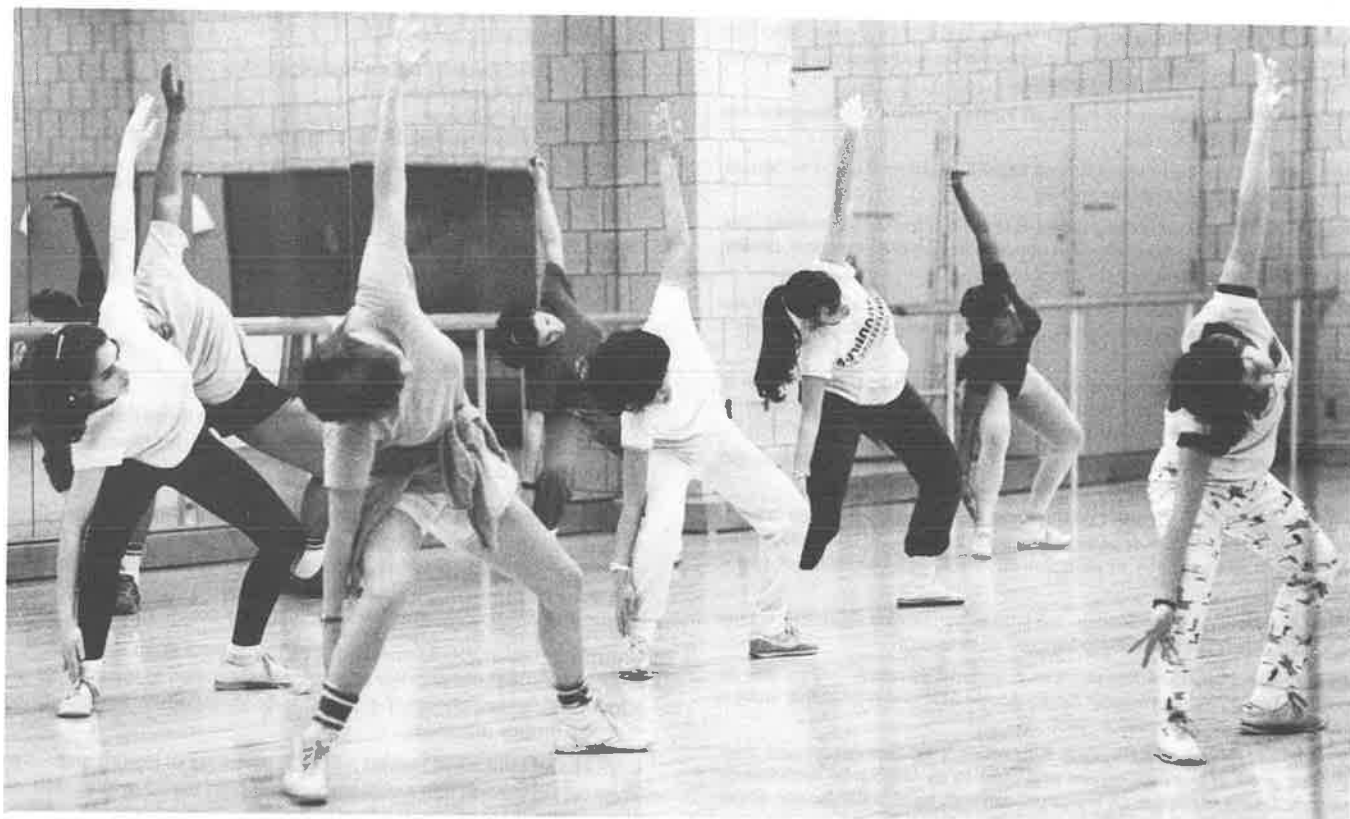
- PEDCO 144 Aerobics** 2 hrs, 1 cr
PEDCO 145 Fitness and Weight Control 2 hrs, 1 cr
PEDCO 146 Individual Physical Education 2 hrs, 1 cr. For students needing modified programs.
PEDCO 147 Weight Lifting and Weight Training 2 hrs, 1 cr
PEDCO 148 Yoga 2 hrs, 1 cr

Individual and Dual Sports

- PEDCO 163 Golf** 2 hrs, 1 cr
PEDCO 164 Tennis 2 hrs, 1 cr
PEDCO 165 Intermediate Tennis 2 hrs, 1 cr
PEDCO 170 Rhythmic Gymnastics 2 hrs, 1 cr
PEDCO 171 Racquetball 2 hrs, 1 cr
PEDCO 172 Handball 2 hrs, 1 cr
PEDM 167 Men's Gymnastics 2 hrs, 1 cr
PEDM 267 Men's Intermediate Gymnastics 2 hrs, 1 cr. Prereq: PEDM 167
PEDW 166 Women's Gymnastics 2 hrs, 1 cr
PEDW 266 Women's Intermediate Gymnastics 2 hrs, 1 cr. Prereq: PEDW 166

Team Sports

- PEDCO 175 Basketball** 2 hrs, 1 cr
PEDCO 178 Soccer 2 hrs, 1 cr
PEDCO 179 Volleyball 2 hrs, 1 cr



Energy Policy Studies

Program Office West Building room 1148, phone 772-4158

Director Dolores Greenberg

Executive Committee Gross (Anthropology), Erickson (Political Science), Greenberg (History), Landesman (Philosophy), Niman (Curriculum and Teaching), Poppendieck (Sociology), Price (Geology & Geography), Randall (Economics), Shahn (Biological Sciences), Shay (Mathematics)

Advisor Dolores Greenberg

Energy Policy Studies is designed as an interdisciplinary program that advances a student's understanding of the issues that link science, technology, and society. Concentrating on the critical role of energy as a physical and social force, students examine what energy is, how it has been used in different societies, and why it has historically been crucial for human welfare and social change.

The program's core courses, taught by faculty from all divisions of the College, focus on the interaction between energy issues and ethics and values, economic organization, political institutions, and the social process. The policy-studies emphasis of the program provides students with the concepts and analytic tools for understanding institutional conflicts and for assessing public policy formation and decisions.

Students trained in this program develop broad perspectives on how transitions to new technologies are absorbed in changing cultural contexts. They also acquire the techniques of policy analysis. This background enhances graduate options in master's and doctoral degree programs in energy-related areas. It also prepares students for expanding employment opportunities in a wide range of fields, including accounting and auditing, engineering, health care, consumer affairs, architecture, environmental protection and design, community organization, urban planning, communications and media, law, and business.

Collateral Major Students who choose the 18-credit collateral major, which leads toward a BA degree, must complete 2 core courses (EPS 101, 201) and the research seminar (EPS 481). They also select either 9 credits from the recommended electives or 6 elective credits plus an internship. (With the collateral major, students are still required to take a traditional major, but they can use their Energy Policy Studies credits to replace a minor concentration.)

Minor The 12-credit minor consists of 2 core courses (EPS 101, 201) and either 6 credits from the recommended electives or 3 elective credits plus an internship.

Internships Students can receive from 1 to 6 credits for internships in government agencies, consumer and activist groups, business and industry, and media organizations involved in energy issues (e.g. Council on the Environment of NYC, Energy Task Force, NY State Assembly, Sierra Club, International Earthcare Center, NY State Department of Energy, Brooklyn Union Gas).

out under faculty guidance. Independent study project will normally involve a fairly extensive term paper.

EPS 481 Seminar in Energy Policy Studies 3 hrs, 3 cr. Prereq: EPS 101 and 201. Reading, research, and discussion on a selected topic in Energy Policy Studies. Topic, announced in advance, is chosen to permit cross-disciplinary analysis.

EPS 498.01 to .06 Inservice Learning Program 1-6 cr. Prereq: perm. director. Opportunities for work off campus in institutions involved in formulation and/or implementation of energy policy.

Recommended Electives 3-credit courses unless otherwise noted.

ANTHC 725 Sex and Gender in Anthropological Perspective
ANTHC 308 Cultural Ecology

ECO 355 Industrial Organization and Social Control of Business
ECO 395 Selected Topics: Energy, Economics, and Policy
ECO 755 Business Enterprise and Public Policy

EDUC 400 Seminar in Special Topics: Workshop in Energy Curriculum Materials Development

GEOL 205 Environmental Geology
GEOL 362 Petroleum Geology
GEOG 101 People and Their Environment
GEOG 133 Geography in World Affairs (1 cr)
GEOG 221 Economic Geography (4 cr)
GEOG 226 Environmental Conservation: Resource Management
GEOG 227 Environmental Conservation: Urban Problems
GEOG 274 Regional Geography of Middle East and North Africa

HIST 376.51 Middle East Today
HIST 383/483 Problems in American History: The Industrial Revolution: Energy, Technology, and Modernization
HIST 774.52 Topics: The Corporation in American Society

MATH 295 Intermediate Topics in Math: Science/Math Models for Energy Policy

MEDIA 393 Media Criticism

PHILO 118 Philosophy, Politics, and Society
PHILO 246 Social and Political Philosophy
PHILO 378.52 Questions of War and Peace

POLSC 217.4 Politics of the Energy Crisis
POLSC 272 Politics of Nuclear Power
POLSC 273.53 US-Soviet Relations and the Nuclear Arms Race

SCI 300 Nature and Limitations of Science

SOC 235 Community Organization and Action

URBS 401 Managing the Urban Physical Environment
URBP 708 Environmental Planning
URBP 787.68 Selected Energy Topics in Planning and Urban Affairs

COURSE LISTINGS

EPS 101 The Human Uses of Energy 3 hrs, 3 cr. Offered D/Fa. Principles of energy; energy and social change in agricultural, industrial, and developing societies; contemporary problems and alternate energy systems.

EPS 201 Policy Problems of Energy 3 hrs, 3 cr. Offered D/Sp. Techniques and tools used by policy planners. Social, economic, political, and ethical aspects of energy policy-making both nationally and internationally.

EPS 301, 302 Independent Study in Energy Policy Studies 3 cr. each sem. Prereq: perm. director. Independent reading or research project carried

English

Department Office West Building room 1212, phone 772-5070

Chair Charles Persky

Professors Benardete, Brady, Danziger, Dean, Gordon, Holder, W. Johnson, Kuner, Levin, Lorde, Lyons, Moe, Pinciss, Quinn, Ridenour, Willen, Williams

Associate Professors Barickman, Bornhauser, Brick, Brodtkorb, De Salvo, Edwards, Greenberg, Holm, H. Johnson, Minkoff, Persky, Potter, Raimés, Stone

Assistant Professors Brett, Brinberg, Leoff, Melamed, Parry, Rahn, Winn

Instructor Parry, Platt, Roshkow

Lecturer Myers

Advisors (day) Louise DeSalvo (evening) Richard Brett

The English Department offers students a variety of courses in British and American literature, as well as in writing fiction and poetry. Taught from a number of points of view—literary, historical, ethical, psychological, sociological—they deepen the students' insight into the nature and value of human experience and at the same time prepare them for almost any profession in which language and self-expression are essential. The department encourages disciplined, original thinking and writing, while its small classes enhance learning through stimulating discussions.

Introductory and intermediate courses present a wide range of literary forms, periods, and genres in British and American literature. Students who major in English may concentrate on British literature, American literature, or writing. Qualified students may enroll in Honors Program seminars and tutorials. The English Department participates in Hunter's interdisciplinary programs in English Language Arts, Comparative Literature, Women's Studies, and Religion.

The English major provides a foundation for careers in writing, teaching, journalism, law, or business that depend on the ability to read analytically and write effectively.

Distribution Requirement ENGL 220 is prerequisite to all other English Department courses in British and American literature; it fulfills Part 1 of the literature requirement in Category IV. ENGL 250, 252, 253, or 254 fulfill Part 2 of the literature requirement in Category IV. With the permission of the department, specially qualified students may use a 300-level course in literature to satisfy Parts 1 and 2 of the distribution requirement.

Major The English Department offers 4 areas of concentration within the major: two in literature, one in writing, and a major/minor for students prepared to teach in secondary schools. Only 24 credits in 300 or 400-level courses are required for each concentration, but we strongly recommend 27 credits. Students who plan to major in English should take ENGL 252, 253, or 254 before taking 300-level courses. Up to 6 credits in the major sequence may be taken for CR/NCR with the written permission of the departmental advisor.

Students considering graduate study in British or American literature should have a reading knowledge of at least one foreign language (preferably two for the PhD). French, German, and Latin are languages usually recommended or required by graduate schools.

Students majoring in English are urged to take courses in such related fields as art, classics, communications, comparative literature, foreign languages, history, music, philosophy, religion, theatre and film.

I. Concentration in British Literature

This program gives a thorough grounding in the major authors and periods of British literature. The core curriculum allows consid-

erable choice among specific courses, and students may include courses in comparative literature, writing, or other areas of special interest. The 24 credits required for this concentration include one course from each of the following groups:

1. ENGL 393 (Western Literary Backgrounds of British and American Lit.) 3 cr. (HUM 380, The Western Tradition, may be substituted for ENGL 393 with the approval of the undergraduate advisor.)
2. ENGL 335 (Chaucer) 3 cr.
3. ENGL 352, 353, or 354 (Shakespeare) 3 cr.
4. Two courses in British literature before 1800 (exclusive of Shakespeare) 6 cr.
5. Three additional 300 or 400-level courses, at least one of which is in American literature. One of the other two courses may be in the history and structure of the English language or in writing or in comparative literature. 9 cr.

II. Concentration in American Literature

All major authors and periods of American literature may be studied in a variety of formats.

The required courses include:

1. ENGL 393 (Western Literary Backgrounds of British and American Lit.) 3 cr. (HUM 380, The Western Tradition, may be substituted for ENGL 393 with the approval of the undergraduate advisor.)
2. ENGL 352, 353, or 354 (Shakespeare) 3 cr.
3. ENGL 335 or 361 (Chaucer or Milton) 3 cr.
4. Four courses in American literature. At least 2 courses must be in writers before 1900. 12 cr.
5. One additional course in British literature. 3 cr.

III. Concentration in Writing

Students in this concentration study British and American literature but also develop their own capacity to create original works. They have the opportunity to write fiction, poetry, essays, and drama. The courses in writing are conducted as small seminars and individual tutorials. This program culminates in an individual writing project.

1. Literature (12 cr)
 - A. ENGL 393 (Western Literary Backgrounds of British and American Lit.) 3 cr. (HUM 380, The Western Tradition, may be substituted for ENGL 393 with the approval of the undergraduate advisor.)
 - B. ENGL 352, 353, or 354 (Shakespeare) 3 cr.
 - C. Two additional 300 or 400-level courses in British or American literature (except ENGL 389) 6 cr. Students are strongly urged to select one literature course in the genre in which they are specializing.

2. Writing (12 cr)

Four courses chosen from 300-level writing workshops (such as ENGL 301, 308, and 309, essay writing; ENGL 311, 313, 314, and 316, fiction and poetry; THEA 379, playwriting; and FILM 370, film writing). Qualified students may, with permission of the undergraduate advisor, use ENGL 485, the tutorial writing project, as one of the 4 writing courses.

IV. Major/Minor in English and English Language Arts

This special major/minor prepares students to teach English in secondary schools. Together with the requirements of the Division of Programs in Education, this program meets certification and licensing requirements for New York State and New York City public schools. Students take courses in literature, writing, and language study as preparation for teaching in secondary schools,

which are increasingly concerned to develop fluent speakers, readers, and writers of English.

The required courses are:

1. ENGL 201 (Intermediate Expository Writing) or ENGL 218 (Advanced Expository Writing) 3 cr.
2. ENGL 352, 353, 354 (Shakespeare) 3 cr.
3. One additional 300-level course in British literature 3 cr.
4. ENGL 393 (Western Literary Backgrounds in British and American Lit) 3 cr. (HUM 393 with the approval of the undergraduate advisor.)
5. Two 300-level courses in American literature 6 cr.
6. ENGL 301 (Theory and Practice of Exposition) 3 cr.
7. ENGL 331 (Structure of Modern English) 3 cr.
8. One course in spoken language (group discussion, argument and persuasion, creative dramatics, acting, etc.) 3 cr.
9. One course in the study of the language (sociolinguistics, history of the English language, language and culture, semantics, language of critical thinking, etc.) 3 cr.
10. Three additional courses (300 or 400-level), selected with the approval of the undergraduate advisor, from the following departments: English, Communications, Theatre & Film, Anthropology (linguistics), Classics, Comparative Literature, Black & Puerto Rican Studies (literature courses), foreign languages (advanced literature courses or literature in translation) 9 cr.

Honors Program Two courses have been specially designed for the English honors program: the honors seminar (ENGL 494) and the honors essay (ENGL 495). A student who completes these courses successfully and achieves a GPA in major courses of at least 3.5 and a cumulative GPA of at least 2.8 at the time of graduation will be awarded departmental honors.

Note: The 2 honors courses are required in addition to the specified courses in the student's particular concentration. Some adjustments in specified courses may be made with the permission of the department, but students in the honors program are urged to take at least 30 credits in major courses. Students interested in the honors program should see the undergraduate advisor.

Minor 12 credits are required for the minor. The area is not restricted, but students should consult the undergraduate advisor about the choice of an appropriate minor. Minor courses may not be used to fulfill the distribution requirement. Students must have at least one 300-level course and no more than two 100-level courses for the minor.

Four-year BA/MA Program in English For a limited number of outstanding students, the department offers a 4-year BA/MA program in English. The program may be completed in 125–128 credits of college work (95–98 undergraduate, 30 graduate). Interested and qualified students should consult an advisor at the earliest possible date.

Graduate Study Qualified students in their junior and senior years may be admitted to graduate courses with the approval of the graduate advisor.

Preparation for Teaching In cooperation with the Division of Programs in Education, the Department of English provides opportunities for students to prepare for a career in teaching at the elementary and secondary levels. See the Major/Minor in English and English Language Arts—section IV above.

COURSE LISTINGS

ENGL 001 Reading I 3 hrs, 1 cr. Placement test required. Basic comprehension: main idea, detail, inference, vocabulary. Study skills.

ENGL 002 Reading II 3 hrs, 2 cr. Placement test required. Critical reading of varied textbook materials. Efficient study skills and test-taking.

ENGL 003 English for Bilingual Students I 6 hrs + conf., 1 cr. Placement test required. Frequent writing: emphasis on basic grammar, sentence structure, vocabulary, idiom.

ENGL 004 English for Bilingual Students II 6 hrs + conf., 1 cr. Placement test required. Frequent paragraphs and essays: organizing, correcting grammar and sentence structure.

ENGL 005 English for Bilingual Students III 3 hrs + conf., 2 cr. Placement test required. Frequent essays: organizing ideas, revising, improving sentence variety, idiomatic structure.

ENGL 014 Writing Workshop I 3 hrs + conf., 1 cr. Placement test required. Frequent writing and editing practice: special attention to standard written English forms.

ENGL 015 Writing Workshop II 3 hrs + conf., 2 cr. Placement test required. Frequent essay practice: organizing, revising, proofreading for grammar and punctuation.

ENGL 120 Expository Writing 3 hrs + conf., 3 cr. Prereq: successful completion of remedial courses, if required. Required of all students unless exempt; trains students to analyze, develop, and evaluate ideas and to express themselves clearly and effectively.

ENGL 220 Introduction to Literature 3 hrs + conf., 3 cr. Prereq: ENGL 120. Close readings in British and American fiction, drama and poetry designed to increase students' understanding and appreciation of literature. **PREREQUISITE TO ALL ENGL COURSES NUMBERED ABOVE 220.**

ENGL 250 Topics in Literature* 3 hrs, 3 cr. Specific critical and thematic approaches to selected works in British and American literature. May be taken twice if topic differs, but not more than twice.

ENGL 252 Literary Analysis* 3 hrs, 3 cr. Study of selected major works with emphasis on techniques of literary analysis and on a variety of critical approaches.

ENGL 253 Survey of English Literature I* 3 hrs, 3 cr. Chronologically arranged readings in English literature from medieval period through the 17th century.

ENGL 254 Survey of English Literature II* 3 hrs, 3 cr. Chronologically arranged readings in English literature from the 18th century through the Victorian period.

Writing

ENGL 201 Intermediate Expository Writing Using Small-group Methods 3 hrs, 3 cr. Prereq: ENGL 120. Additional practice in expository writing; small classes (8–10).

ENGL 218 Advanced Expository Writing 3 hrs, 3 cr. Prereq: ENGL 120. Frequent writing practice, with emphasis on clarity, style, and organization.

ENGL 301 Theory and Practice of Expository Writing* 3 hrs, 3 cr. Composition in variety of nonfiction prose forms and study of rhetorical theories.

ENGL 308 Essay Writing I* 3 hrs, 3 cr. Theory and practice of nonfiction writing. Focus on short essay.

ENGL 309 Essay Writing II* 3 hrs, 3 cr. Prereq: ENGL 308. Advanced theory and practice of writing nonfiction. Focus will be on longer essays.

ENGL 311* Workshop in Fiction I 3 hrs, 3 cr. Theory and practice of fiction writing.

ENGL 313 Workshop in Fiction II* 3 hrs, 3 cr. Prereq: ENGL 311 or perm. inst. Advanced theory and practice of fiction writing.

ENGL 314 Workshop in Poetry I* 3 hrs, 3 cr. Theory and practice of writing poetry.

ENGL 316 Workshop in Poetry II* 3 hrs, 3 cr. Prereq: ENGL 314, or perm. inst. Advanced theory and practice of writing poetry.

* Courses so marked require ENGL 220 as prerequisite



Language and Literature

- ENGL 306 Literary Criticism*** 3 hrs, 3 cr. Major theories of literature from Aristotle to the present, with emphasis on contemporary trends.
- ENGL 331 The Structure of Modern English*** 3 hrs, 3 cr. Development and present character of English, with emphasis on recent approaches to science of language.
- ENGL 332 History of the English Language*** 3 hrs, 3 cr. Study of development of the language to present time.
- ENGL 335 Chaucer*** 3 hrs, 3 cr. Study of Chaucer, with emphasis on *Canterbury Tales*.
- ENGL 336 Medieval Literature (1100–1500)*** 3 hrs, 3 cr. Selected works include examples of epic, romance, satire, allegory, and lyric.
- ENGL 337 Literary Aspects of Folklore*** 3 hrs, 3 cr. Studies of folktales, ballads, and legends in their relationship to written literature.
- ENGL 351 The Age of Elizabeth I*** 3 hrs, 3 cr. Major emphasis on work of Spenser; readings in other Elizabethan poetry and prose.
- ENGL 352 Shakespeare Survey*** 3 hrs, 3 cr. A survey of Shakespeare's plays. For students who do not intend to elect ENGL 353 or 354.
- ENGL 353 Shakespeare I*** 3 hrs, 3 cr. Study of works from first half of Shakespeare's career.
- ENGL 354 Shakespeare II*** 3 hrs, 3 cr. Study of works from second half of Shakespeare's career.
- ENGL 355 Selected Studies in Shakespeare*** 3 hrs, 3 cr. Topics vary from semester to semester.
- ENGL 360 The 17th Century*** 3 hrs, 3 cr. Emphasis on work of John Donne; survey of other poetry and prose (exclusive of Milton).
- ENGL 361 Milton*** 3 hrs, 3 cr. Poetry and selected prose of Milton, with special emphasis on critical reading of *Paradise Lost*.
- ENGL 362 English Drama of Restoration and 18th Century*** 3 hrs, 3 cr. The theatre of such playwrights as Etherege, Wycherly, Dryden, Otway, Congreve, Gay, Goldsmith, and Sheridan.
- ENGL 364 The Age of Satire*** 3 hrs, 3 cr. Poetry and nonfiction prose, chiefly of Dryden, Pope, and Swift.
- ENGL 365 The Later 18th Century*** 3 hrs, 3 cr. Poetry and nonfiction prose, with emphasis on Johnson, Boswell, and Blake.
- ENGL 368 The 18th-century English Novel*** 3 hrs, 3 cr. Major emphasis on Bunyan, Defoe, Fielding, Richardson, Sterne, and Austen.
- ENGL 369 The 19th-century English Novel*** 3 hrs, 3 cr. Major emphasis on Dickens, Thackeray, the Brontës, George Eliot, Hardy, and Meredith.
- ENGL 372 Romantic Poetry*** 3 hrs, 3 cr. Intensive study of 2 or 3 major poets—Wordsworth, Coleridge, Byron, Shelley, Keats.
- ENGL 373 Victorian Literature*** 3 hrs, 3 cr. Study of such authors as Tennyson, Browning, Arnold, the Rossettis, Swinburne, Carlyle, Ruskin, and Newman.
- ENGL 374 20th-century British Poetry*** 3 hrs, 3 cr. Study of such poets as Yeats, Lawrence, Auden, Thomas, Hughes, and Larkin.
- ENGL 375 20th-century American Poetry*** 3 hrs, 3 cr. Study of such poets as Eliot, Pound, Williams, Crane, Frost, and Stevens.
- ENGL 376 20th-century British Fiction*** 3 hrs, 3 cr. Study of such authors as Conrad, Joyce, Lawrence, Forster, Woolf, Waugh, Beckett, and Lessing.
- ENGL 377 20th-century American Fiction*** 3 hrs, 3 cr. Study of such authors as Dreiser, Wharton, Fitzgerald, Hemingway, Faulkner, Porter, Warren, O'Connor, Nabokov, and Bellow.
- ENGL 378 20th-century British Drama*** 3 hrs, 3 cr. Study of such authors as Wilde, Shaw, Yeats, O'Casey, Eliot, Beckett, Osborne, and Pinter.
- ENGL 379 20th-century American Drama*** 3 hrs, 3 cr. Study of such authors as O'Neill, Wilder, Hellman, Miller, Williams, Hansberry, and Albee.
- ENGL 380 Irish Literary Renaissance*** 3 hrs, 3 cr. Study of leading Irish writers of early 20th century: Joyce, O'Casey, Synge, and Yeats.
- ENGL 381 Literary Study of the Old Testament*** 3 hrs, 3 cr. Emphasis on the variety of literary forms in Old Testament and on stylistic qualities of King James translation.
- ENGL 383 Topics in Renaissance Literature*** 3 hrs, 3 cr. Topics vary from semester to semester.
- ENGL 384 Topics in Restoration and 18th-century Literature*** 3 hrs, 3 cr. Topics vary from semester to semester.
- ENGL 385 Topics in 19th-century Literature*** 3 hrs, 3 cr. Topics vary from semester to semester.
- ENGL 386 Topics in British and American Literature*** 3 hrs, 3 cr. Topics vary from semester to semester.
- ENGL 387, 388 Selected Studies in British Literature*** 3 hrs, 3 cr. Pre-req: ENGL 220 and 3-cr elective course in English. Authors or topics vary from semester to semester.
- ENGL 389 One Major Writer*** 3 hrs, 3 cr. Authors vary from semester to semester. May be taken more than once with perm. dept.
- ENGL 393 Western Literary Backgrounds of British and American Literature*** 3 hrs, 3 cr. Major works of Western literature in translation. Required of all English majors. Should be taken early in the major.
- ENGL 394 World Literature: Drama*** 3 hrs, 3 cr. Selected plays—classical, medieval, and modern—including dramatic criticism. Not credited toward the English major.
- ENGL 395 American Prose Before the Civil War*** 3 hrs, 3 cr. Study of major figures of colonial and romantic periods in relation to their times.
- ENGL 396 American Prose (1871–1914)*** 3 hrs, 3 cr. Study of such authors as Twain, Howells, James, Dreiser, Crane, and Wharton.
- ENGL 397 American Poetry to 1914*** 3 hrs, 3 cr. Study of Taylor, Poe, Emerson, Whitman, Dickinson, and E. A. Robinson.
- ENGL 398, 399 Selected Studies in American Literature** 3 hrs, 3 cr. Pre-req: ENGL 395 or 396. Authors or topics vary from semester to semester.
- ENGL 485 Individual Tutorial Project*** 1 sem., 3 cr. Pre-req: perm. dept. Research paper or substantial creative work written under direction of a full-time instructor.
- ENGL 494 Honors Seminar: Special Studies*** 1 sem., 3 cr. Pre-req: perm. dept. and inst. Topics in British and American literature and linguistics. May be taken a second time in another subject.
- ENGL 495 Honors Essay*** 1 sem., 3 cr. Pre-req: perm. dept. and inst. Individual research and writing of honors essay under direction of a full-time instructor.
- ENGL 498 Inservice** 1–6 hrs, 1 cr for each hr. Pre-req: perm. chair. Opportunities of working in positions of responsibility in professional institutions for academic credit.

* Courses so marked require ENGL 220 as prerequisite

English Language Arts

Program Office West Building room 1019, phone 772-4693

Chair David Cooper

Committee DeSalvo (English), Cooper (Curriculum & Teaching), Minkoff (English), Ayravainen (Communications), Sternberg (Theatre)

English Language Arts is not a department, but an interdisciplinary major leading to the Bachelor of Arts degree. It is open to all students, but it may be particularly suitable for prospective elementary school teachers.

The required and recommended courses in this program have been selected for their relevance to the elementary school curriculum and for the breadth they offer to elementary school teachers who may find a traditional major too specialized for their needs.

Careers other than teaching for which a language arts background is desirable include those which call for facility with spoken and/or written language, such as public relations, advertising, and the communications media. Students interested in the growing field of linguistics will also find English Language Arts an appropriate undergraduate major, particularly if they are interested in the application of linguistics to such educational problems as second-language learning, dialect variations, and beginning reading instruction.

Distribution Requirement Students are advised to take basic courses in English, communications, and theatre and film, particularly those that are prerequisites for advanced courses in the English Language Arts major. No courses offered toward fulfillment of the major may also be offered toward the distribution requirement. No more than 6 credits of the minor may also be offered toward the distribution requirement.

Major Requirements (24 cr)

Language (6 cr)

Required:

ENGL 331 The Structure of Modern English

and one of the following:

ENGL 332 History of the English Language

BLPR 181 Language and Ethnic Identity

ANTHC 351 Language and Culture

ANTHC 352 Language in Society

ANTHC 353 Phonological Analysis and Theory

ANTHC 354 Grammatical Analysis and Theory

COMM 215 Phonetics

COMM 326 Semantics

EDUC 356 Language and Learning

or an approved equivalent.

Spoken Arts (6 cr)

Two of the following:

THEA 171 Introduction to Theatre

THEA 250 Creative Dramatics

THEA 251 Theatre for Children

FILM 120 Introduction to Cinema

COMM 250 Small Group Communications

COMM 320 Psychology of Communication

COMM 330 Communication in Conflict Resolution

or approved equivalents.



Writing (3 cr)

ENGL 201 Intermediate Expository Writing

ENGL 308 Essay Writing

ENGL 311 Workshop in Fiction I

ENGL 314 Workshop in Poetry I

THEA 379 Playwriting

MEDIA 292 Basic Reporting

or an approved equivalent.

Literature (9 cr)

Required:

ENGL 252 Literary Analysis (or 253 or 254)

ENGL 352 Shakespeare Survey (or 353 or 354)

Elective:

Any 300-level course in literature approved by the English Language Arts advisor (may be selected from courses in English, comparative literature, foreign language, Black and Puerto Rican studies, or classics).

Minor The elementary education sequence may be used to fulfill the minor requirement. Non-teaching candidates may select any minor of their choice.

Honors Departmental honors will be awarded to a student who completes an honors tutorial project (explained below) and attains a major GPA of 3.5 and a cumulative GPA of 2.8 by the time of graduation.

Honors Tutorial Project 1 sem, 3 cr. Individual research and writing of honors essay or project report on topic related to English language arts. The student's work will be supervised by a cooperating member of any of the departments whose courses comprise the English Language Arts major and the student will be enrolled in the individual honors course in that supervisor's department: ENGL 485, THEA 402, COMM 402, or EDUC 403. Open to qualified juniors and seniors by permission of the English Language Arts advisor.

Geology and Geography

Department Office North Building room 1006, phone 772-5265

Chair Alan H. Strahler

Professors Heatwole, Rodriguez, Strahler

Associate Professors Clarke, Crane, Gavasci, Liebling, Price, Robinson, Scherp, White

Assistant Professors Band

Advisors (day and evening) Department Office

The department offers courses in geology, human geography, physical geography, and geographic techniques and methods. Students may specialize in either geology or geography. These majors provide preparation both for graduate study and immediate employment. Courses in all of these fields are valuable parts of a general liberal education, developing an awareness of earth phenomena and the role these play in the lives of people. Many of these courses are concerned with the environmental problems that are of so much concern today, and either major with a suitable minor can provide a well-rounded program of environmental studies.

Distribution Requirement Pages 22–23 list the courses in this department that meet the distribution requirement for Categories I and IV. Courses used to satisfy the requirements for a major cannot be used to satisfy the distribution requirement. No more than 6 credits of the minor may be offered toward the distribution requirement.

Geology

Students who expect to do graduate work in geology are strongly advised to take chemistry, physics, and calculus, and we suggest, but do not require, that those who plan to continue the study of geology on the doctoral level elect French, German, or Russian to meet the foreign language portion of the distribution requirement.

Geology Major (30½ cr) The geology major consists of 30½ credits as follows: GEOL 101, 102, 242, 246, 252, 262, 351, and 352. Students should take at least 3 different 300/400 level courses. Prerequisite or corequisite: one year of high school or college chemistry.

Geography

Students who expect to do graduate work in geography are advised to take statistics and/or computer science, and we suggest, but do not require, that those planning to continue to the doctoral level elect the language of the area of regional specialization.

Geography Major (30½ cr) The geography major consists of a minimum of 30½ credits, as follows: 18½ cr in GEOL 101, PGEOG 130, GEOG 101, GEOG 221, AND GEOG 251; a minimum of 6 credits selected from 200-level courses with a PGEOG, GTECH, or GEOG prefix and a minimum of 6 credits selected from 300-level courses with a PGEOG, GTECH, or GEOG prefix, except GEOG 391, GEOG 392, AND GEOG 393.

Minors Geology and geography majors take 12 credits in one or 2 appropriate fields of study, but no more than 6 of those credits may be applied to the distribution requirement. Geology majors may minor in anthropology, art, biology, chemistry, computer science, education, geography, mathematics, physics, or statistics. Geography majors may minor in a wide variety of fields but must secure permission from their major advisor. For information concerning approved courses in the minor, students should consult the chair of the Department of Geology and Geography.

Preparation for Teaching In cooperation with the Division of Programs in Education, the Department of Geology and Geography provides opportunities for students to prepare for teaching earth science, general science, and social studies in secondary schools. Students who wish to meet the certification requirements for teaching in the public secondary schools in the State of New York should consult the Education statement in this catalogue.

Teaching Earth Science and General Science in Secondary Schools To qualify for the provisional (or substitute) certification for teaching earth science and general science in the State of New York, students are advised to include in their undergraduate program the following courses or their equivalent: a geology major; the prerequisites for calculus; CHEM 102, 103, 104, 105; PHYS 110 or 111 and 120 or 121; ASTRO 181; and BIOL 100, 102. PGEOG 130 is desirable. EDUC 345 is required.

To qualify for the permanent certificate for teaching science and general science at the secondary level in the State of New York, students need, in addition to their 4-year undergraduate preparation, a 5th year of study consisting of 30 semester hours of approved graduate courses.

Additional information concerning preparation for the teaching of earth science and general science can be obtained from the coordinator of the sciences (Teacher Education Program).

Teaching Social Studies in Secondary Schools Geography majors planning to teach social studies should consult with the coordinator of the social sciences (Teacher Education Program).

Electives A number of courses in the department have no prerequisite. These are open to all interested students. All others are open to all students who meet the prerequisites.

Fieldwork Several courses offer students an opportunity to study geology and geography in the field: GEOL 210, GEOG 210, and GTECH 350 offered either before or after summer session; and GEOL 211 and GEOG 211, offered on Saturdays (consult schedule of classes). In addition to the regular field courses, special-topic field courses are offered periodically, and fieldwork is conducted in connection with a number of the other courses.

Graduate Study Courses in the Graduate Division may be taken for credit toward the bachelor's degree by highly qualified seniors. Written permission must be obtained from the department chair.

Honors Work and Individual Study Qualified students may be admitted to GEOL 490 or GEOG 490. To be graduated with departmental honors, a major must take 490 and have a 2.8 cumulative GPA and 3.5 major GPA. These courses, along with GEOL 391, 392, 393 and GEOG 391, 392, 393, offer opportunity for students to undertake individual research in geology or geography.

Inservice Program This program (GEOL 498, GEOG 498) provides opportunities for qualified majors to work in positions of responsibility in professional institutions while earning from 1 to 4 academic credits. See undergraduate advisor for details.

Inter-American Affairs Program The department participates in the interdepartmental program in Inter-American affairs (see page 00). For information concerning the geography components of the program (GEOG 270, 271) consult Professor White.

Urban Studies Students who have selected the major-minor concentration in urban studies or the major in urban studies may select work in geography to fulfill the 6-hour social science or related-field requirement in the major or the major/minor program. Course selections should be made after consultation with the advisor in the Department of Urban Affairs. Recommended courses include GEOG 210, 211, 221, 227, 341, GTECH 215.

COURSE LISTINGS

Geology

GEOL 101 Fundamentals of Geology 6 hrs (3 lec, 3 lab), 4½ cr. Offered every sem. Plate tectonic theory; volcanism, earthquakes, continental drift, mountain-building. Mineral deposits, fossil fuels. Erosional processes, agents. Hazards. Lab: study of minerals, rocks, maps.

GEOL 102 Plate Tectonics and the Earth's Evolution 5 hrs (3 lec, 2 lab), 4 cr. Prereq: GEOL 101. Offered every sem. Study of earth from solar system's inception to present. Evolution of its crust, atmosphere, hydrosphere. Record of life. Lab: study of fossils, sedimentary facies, cross-sections, maps.

GEOL 154 Gems and Semi-Precious Stones 2 hrs, 2 cr. Offered D. Introduction to physical nature and natural history of gems and semi-precious stones. Cutting and polishing processes. Identification, formation, market value.

GEOL 180 Survey of Oceanography 3 hrs, 3 cr. Offered D/Fa. Properties of sea water, deep sea sediments, ocean floor morphology; sea-floor spreading, methods of exploration and research.

GEOL 205 Environmental Geology 3 hrs, 3 cr. Prereq: GEOL 101. Offered on demand. Geology's role in understanding and solving such problems as hazards, water supply, drainage, construction, waste disposal, and health. Land use analysis and planning.

GEOL 210 Elementary Field Geology 90 hrs field and lab work (1 day lab, 10 days fieldwork), 3 cr. Prereq: GEOL 101 or equiv. and perm. inst. Offered intersession June or Aug. Field study of geologic features. Identification of rocks, minerals, fossils, geologic structures, and land forms. Brunton compass. Structure sections from field data. Fee for transportation, room, and food allowance required.

GEOL 211 Field Geology of New York City and Vicinity 90 hrs field and labwork, 3 cr. Prereq: GEOL 101 or equiv. Meets Saturdays. Offered on demand. Basic field methods. Field study and geologic mapping of local features. Brunton compass. Introduction to plane table and alidade. Transportation fee required.

GEOL 220 Geologic Interpretation of Maps and Aerial Photographs 3 hrs (1 lec, 2 lab), 2 cr. Prereq: GEOL 101 or perm. inst. Offered Fa '87. Use of topographic maps and air photos to study and recognize geologic features. Geologic maps. Cross sections.

GEOL 231 Principles of Geomorphology 4 hrs (2 lec, 2 lab), 3 cr. Prereq: GEOL 101. Offered D/Sp '87. Study of landforms and their evolution. Emphasis is placed on topographic expression of geologic structure and features.

GEOL 233 Geology of North America 4 hrs (2 lec, 2 lab), 3 cr. Prereq: GEOL 102. Offered D/Fa '86. Regional study of principal structural units and geomorphic features of continent with emphasis on US.

GEOL 242 Invertebrate Paleontology 5 hrs (3 lec, 2 lab), 4 cr. Prereq. or coreq: GEOL 102. Offered D/Fa '86. Morphology, evolution, and paleoecology of fossil invertebrates; emphasis on marine forms. Introduction to modern principles and methods including an introduction to morphometric data analysis.

GEOL 243 Geologic History and Development of Vertebrates 5 hrs (3 lec, 2 lab), 4 cr. Prereq: GEOL 101. Offered on demand. Geologic factors influencing history of vertebrates and their evolutionary trends. Preservation and fossilization.

GEOL 246 Stratigraphy and Sedimentation 4 hrs (2 lec, 2 lab), 3 cr. Prereq: GEOL 102. Offered D/Sp. Sediment formation, transportation, deposition and diagenesis, structures, environments, facies; sedimentary basins; vertical, lateral, and age relationships of sediments.

GEOL 252 Elements of Mineralogy 6 hrs (2 lec, 4 lab), 4 cr. Prereq: GEOL 101; prereq or coreq: college chemistry or perm. inst. Offered E/Fa '86; D/Fa '87. Principles of crystal chemistry and mineral structure. X-ray diffraction. Mineral structure models.

GEOL 262 Structural Geology 5 hrs (3 lec, 2 lab), 4 cr. Prereq: GEOL 102. D/Sp '88; E/Sp '87. Architecture of earth. Crustal movements and their causes. Local and regional analysis of force pattern. Geologic maps; cross sections; fieldwork.

GEOL 266 Geophysics 5 hrs (3 lec, 2 lab), 4 cr. Prereq: GEOL 101 and PHYS 120 or 121 or MATH 150 or perm. inst. Offered D/Fa '86. Application of seismic, gravity, magnetic, and electrical methods to study of subsurface

geology. Data collection, reduction and interpretation.

GEOL 280 Marine Geology 5 hrs (3 lec, 2 lab), 4 cr. Prereq: GEOL 102 or perm. inst. Offered D/Sp. Morphology of ocean floor. Genesis and distribution of marine sediments. Use of geophysical and oceanographic data.

GEOL 332 Hydrology 3 hrs, 3 cr. Prereq: GEOL 101, PGEOL 130, or perm. inst. (Credit may be earned for either GEOL or PGEOL 332, but not both.) Offered D/Sp '87. Examination of the storage and flux of water on and near the earth's surface; problems of water supply, quality, and management.

GEOL 351 Optical Mineralogy 6 hrs (2 lec, 4 lab), 4 cr. Prereq: GEOL 252 or perm. inst. Offered D/Sp '87. Optical properties of crystals. Polarizing microscope used to measure optical variables in fragments and thin sections of minerals (crystals) for the purpose of identification.

GEOL 352 Petrology (Rocks and Rock Minerals) 4 hrs (2 lec, 2 lab), 3 cr. Prereq: GEOL 252. Offered E/Sp '87; D/Sp '88. Description and classification of rocks. Phase equilibria of silicate systems; tectonic setting of major rock types. Chemical and physical factors governing rock formation and appearance.

GEOL 353 Microscopic Petrography 4 hrs (2 lec, 2 lab), 3 cr. Prereq: GEOL 351 and 352 or perm. dept. Offered E/Fa '86. Study of rocks in thin section using petrographic microscope. Mineral content determination and assemblage; rock textures and structures.

GEOL 361 Economic Geology 4 hrs (2 lec, 2 lab), 3 cr. Prereq: GEOL 102 and 253 or 352. Offered E/Fa '86; D/Fa '87. Origin, occurrence, distribution, and use of minerals, fuels, and building materials of earth's crust.

GEOL 362 Petroleum Geology 6 hrs (2 lec, 4 lab), 4 cr. Prereq: GEOL 246 or 262 or perm. inst. Offered D/Sp '87. Origin, migration, and occurrence of petroleum. Types of reservoirs and traps. Well logging techniques. Exploration.

GEOL 363 Hydrogeology 4 hrs (2 lec, 2 lab), 3 cr. Prereq: GEOL 101 and 1 year each of physics, chemistry, and calculus or perm. dept. Offered on demand. Occurrence and movements of groundwater; well hydraulics; quality of groundwater; prospecting; development and conservation.

GEOL 368 Geochemistry 5 hrs (3 lec, 2 lab), 4 cr. Prereq: GEOL 252 or perm. inst. Offered D/Fa '87. Study of the chemical composition and evolution of the earth's crust, atmosphere, and seawater. Application of concepts to geology and environmental problems.

GEOL 370 Microcomputer Applications in Geology 4 hrs (2 lec, 2 lab), 3 cr. Prereq: Any combination of two 200- and/or 300-level courses credited toward geology major. Offered D/Sp '87; D/Fa '88. Use of microcomputers in collection, analysis, and presentation of geological data. Systems and programs currently in use in government and industry. No prior computer experience needed.

GEOL 381 Special Topics in Geology and Oceanography 1 or 2 hrs (1 lec or 2 lab), 1 cr. Prereq: the 200-level course of which special topic is logical outgrowth and perm. dept. Offered on demand. Intensive course in various aspects of geology or oceanography. Topics to be announced.

GEOL 382 Special Topics in Geology and Oceanography 2 or 3 hrs (2 lec or 1 lec and 2 lab), 2 cr. Prereq: the 200-level course of which special topic is logical outgrowth and perm. dept. Offered on demand. Intensive course in various aspects of geology or oceanography. Topics to be announced.

GEOL 383 Special Topics in Geology and Oceanography 3 or 4 hrs (3 lec or 2 lec and 2 lab), 3 cr. Prereq: the 200-level course of which special topic is logical outgrowth and perm. dept. Offered on demand. Intensive course in various aspects of geology or oceanography. Topics to be announced.

GEOL 391 Individual Study in Geology 1 cr. Prereq: 2 sems. of geology and perm. dept. Individual study and reading, with lab or fieldwork where appropriate, carried out under faculty guidance.

GEOL 392 Individual Study in Geology 2 cr. Prereq: 2 sems. of geology and perm. dept. Individual study and reading, with lab or fieldwork where appropriate, carried out under faculty guidance.

GEOL 393 Individual Study in Geology 3 cr. Prereq: 2 sems. of geology and perm. dept. Individual study and reading, with lab or fieldwork where appropriate, carried out under faculty guidance.

GEOL 490 Honors in Geology 1 sem., 3 cr. Prereq: upper Jr/Sr geology majors only with perm. dept. Individual research carried on under faculty guidance. Results must be embodied in an honors essay or equivalent.

GEOL 498 Inservice 1-4 cr. Prereq: qualified geology majors, upper Jr/Sr only. Opportunities for working in positions of responsibility in professional institutions for academic credits. See chair.

Physical Geography

PGEOG 130 Weather and Climate 5 hrs (3 lec, 2 lab), 4 cr. Offered every sem. Principles of meteorology and climatology; elements of weather; current weather analysis; weather maps; forecasting; patterns and characteristics of world climate, climatic change.

PGEOG 212 Geography of Soils and Vegetation 3 hrs, 3 cr. Prereq: PGEOG 130; not open to students who have taken PGEOG 112. Offered D/Fa '86, Sp '88. Nature and distribution of soils and their vegetation cover. Soil characteristics, formation, classification; plant ecology. Interrelationships. Impact on people.

PGEOG 332 Hydrology 3 hrs, 3 cr. Prereq: GEOL 101, PGEOG 130, or perm. inst. (Credit may be earned for either PGEOG or GEOL 332 but not both.) Offered D/Sp '87. Examination of the storage and flux of water on and near the earth's surface; problems of water supply, quality, and management.

Geographic Techniques and Methods

Note: Courses with the GTECH prefix were formerly PGEOG or GEOG courses and, therefore, are not to be repeated by students who have already taken those courses.

GTECH 120 Map Reading and Interpretation 3 hrs (1 lec, 2 lab), 2 cr. Offered D/Sp. Theory and techniques of map use, involving coordinate systems, symbols, features, and their interpretation from standard map products. One all-day field exercise at Bear Mt. (transportation fee required).

GTECH 180 Cartography and Graphic Presentation I 6 hrs (2 lec, 4 lab), 4 cr. Offered D/Fa. Introduction to art and science of map-making. Basic cartographic skills. Methods of data presentation.

GTECH 215 Introduction to Quantitative Methods in Geography 3 hrs, 3 cr. Not open to freshmen. Fa '87. Process of spatial analysis. Application of scientific methods to geographic research is stressed; sampling; distribution measurement; autocorrelation; interaction models.

GTECH 221 Introduction to Aerial Photographic Interpretation 6 hrs (2 lec, 4 lab), 4 cr. Prereq: GEOG 101 or GEOL 101 or perm. dept. Offered D/Sp '88. Basic techniques of aerial photo interpretation. Interpretation sequence; object measurement; methodology.

GTECH 280 Cartography and Graphic Presentation II 3 hrs plus independently scheduled lab, 3 cr. Prereq: GTECH (PGEOG) 180. Offered D/Sp. Continuation of GTECH 180 (PGEOG). Exercises in advanced thematic mapping. Mapping from air photos. Field mapping and surveying. Computer graphics.

GTECH 321 Remote Sensing of the Environment 4 hrs, 4 cr. Prereq: GTECH (PGEOG) 221 or GEOL 220 or perm. inst. Offered Sp. Remote sensing systems (multi-spectral, signature ID, digital image analysis), theory and applications.

GTECH 322 Advanced Image Interpretation 4 hrs (2 lec, 2 lab), 3 cr. Prereq: GTECH (PGEOG) 321 or perm. inst. Offered E/Fa '86; D/Fa '87. Project-oriented course in interpretation of air- and space-borne (infrared, radar, and LANDSAT) imagery.

GTECH 350 Field Topographic Surveying 90 hrs. of field and lab work (one day lab and 10 days fieldwork), 3 cr. Prereq: GTECH (PGEOG) 120 or 180 and perm. inst. Offered summer intersession. Familiarization and use of survey equipment. Field data collection relating to horizontal and vertical location on the landscape. Field record-keeping and preliminary analysis of results. Fee for transportation, accommodations and food allowance required.

GTECH 380 Analytical and Computer Cartography 5 hrs (1 lec, 4 lab), 3 cr. Prereq: GTECH (PGEOG) 120 and 180 or perm. inst. Offered D/Sp. Role of computer in contemporary mapping; theoretical issues and practical mapping assignments, using cartographic software. No prior computer experience needed.

GTECH 421 Seminar in Remote Sensing 4 hrs (2 lec, 2 lab), 3 cr. Prereq: GTECH (PGEOG) 322 and MATH 150 or perm. inst. Offered on demand. Senior-level course stressing the digital analysis of satellite data, especially LANDSAT. Preprocessing; computer algorithms; ground truthing; information systems.

Geography

GEOG 101 People and Their Environment 3 hrs, 3 cr. Offered every sem. Survey of earth environment (atmosphere, land, water); how it varies spatially

and how people interact with it. Contemporary economic, political, and social patterns and problems are discussed.

GEOG 133 Geography in World Affairs 1 hr, 1 cr. Offered on demand. Interpretation of geographic influences on current global political, social, and economic problems.

GEOG 210 Elementary Field Geography 90 hrs field and lab work (one evening lab and 10 days fieldwork), 3 cr. Prereq: GEOG 101 or equiv. and perm. inst. Offered intersession June or Aug. Field study of interrelationships of physical environment and settlement of land by people. Students may register for each different itinerary. Fee for transportation, room, and food allowance required.

GEOG 211 Field Geography of New York City and Vicinity 6 hrs, 3 cr. Prereq: GEOG 101. Meets Saturdays. Offered on demand. Field study of urban and urban fringe land use. Population distribution; economic activities; transportation facilities. Field mapping. Transportation fee required.

GEOG 221 Economic Geography 5 hrs (3 lec, 2 lab), 4 cr. Prereq: GEOG 101 or perm inst. Not open to freshmen. Offered E/Fa '86; D/Fa '87. Geographic factors influencing economic activity. Spatial organization of society. Location theories are stressed. Locational and commodity flow; analysis; regional economic development.

GEOG 226 Environmental Conservation: Resource Management 3 hrs, 3 cr. Offered E/Fa '87. Resources in relation to population. Policies, practices, and constraints in natural resources development. Energy crisis.

GEOG 227 Environmental Conservation: Urban Problems 3 hrs, 3 cr. Offered on demand. Impact of people on nature, spatial distribution, quality, and adequacy of major physical resources of urban areas.

GEOG 241 Population Geography 3 hrs, 3 cr. Prereq: GEOG 101 or perm. inst. Offered on demand. Geographic aspects of world population problems. Population patterns, movements, and growth in relation to resource bases. Interpretation and analysis techniques.

GEOG 251 Geography of the United States and Canada 3 hrs, 3 cr. Prereq: GEOG 101 or perm. inst. Offered E/Sp '87, D/Sp '88. Analysis of the relationship of natural environment to economic, social, and political life of North America. Emphasis on US.

GEOG 260 Geography of New York State 3 hrs, 3 cr. Prereq: GEOG 101 or perm. inst. Offered D/Sp. Analysis of relationship of natural environment to economy and settlement pattern of the state. Land use, environmental problems.

GEOG 270 Regional Geography of the Circum-Caribbean 3 hrs, 3 cr. Offered D/Fa '87. Analysis of relationship of natural environment to economic, social, and political life of Mexico, Central America, and West Indies.

GEOG 271 Regional Geography of South America 3 hrs, 3 cr. Offered on demand. Analysis of relationship of natural environment to economic, social, and political life of South America.

GEOG 272 Regional Geography of Europe 3 hrs, 3 cr. Offered on demand. Analysis of the relationship of natural environment to economic, social, and political life of Europe (excluding the USSR).

GEOG 274 Regional Geography of the Middle East and North Africa 3 hrs, 3 cr. Offered E/Sp '88. Analysis of relationship of natural environment to economic, social, and political life of Middle East and North Africa.

GEOG 275 Regional Geography of Sub-Saharan Africa 3 hrs, 3 cr. Offered on demand. Analysis of the relationship of natural environment to economic, social, and political life of Africa south of Sahara.

GEOG 277 Regional Geography of East Asia 3 hrs, 3 cr. Offered on demand. Analysis of East Asia's potentials in terms of natural resources, population, industry, and agriculture, with emphasis on China.

GEOG 278 Regional Geography of the USSR 3 hrs, 3 cr. Offered D/Fa '86. Analysis of the relationship of natural environment to economic, social, and political life of Soviet Union.

GEOG 334 Political Geography 3 hrs, 3 cr. Prereq: GEOG 101, Jr/Sr only. Offered D/Fa '86. Impact of environment on centrifugal and centripetal forces involved in well-being of states. Nation-states; law of the seas.

GEOG 341 Urban Geography 3 hrs, 3 cr. Prereq: GEOG 101 or perm. inst. Jr/Sr only. Offered E/Fa '86. Spatial analysis of functions of metropolitan areas. Social and economic characteristics of cities and suburbs. Land use and transportation patterns.

GEOG 347 Cultural Geography 3 hrs, 3 cr. Prereq: GEOG 101 or perm.

inst; Jr/Sr only. Offered D/Sp '87. Environmental impact of culture. Diffusion theory. Culture groups; language; architecture; landscapes. Perception.

GEOG 348 Geography of Religion 3 hrs, 3 cr. Prereq: GEOG 101 or REL 110 or 111 or perm. inst. Offered on demand. Geographic view of religion and religious phenomena. Origin, diffusion, distribution. Pilgrimages. Environmental impact. Emphasis on the US.

GEOG 380 Seminar in Geographic Concepts and Methodology 3 hrs, 3 cr, Jr/Sr only and perm. inst. Offered on demand. Investigations of evolution, conceptual framework, and methodological approaches of modern geography. Topics to be announced.

GEOG 381 Special Topics in Geography 1 or 2 hrs (1 lec or 2 lab), 1 cr. Prereq: GEOG 101, the 200-level course of which special topic is logical outgrowth, and perm. inst; Jr/Sr only. Offered on demand. Topics to be announced.

GEOG 382 Special Topics in Geography 2 or 3 hrs (2 lec or 1 lec and 2 lab), 2 cr. Prereq: GEOG 101, the 200-level course of which special topic is logical outgrowth, and perm. inst; Jr/Sr only. Offered on demand. Topics to be announced.

GEOG 383 Special Topics in Geography 3 or 4 hrs (3 lec or 2 lec and 2 lab), 3 cr. Prereq: GEOG 101, the 200-level course of which special topic is logical outgrowth, and perm. inst; Jr/Sr only. Offered on demand. Topics to be announced.

GEOG 391 Individual Study in Geography 1 cr. Prereq: 2 sem. of geography and perm. dept. Individual study and reading, with lab or fieldwork where appropriate, carried out under faculty guidance.

GEOG 392 Individual Study in Geography 2 cr. Prereq: 2 sem. of geography and perm. dept. Individual study and reading, with lab or fieldwork where appropriate, carried out under faculty guidance.

GEOG 393 Individual Study in Geography 3 cr. Prereq: 2 sem. of geography and perm. dept. Individual study and reading, with lab or fieldwork where appropriate, carried out under faculty guidance.

GEOG 490 Honors in Geography 1 sem., 3 cr. Prereq: upper Jr/Sr geography majors only with perm. dept. Individual research to be carried on under faculty guidance. Results must be embodied in an honors essay or equivalent.

GEOG 498 Inservice 1-4 cr. Prereq: open to qualified geography majors, upper Jr/Sr only. Opportunities for working in positions of responsibility in professional institutions for academic credit. See chair.

The goals of the elementary and intermediate courses which fulfill the Foreign Language Requirement are:

1. To give all students a real ability to function in everyday situations in the German language.
2. To create a solid linguistic base for the further study of German at the advanced level.

The goals of the advanced language, literature, and culture courses are:

1. To impart knowledge and understanding of German literature and civilization, past and present.
2. To develop students' comprehension of spoken and written German to the level of understanding the classics of German prose, drama, and poetry.
3. To build students' capacity for intellectual discourse in written and spoken German.

Courses are also offered in German literature in English translation for students who have no knowledge of the German language. These courses may not be used to fulfill the Foreign Language Requirement, nor may they be applied towards the German major.

Foreign Language Requirement

1. Students who begin German as a new language will fulfill the foreign language requirement by taking 12 credits in the required courses: GERMN 101-102 (or 103), 201-202 (or 203).
2. Students who enter with 1 year of high school German must take 9 crs: GERMN 102, GERMN 201-202 (or 203).
3. Students who enter with 2 years of high school German must take 6 crs: GERMN 201-202 (or 203).
4. Students who enter with 3 years of high school German must take 3 crs: GERMN 202.
5. Students who enter with 4 years of high school German may be exempted from the Foreign Language Requirement (see Distribution Requirements, p. 22-23).

Students with competence in German other than that shown on a high school transcript must consult the department chair for information on placement examinations.

Literature Requirement

The distribution requirement in literature may be met in part by taking 3 credits in an advanced literature course offered by the German Department.

Humanities Requirement

The distribution requirement in humanities may be met in part by taking GERMN 240, German Thought and Culture: A Survey.

Major The major consists of 24 credits chosen from the following courses: GERMN 301, 302, 311, 314, 316, 318, 321, 324, 326, 328, 330, 332, 334, 336, 338, 342, 344, 444, 491, 492, 493, 498. Students are to consult the department chair to plan their course of studies in German. Students who begin German in college may count GERMN 201 and GERMN 202 as major courses. Students who began German elsewhere should consult the chair regarding placement in the German major.

Minor A minor consists of 12 credits; at least 6 credits should be in advanced courses (GERMN 301-349). Students who elect to minor in German should consult their major department for approval.

German

Department Office West Building room 1405, phone 772-4980

Chair Dorothy James

Professors Hoffmann, James

Associate Professor Sullivan

Assistant Professor Kuhn-Osius, Kym

Advisors (day) Mary C. Sullivan (evening) Dorothy James

The Department of German offers courses in the language, literature, and culture of German-speaking countries.

Courses in the German language are offered at the elementary (100), intermediate (200), and advanced (300) level. Courses in German literature and culture, taught in German, are offered at the 300-400 level. The entire language and literature curriculum is designed to guide beginners in the language through well-defined levels of proficiency in speaking, reading, writing, and comprehension to the point of college-level literacy in German. The proficiency-testing system used in the department makes it possible to place students who have prior knowledge of the German language in the sequence at the level most appropriate to their needs.

German majors may select a 12-credit minor in any department. The courses must be approved by the chair of the German Department.

Electives All courses offered are open to all qualified students as electives. For placement consult the department chair.

Honors, Tutorials, Preparation for Secondary School Consult the department chair for these special programs.

Credit GERMN 101 is not credited without GERMN 102. All other courses are credited singly.

COURSE LISTINGS

Beginning Courses

GERMN 101 Elementary German I 3 hrs, 3 cr. Not credited without GERMN 102. Practice in 4 basic skills of speaking, reading, writing, and comprehending German. For beginners.

GERMN 101.50 Elementary German Workshop 1 hr, 1 cr. Additional practice in spoken and written German. Intended primarily to improve the speaking skill of students taking GERMN 101.

GERMN 102 Elementary German II 3 hrs, 3 cr. Prereq: GERMN 101 or equiv. Continued practice in speaking, reading, writing, and comprehending German.

GERMN 102.50 German in Action 2 hrs, 2 cr. Beginners' conversation course open to students enrolled in GERMN 102. Conversation on topics from everyday life in modern Germany.

GERMN 103, Intensive Elementary German 6 hrs, 6 cr. Intensive practice in 4 basic skills of German. Covers in 1 semester material normally covered in 2.

GERMN 106 German through Lieder 1 hr, 1 cr. Prereq: GERMN 101 or equiv. Studying and singing of German songs for additional language practice.

GERMN 111 Elementary German for Reading Purposes 3 hrs, 3 cr. Basic grammar for reading knowledge of German. Reading and translation of short texts on a variety of topics.

GERMN 112 Intermediate German for Reading Purposes 3 hrs, 3 cr. Prereq: GERMN 111 or equiv. Intensive reading of increasingly difficult works in German on literary, cultural, and scientific topics.

GERMN 201 Intermediate German I 3 hrs, 3 cr. Prereq: GERMN 102 or equiv. Reading and discussion of selected German writings, such as Remarque's *Drei Kameraden* and stories by Brecht, Kafka, and by some living authors. Grammar review and composition.

GERMN 202 Intermediate German II 3 hrs, 3 cr. Prereq: GERMN 201 or equiv. Grammar review and composition. Reading and discussion of selected literary texts.

GERMN 203 Intensive Intermediate German 6 hrs, 6 cr. Prereq: GERMN 102, 103 or equiv. Covers in 1 semester material normally covered in 2.

GERMN 211 Advanced German Reading 3 hrs, 3 cr. Prereq: GERMN 112 or equiv. Extensive reading of difficult German texts in various fields of the humanities, arts, and sciences.

Advanced Courses (Conducted in German)

A varying selection of the following courses will be offered in alternate years in accordance with student needs. Please consult the chair of the department or the departmental advisor for specific details.

GERMN 301 German Conversation 3 hrs, 3 cr. Prereq: GERMN 202 or equiv. Intensive practice in conversational German.

GERMN 302 Advanced German Conversation and Composition 3 hrs, 3 cr. Prereq: GERMN 202 or equiv. Intensive practice in speaking and writing German.

GERMN 311 The German Press of Today: Reading and Understanding Newspapers and Magazines 3 hrs, 3 cr. Prereq: GERMN 202 or equiv. Reading and discussion of present-day German newspapers and magazines.

GERMN 312 Introduction to Business German 3 hrs, 3 cr. Prereq: GERMN 301 or perm. inst. Introduction to the specialized language of German business and economics and intensive practice in German terminology and style on such topics as banking and finance, the corporate structure, and the Common Market.

GERMN 313 Advanced Business German 3 hrs, 3 cr. Prereq: GERMN 312 or perm. inst. Intensive practice for students with a knowledge of business terminology in German on such topics as industrial production, the service industries, employment, and taxation.

GERMN 314 German Civilization 3 hrs, 3 cr. Prereq: GERMN 202 or equiv. Introduction to key topics in German history, politics, arts, literature, and sciences.

GERMN 318 Literature of Weimar Republic 3 hrs, 3 cr. Prereq: GERMN 202 or equiv. Discussion of literary works and documents influential in German life between 1918 and 1933.

GERMN 321 Readings in Modern German Literature 3 hrs, 3 cr. Prereq: GERMN 202 or equiv. Discussion of selected works of such writers as Thomas Mann, Hesse, Brecht, Kafka, and Frisch.

GERMN 324 The German Short Story and Novelle 3 hrs, 3 cr. Prereq: GERMN 202 or equiv. Discussion of short narrative works from age of Goethe to present.

GERMN 326 German Lyric Poetry 3 hrs, 3 cr. Prereq: GERMN 202 or equiv. Discussion of important lyrics from Baroque period to present.

GERMN 328 German Drama from Age of Goethe to Naturalism 3 hrs, 3 cr. Prereq: GERMN 202 or equiv. Discussion of dramas by such writers as Goethe, Schiller, Kleist, Büchner, Grillparzer, and Hebbel.

GERMN 330 German Drama from Naturalism to Present 3 hrs, 3 cr. Prereq: GERMN 202 or equiv. Discussion of dramas by such writers as Hauptmann, Wedekind, Brecht, Dürrenmatt, Frisch, and Handke.

GERMN 332 The German Novel 3 hrs, 3 cr. Prereq: GERMN 202 or equiv. Discussion of narrative works by such writers as Goethe, Keller, Fontane, T. Mann, Kafka, Döblin, Böll.

GERMN 334 Readings in Classical Period of German Literature 3 hrs, 3 cr. Prereq: GERMN 202 or equiv. Discussion of selected works by Lessing, Goethe, and Schiller.

GERMN 336 Goethe's *Faust* 3 hrs, 3 cr. Prereq: GERMN 202 or equiv. Intensive study of Goethe's *Faust*, Parts I and II.

GERMN 338 German Literature from Its Origins to the Age of Goethe 3 hrs, 3 cr. Prereq: GERMN 202 or equiv. Survey of German literature from the *Hildebrandsleid* to 18th century.

GERMN 342 German Literary Seminar 3 hrs, 3 cr. Prereq: GERMN 202 or equiv. May be repeated for a total of 6 cr. Seminar study of significant theme in German literature, German author, or literary movement or genre.

GERMN 344 Studies in German Literature and Language 3 hrs, 3 cr. Prereq: GERMN 202 or equiv. Discussion of literary topics or linguistic phenomenon.

GERMN 444 Seminar Studies in German Literature and Language 3 hrs, 3 cr. Prereq: GERMN 202 or equiv. Seminar study of literary topic or linguistic phenomenon.

GERMN 491 Honors Project 3 cr. Prereq: Jr/Sr only; perm. chair. Individual study and independent research in consultation with faculty member. Honors essay required.

GERMN 492 Independent Study in German 1, 2 or 3 cr. Prereq: perm. chair. Number of credits to be determined in advance in consultation with faculty member on basis of work planned.

GERMN 493 Individual Studies Project in German Studies 3 cr. Prereq: perm. chair. Individual research on German-studies topic under direction of faculty member. Written report required.

GERMN 498 Inservice Learning Program in Arts Institutions 1-4 cr. Prereq: perm. chair.

Courses in German Literature and Civilization (Conducted in English)

(No knowledge of German required)

A varying selection of the following courses will be offered in alternate years in accordance with student needs. Please consult the chair of the department or the departmental advisor for specific details.

GERMN 240 German Thought and Culture: A Survey 3 hrs, 3 cr. Discussion of the German contribution in the fields of art, literature, music, philosophy in historical perspective.

GERMN 352 Gottfried von Strassburg: *Tristan* 1 hr, 1 cr. Discussion of Gottfried's medieval romance. Special emphasis on idealistic concept of love.

GERMN 354 Wolfram von Eschenbach: *Parzival* 1 hr, 1 cr. Discussion of Wolfram's medieval romance. Special emphasis on treatment of quest for the grail.

GERMN 356 Goethe's *Faust* 1 hr, 1 cr. Discussion of Goethe's masterpiece in terms of origin, content, structure, and overall significance.

GERMN 358 Heinrich von Kleist 2 hrs, 2 cr. Discussion of some of Kleist's most significant novellas and dramas.

GERMN 360 Georg Buchner 2 hrs, 2 cr. Special emphasis on his dramas: *Danton's Death*, *Woyzeck*, and *Leonce and Lena*.

GERMN 362 Herman Hesse 2 hrs, 2 cr. Discussion of major themes in such novels as *Beneath the Wheel*, *Siddhartha*, *Demian*, and *Steppenwolf*.

GERMN 363 Herman Hesse: *Magister Ludi* 1 hr, 1 cr. Discussion of Hesse "summing-up" novel, *Magister Ludi* (also translated under the title: *Glass Bead Game*).

GERMN 364 Rainer Maria Rilke's *Dulno Elegies* 1 hr, 1 cr. Discussion of

Rilke's *Elegies* in terms of content, structure, thematic organization, and poetic imagery.

GERMN 366 Thomas Mann's *The Magic Mountain* 1 hr, 1 cr. Discussion of Mann's novel in terms of structure, technique, motifs, and symbolism.

GERMN 368 Franz Kafka 2 hrs, 2 cr. Discussion of selected short stories and novels by Kafka. Special emphasis on *The Trial*.

GERMN 370 Bertolt Brecht 1 hr, 1 cr. Discussion of major themes and of dramatic presentation of 6 dramas selected from the total of Brecht's work.

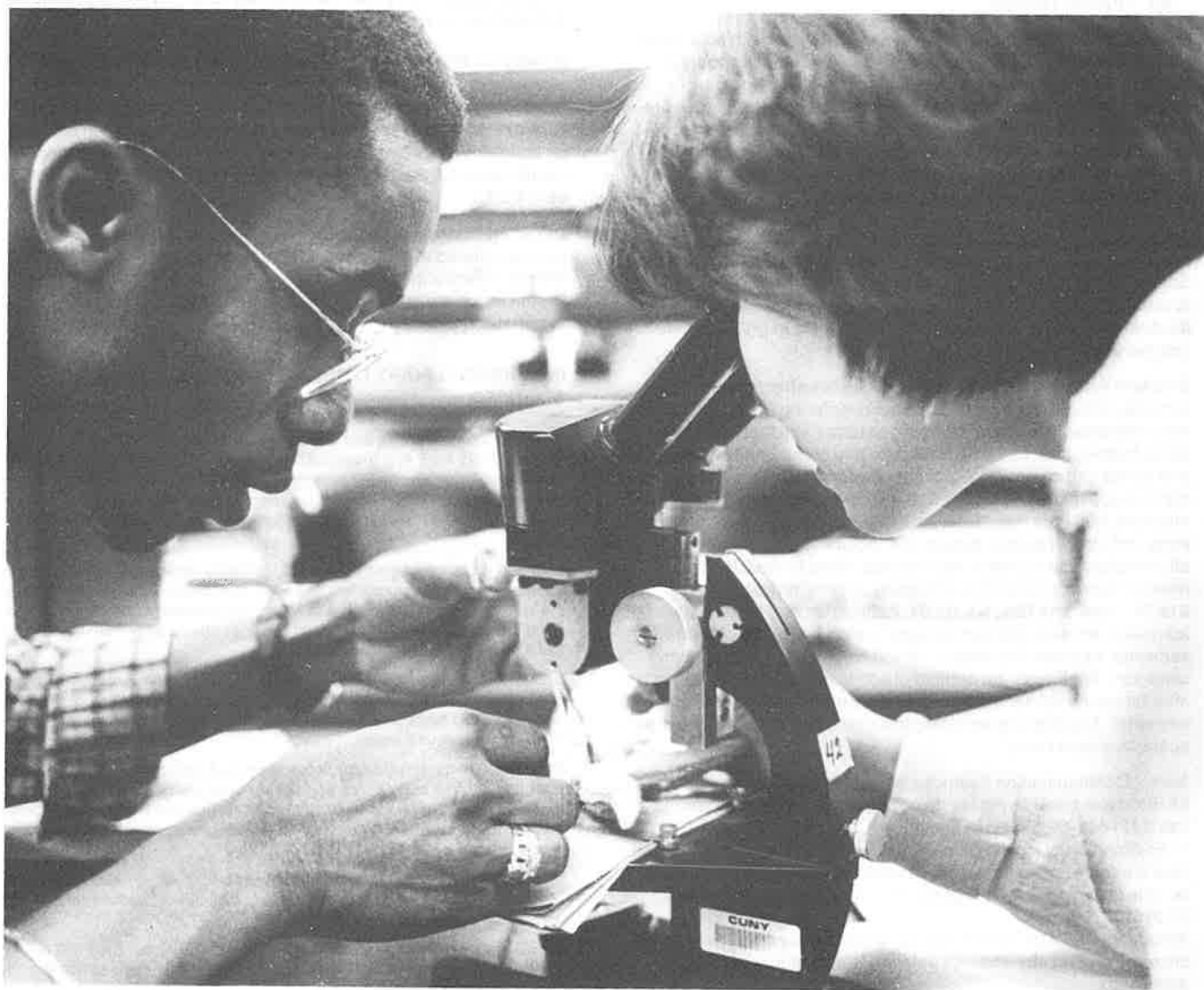
GERMN 374 Masterpieces of German Literature in English Translation 3 hrs, 3 cr. Discussion of some outstanding works of German literature.

GERMN 376 Masterpieces of Modern German Prose in English Translation 3 hrs, 3 cr. Discussion of selected representative works by such writers as Goethe, Kleist, Mann, Kafka, Böll, and Grass.

GERMN 378 Masterpieces of German Drama in English Translation 3 hrs, 3 cr. Discussion of selected representative works by such writers as Schiller, Kleist, Büchner, Wedekind, and Brecht.

GERMN 380/480 Studies/Seminar Studies in German Literature in English Translation 3 hrs, 3 cr. Discussion and analysis of literary movement, genre, major topic, or important author.

GERMN 382 Germany in the Twenties 3 hrs, 3 cr. Literature, art, and politics in Germany between World War I and Third Reich, 1918–1933.



Health Sciences

425 East 25th St, New York City, NY 10010

Dean Everlena M. Holmes, EdD

The Hunter College School of Health Sciences, a specialized unit of the City University of New York, offers programs in health-related professions. The School is housed at the newly renovated Brookdale Health Science Center, located in close proximity to many of New York's major health-care facilities. The health professions complex at East 25th Street provides undergraduate and graduate students with well-planned classrooms, fully equipped laboratories, computer access, a speech and hearing clinic, and a library, as well as recreational facilities, cafeteria, and an on-site dormitory.

The School offers 6 upper-division programs leading to bachelor degrees:

- BA Communication Sciences*
- BS Community Health Education
- BS Environmental Health Science**
- BS Medical Laboratory Sciences
- BS Nutrition and Food Science†
- BS Physical Therapy

As a principal unit of the City University for allied health education, Hunter's School of Health Sciences prepares liberally educated professionals to enter and advance in health-related careers. These professionals will provide health maintenance, disease prevention, evaluation and clinical management of health-related disabilities, and also administration of health services. The School's programs of study provide unique educational, research, and service-oriented opportunities to students.

Admission Students planning to apply for admission to programs offered at the School of Health Sciences should visit or contact the School during their senior year of high school or first year of college to discuss preparation with program advisors. They may request individual counseling appointments or participate in group orientation sessions.

Students enter the School of Health Sciences after completion of a minimum of 60 college credits. Students entering Physical Therapy must complete a minimum 64 college credits. All applicants (students from Hunter, other CUNY senior and community colleges, and senior and community colleges outside CUNY) must file a transfer application, available from the Hunter College Office of Admissions, 695 Park Ave., New York City, NY 10021. These applications and other required documents, including official transcripts of all post-secondary grades, must be submitted to the Office of Admission Services of the City University of New York at 101 West 31st St., New York City, NY 10001. Application and transcripts for admission are due between January 1 and March 15 for the fall semester, between September 15 and November 1 for the spring semester. Applicants are notified of admission or non-admission by May 1st for the fall semester and by December 1st for the spring semester. Applications are accepted after these deadlines on a space-available basis.

Note: * Communication Sciences is not offered as a major in 1986-88. Students considering electives or a minor in this area should call (212) 481-4464 for information.

** Environmental Health Science has been temporarily suspended. New students are no longer being admitted; current students will be able to complete the program. For further information contact (212) 581-5119.

† Students who wish to enter the Nutrition & Food Science program should call (212) 481-7563 for detailed information regarding admission.

Specific grade point requirements and course prerequisites are detailed under individual programs. Personal interview requirements vary for each program; applicants should contact the appropriate program director for details. Applicants to the Physical Therapy program must have pre-admission clinical experience in physical therapy; further information and forms to document this experience are available from the Physical Therapy program director.

A limited number of places are held for applicants holding bachelor's or master's degrees in disciplines other than health sciences. These applicants must meet academic and other requirements for admission to respective programs. They pursue the course of study as outlined and are awarded a second bachelor's degree.

Course of Study The course of study varies from program to program. The curriculum for each specialization is listed below. Candidates for the BS degree complete a total of 128 credits and are exempt from the College's foreign language requirement. Candidates for the BA degree complete a total of 125 credits including foreign language. In addition to the special requirements in each program, all candidates for graduation must also complete a Hunter-wide distribution requirement that is explained in detail on pp 00-00 of this catalogue. We recommend that students complete the distribution requirement *before* they enter any of the programs in the School of Health Sciences.

Scholastic Requirements Student grades are reviewed each semester to determine eligibility for remaining in programs of the School of Health Sciences. Each student must maintain an overall GPA of 2.5 for each semester and a grade of C or better in each major course. Major courses must be taken for letter grades except, at the discretion of the program director, for clinic, field, or independent study.

Department permission is required in order to register for all courses offered at the School of Health Sciences except for SHS 200, an interdisciplinary course open to all students at the College. Permit forms are authorized by program advisors during pre-registration period.

INTERDISCIPLINARY COURSES IN SCHOOL OF HEALTH SCIENCES

SHS 200 Controversies and Issues in Health and Health Care 3 hrs, 3 cr. Offered at 695 Park Ave. Impact of national, environmental, food, population and reproduction, and health care policies on well-being of American people. How social, economic, and political factors affect health and health care. Recommended for all students considering careers in health or human services.

SHS 300 Ecology of Health 3 hrs, 3 cr. Topics include the nature of being human, alternative approaches to health and disease, the health services system, and the contribution of different "environments" to human health. Recommended as elective for health sciences majors other than those in the Nutrition & Food Science program.

SHS 310 The Human Organism: Basic Structure and Function 3 hrs, 3 cr. Prereq: BIOL 100 and 102 or equiv. Structural organization of the body and associated functions, with emphasis on the systemic level and changes relative to abnormal function.

SHS 320 Human Physiology: Integration and Control 6 hrs, 4 cr. Prereq: BIOL 100 and 102 or BIOL 120 and 122 or equiv. Study of function at cellular, systemic, and organismic level with emphasis on the integrated organism and associated control systems, including laboratory procedures and experiments.

SHS 330 Principles of Epidemiology 2 hrs, 2 cr. Prereq: STAT 113. Methods of study of disease; risk factors, distribution, causes, prevention, and control of selected diseases.

SHS 340 Growth and Development 2 hrs, 2 cr. Prereq: SHS 310 or 320. Principles of development; maturation process from *in utero* to maturity; influence of environment on growth.

SHS 380 Structure and Function of the Nervous System 3 hrs, 3 cr. Prereq: SHS 320 or perm. inst. Microscopic, gross, and developmental anatomy of the human nervous system with emphasis on neurophysiological processes, structural and functional relationships.

SHS 420 Introduction to Clinical Medicine 3 hrs, 3 cr. Prereq: SHS 310 or 320. Role of allied health professional in treatment, management, and control of diseases and in maintenance of health.

COMMUNICATION SCIENCES (Speech–Language Pathology, Audiology, Speech–Language–Hearing Science)—BA

Program Director Elaine R. Silliman, room N133, 425 East 25th St. phone: 481-4464

Professor Lahey

Associate Professors Edelman, Sergeant, Silliman, Smith

Assistant Professors Clark, Edwards

Lecturers Margulies, Pollack

Advisor Pollack

Director, Center for Communication Disorders Florence Edelman, room N133

Admission to the undergraduate Communications Sciences program has been suspended. Students interested in applying to the program for a minor area of study or for electives offered within the program may call the following number for information: 481-4464.

Speech-language pathologists and audiologists are concerned with normal aspects and disorders of human communication. The professional speech-language pathologist and audiologist provide clinical services in a variety of settings and are engaged in basic and applied research. The profession is concerned with normal and disordered communication throughout the age spectrum from infancy onward and including the aging process. Professional effectiveness demands that prospective clinicians have abilities and interests in the behavioral, biological, and physical sciences in addition to social maturity, sensitivity, and strong interactive skills. Professional positions as clinicians, administrators, and researchers may be obtained in hospitals, schools, social and health agencies, industry, college and university clinics, and laboratories. Speech-language pathologists and audiologists also provide services as private practitioners.

The Communication Sciences Program offers a pre-professional curriculum in Audiology and Speech–Language Pathology on the 600 level. These courses are open to undergraduates as electives and may fulfill the requirements for a minor area with the approval of the student's major advisor. The objectives of the curriculum are to provide students with an understanding of the process of human communication, to introduce them to professional course content, and to begin the development of clinical skills through supervised clinical observation and a practicum in the School of Health Science's Center for Communication Disorders. Students who successfully complete a prescribed course of study are eligible for consideration for the MA program (see Graduate Catalogue).

All undergraduate work is considered pre-professional; the completion of a graduate degree (MA) is required for professional standing. An MA is offered by the Communication Sciences Program (see Graduate Catalogue). Only upon completion of this MA, or its equivalent, are individuals considered eligible for certification by the American Speech–Language–Hearing Association (ASHA), Licensure by the NY State Education Department, Division of Professional Licensing, and NY State Permanent Certification as Teachers of the Speech and Hearing Handicapped.

The Communication Sciences Program, however, does *not* offer a curriculum leading to Provisional Certification as a Teacher of the Speech and Hearing Handicapped. Students who are interested in pursuing the graduate degree (MA) leading to NY State certification as Teachers of the Speech and Hearing Handicapped, might con-

sider the following educational sequence as free electives: EDFDN 261, 272, 362.

Admission Requirements Completion of 60 accepted credits before entrance; GPA of 2.5. Students enter the Communication Sciences Program in the fall semester only. Completion of one year of biological sciences prior to entry into the program is recommended.

Scholastic Requirements To continue in the program and to graduate, students must maintain a minimum 2.5 GPA for all communication sciences courses. Proficiency in oral and written language skills is essential.

Requirements for Graduation in Communication Sciences (125 cr)

Distribution requirement (41–55 cr, including 1 yr of biology and foreign language)

Health Core (3 cr) SHS 300

Specialization (64–84 cr)

- Required (31 cr) COMSC 302, 303, 304, 306, 307, 420, 421, 422, 423, 440, 442
- Recommended electives (14–17 cr) COMSC 400, 441, 443, 480, 490, BIOL 278, 279, PSYCH 180, 206, 270, 322
- Free electives (21–38 cr)

Minor Students majoring in Communication Sciences declare a minor (usually 12–15 credits) in an academically related or supportive area with the approval of the program advisor.

COURSE LISTINGS

COMSC 302 Anatomy and Physiology of Speech 3 hrs, 3 cr. Comprehensive study of respiratory, phonatory, and articulatory systems.

COMSC 303 Anatomy and Physiology of Hearing 3 hrs, 3 cr. Study of anatomy, physiology, and neurology of auditory system and of pathologies of ear.

COMSC 304 Phonetics 3 hrs, 3 cr. Introduction to general acoustic, physiological, and perceptual features of speech.

COMSC 306 Speech Acoustic and Perception 3 hrs, 3 cr. Prereq: COMSC 304. Introduction to acoustical concepts needed in speech analysis. Review of techniques for acoustical analysis of speech.

COMSC 307 Learning Processes in Speech and Language Behaviors 3 hrs, 3 cr. Introduction to childhood acquisition of verbal communication.

COMSC 400 Topics in Communication Sciences 3 hrs, 3 cr. Topics vary from semester to semester and are announced before registration.

COMSC 420 Speech Pathology I 5 hrs (includes 25 hrs therapy observation), 4 cr. Prereq: COMSC 302, 303, 304. Organic and behavioral prerequisites of communication and its breakdown.

COMSC 421 Speech Pathology II 3 hrs, 3 cr. Prereq: COMSC 420. Continued study of language and speech disorders, their causes and treatment.

COMSC 422 Clinical Practice in Speech Pathology I 2 hrs lec, 2 hrs lab, 2 cr. Prereq: COMSC 420. Introduction to clinical practicum under direct supervision of clinical faculty in Hunter's Center for Communication Disorders.

COMSC 423 Clinical Practice in Speech Pathology II 1 hr lec, 3 hrs lab, 2 cr. Prereq: COMSC 422. Continued supervised clinical practicum experience in Hunter's Center for Communication Disorders.

COMSC 440 Audiology I 3 hrs, 3 cr. Prereq: COMSC 306. Basic properties of auditory stimulus; responses of normal listener; introduction to equipment and standards.

COMSC 441 Audiology II 3 hrs, 3 cr. Prereq: COMSC 440. Educational, psychological, vocational aspects of hearing impairment. Language development for hearing handicapped.

COMSC 442 Clinical Practice in Audiology I 4 hrs, 2 cr. Prereq: COMSC

440. Introduction to clinical practicum experience in audiology under the direct supervision of clinical faculty.

COMSC 443 Clinical Practice in Audiology II 4 hrs, 2 cr. Prereq: COMSC 441, 442. Continued supervised clinical practicum experience in Hunter's Center for Communication Disorders.

COMSC 480.1, .2, .3 Independent Study* Hrs TBA, 1, 2, 3 cr respectively. Prereq: perm. director.

COMSC 490 Honors* Hrs TBA, 3 cr. Prereq: perm. director.

* Total credits in independent study courses and honors may not exceed 6.

COMMUNITY HEALTH EDUCATION—BS

Program Director Nicholas Freudenberg, room W1005, 425 East 25th St. phone 481-5111

Professors Carrera, Gilpatrick, Holmes

Associate Professors Freudenberg, Zoloth

Advisor (to be announced)

Community health educators are concerned with personal and community health, and with motivating changes in health-related behavior. They assist in promoting opportunities for citizen participation in health services delivery and planning, and collect data on community members' needs, interests, attitudes, values, and experiences. They are prepared to train, supervise, and utilize auxiliary personnel in local health services, and they work with civic groups, media specialists, and other professionals to develop educational programs. They recruit and orient volunteer personnel for municipal, private, and voluntary health agencies.

Community health educators are employed by a variety of governmental and private organizations, including health and welfare agencies, hospital clinics, medical groups, extended care facilities, regional planning bodies, schools, adult education programs, housing developments, community agencies, home care programs, diagnostic and treatment centers, and workplace health programs.

Admission Requirements Completion of 60 credits before entrance; GPA of 2.5; one semester of college-level biology. Students enter the Community Health Education Program in the fall and spring semesters; entrance in the fall semester is encouraged.

Requirements for Graduation in Community Health Education (128 cr)

Distribution Requirement (41–43 cr, including BIOL 100, STAT 113, SHS 310, or equiv; foreign language not required)

Health Core (10 cr) SHS 310, 330, 340, 420

Specialization

- Required (31–32 cr) COMHE 301, 302, 303, 401, 402, 403, 405, EHS 301, HECO 141, and 3 of the following: COMHE 321, 322, 323, 324
- Recommended electives (12 cr minimum in consultation with advisor) from urban studies, sociology, psychology, communications, anthropology, women's studies, education, SHS 200, 300
- Free electives (28–32 cr)

COURSE LISTINGS

COMHE 301 Introduction to Community Health Education: Social and Psychological Bases 3 hrs, 3 cr. Bases of health education; models for changing health behavior; community organization; evaluation and research.

COMHE 302 Principles of Health Education Practice I 3 hrs, 3 cr. Coreq: COMHE 301. Introduction to health education methods; teaching-learning transaction in health care setting; presentation skills, learning theories.

COMSC 303 Principles of Health Education Practice II 3 hrs, 3 cr. Prereq: COMSC 302. Leadership skills related to work with health consumers, in-

terviewing techniques, group dynamics, and public speaking.

COMHE 321 Addictions and Dependencies 2 hrs, 2 cr. Recent research on smoking, alcohol, narcotics and other drugs of abuse; countermeasures and treatment.

COMHE 322 Maternal and Child Health 2 hrs, 2 cr. Social, behavioral, and medical factors involved in family planning, prenatal care, childbirth, and child health.

COMHE 323 Health Aspects of Aging 2 hrs, 2 cr. Physical and mental health problems in later years; recent legislation; agencies and services.

COMHE 324 Human Sexuality 3 hrs, 3 cr. Prereq: SHS 320, 321, COMHE 321. Study of interaction of cognitive, affective, and behavioral dimensions of sexuality.

COMHE 400 Topics in Community Health Education and Public Health 3 hrs, 3 cr. Content varies from semester to semester to address changing needs of profession.

COMHE 401 Directed Fieldwork I 6 wks, 3 cr. Prereq: COMHE 302. Assignment in health care agency to provide experience of requirements of profession.

COMHE 402 Directed Fieldwork II 1 full day per wk, 2 cr. Prereq: COMHE 401.

COMHE 403 Directed Fieldwork III 1½ days per wk, 3 cr. Prereq: COMHE 401, 402.

COMHE 405 Principles of Administration of Health Care Agencies and Institutions 3 hrs, 3 cr. Prereq: SHS 300. Overview of US health care system, official and voluntary agencies; introduction to administrative skills.

COMHE 480.1, .2, .3 Independent Study* Hrs TBA, 1, 2, 3 cr respectively. Prereq: perm. director.

COMHE 490 Honors* Hrs TBA, 3 cr. Prereq: perm. director.

* Total credits in independent study courses and honors may not exceed 6.

ENVIRONMENTAL HEALTH SCIENCE—BS

Program Director David Kotelchuk, room W1028, 425 East 25th St., phone 481-5119

Professor Cunningham

Assistant Professor Caravanos

Instructor Clark

Note: Admission of students to the undergraduate Environmental Health Science program has been suspended. Students interested in preparing for admission to the graduate program should contact the Environmental Health Science program, phone: 481-5119.

The environmental health scientist plays a key role in the assessment and management of factors affecting human health and environmental quality, for example, pollution of water and air, food sanitation, and workplace health and safety. Students trained in this program may enter fields such as industrial hygiene, institutional and community sanitation, solid waste control, and radiological health. Positions exist in governmental agencies, private industry, and voluntary organizations.

The curriculum provides the required fundamentals for environmental health careers as well as courses in industrial hygiene, public health administration, and environmental conservation. In addition, extensive training in laboratory skills and field procedures are an integral part of the academic program.

Students in this program are eligible for numerous internship arrangements that provide work experience in environmental health. These opportunities include cooperative work-study programs with governmental agencies, institutions, public interest groups, and labor organizations.

Admission Requirements Completion of 60 credits before entrance; GPA of 2.5; 8 credits and GPA of 2.0 in one or more of the following: college-level biology, chemistry, physics.

Requirements for Graduation in Environmental Health Science (128 cr)

Distribution Requirement (31 cr excluding Category I: Science and Mathematics; foreign language not required)

Category I requirements

Science and Mathematics (29½ cr) BIOL 100, 102, CHEM 102, 103, 104, 105, 120, PHYS 110, 120, STAT 113, or equivalents

Health Core (9 cr) SHS 300, 320, 330

Specialization

- Required (28 cr) COMHE 301, EHS 300, 305, 403, 404, and any 4 of the following: EHS 310, 312, 314, 316, 320, 326
- Recommended electives (31½ cr) EHS 324, 400, 480, 490, BIOL 102, 200, 230, CHEM 121, 249, COMHE 302, 303, 405, CSCI 125, GEOL 101, 205, MATH 150, 155, SHS 321, STAT 217, or others selected in consultation with advisor.

COURSE LISTINGS

EHS 300 Introduction to Environmental Health Science 3 hrs, 3 cr. Scientific and sociological aspects of environmental problems.

EHS 301 Environmental Public Health Problems 2 hrs, 2 cr. Environmental problems increased by urbanization, water and air pollution, waste disposal, radiation hazards.

EHS 305 Environmental Measurements Laboratory 5 hrs, 3 cr. Prereq: CHEM 102, 103, 104, 105. Microbiological, chemical, and physical measurements of air, water, food, and radioactive sources.

EHS 310 Principles of Water Quality Management 3 hrs, 3 cr. Prereq: BIOL 230, CHEM 120. Water resources: health aspects, handling and treatment, regulatory standards, economic considerations.

EHS 312 Air Pollution Control 3 hrs, 3 cr. Prereq: CHEM 120, PHYS 110. Quantitative and biological aspects of air pollutants. Air quality standards, legal aspects of air pollution.

EHS 314 Solid Waste Management 3 hrs, 3 cr. Prereq: CHEM 120. Handling, collection, and disposal of solid waste; collection systems, public health aspects.

EHS 316 Elements of Food Sanitation 3 hrs, 3 cr. Prereq: BIOL 230, CHEM 120. Physical, chemical, and biological aspects of food production, processing, and distribution.

EHS 320 Environmental Control of Institutions and Medical Care Facilities 3 hrs, 3 cr. Prereq: BIOL 230, CHEM 120, EHS 300. Application of biological, chemical, and physical methods to identification and control of environmental problems.

EHS 324 Occupational Safety and Accident Control 3 hrs, 3 cr. Epidemiological approach to accidents in industry, institutions, recreational areas, and on highways.

EHS 326 Occupational Hygiene 3 hrs, 3 cr. Evaluation and control of chemical, physical, and other hazards in working environment. Governmental regulations.

EHS 400 Topics in Environmental Health Science 3 hrs, 3 cr. Topics will be announced prior to registration. May be repeated as topics vary.

EHS 403 Field Study on Environmental Problems 8 wks, 4 cr. Prereq: EHS 300; perm. director. Work-study programs in a variety of agencies and institutions.

EHS 404 Senior Seminar 3 hrs, 2 cr. Required of all majors in senior yr. Discussions by students, faculty, and invited speakers on selected topics in environmental health.

EHS 480.1, .2, .3 Independent Study* Hrs TBA, 1, 2, 3 cr respectively. Prereq: perm. director.

EHS 490 Honors* Hrs TBA, 3 cr. Prereq: perm. director.

NUTRITION AND FOOD SCIENCE—BS

Program Director Barbara H. J. Gordon, room W715, 425 East 25th St., phone 481-7563

Professor Waslien

Associate Professors von Cseh, Watkins

Assistant Professors Fishman, Gordon

Instructor O'Brien

Advisor Barbara Gordon, room W715

The study of nutrition is multifaceted and includes the study of foods and the functions of nutrients in the body. Dietitians interpret nutritional science for people's specific dietary needs in health and disease throughout the life cycle. The dietitian's training is used in hospital and community settings, as well as in nutrition counseling. Nutrition professionals research the role of dietary components in medical problems; manage food programs in schools, institutional, or business settings; teach in schools and colleges, and communicate nutrition information to the public through the mass media.

The study of food science integrates chemical principles applied to food preparation, reviews advances in food technology, including the development of new foods, as well as examines related aesthetic factors important in food preparation. Opportunities exist in research facilities and business firms.

The Nutrition and Food Science curriculum prepares students in several areas of specialization leading to the Bachelor of Science. The four areas in dietetics also meet the academic requirements set by the American Dietetic Association for professionally qualified (Registered) Dietitians, with the addition of a dietetic internship, or other approved routes.

Option A—Dietetics

1. General Dietetics provides the student with a background in both the management and therapeutic aspects of dietetics.
2. Management Dietetics appeals to those interested in the administration and business aspects of food services.
3. Clinical Dietetics prepares students interested in counseling patients in diet modifications to aid in the prevention and treatment of health problems.
4. Community Dietetics emphasizes nutrition education and is designed to prepare health professionals for nutrition positions in a variety of community health agencies.

Option B—Business and Research

1. The Business program prepares professionals for nutrition and food-related positions in test kitchens, public relations, and public information departments.
2. A Research program is being designed for those who are interested in nutrition or food science research. Food science research provides the knowledge for controlling changes in food during production, processing, packaging, storage, distribution, preparation, and utilization.

Admission Requirements Completion of 60 credits before entrance; GPA of 2.5; one semester of general chemistry with lab, one semester of organic chemistry with lab, and one semester of biology with lab. Students enter the Nutrition and Food Science program in the fall and spring semesters. We advise that students observe the specific distribution requirements for the program, and take the basic nutrition and food science courses before applying.

Requirements for graduation in Nutrition and Food Science (128 cr)

* Total credits in independent study courses and honors may not exceed 6.

Distribution Requirements (55 cr—foreign language not required)

Category I All majors must take CHEM 100, 101, 120, 121, BIOL 100, 102, STAT 113.

Category III No foreign language is required.

Category V All majors must take COMM 160.

Category VI All majors must take PSYCH 100, SOC 101, ECO 100 or 202, 101.

SPECIALIZATION

Dietetics Plan IV Core (51 cr) NFS 131, 141, 331, 333, 335, 341, 342, 343, 402, 435, 441, 442, 443; MLS 351, CSCI 120, BIOL 280

General NFS 332, 361, 434, 444, 445, SHS 310, ECO 271

Management NFS 361, SHS 310, ECO 260, 271, 345, 361, EHS 316

Clinical NFS 444, 445, SHS 310, 330 plus 3 cr rec. elec. in consultation with advisor

Community NFS 332, 361, 401, 434, SHS 310, 330

Business and Research Core (51 cr) NFS 131, 141, 331, 332, 333, 335, 341, 342, 361, 402, 431, 443, 444, 445, CSC 130, MLS 351

Business NFS 401, SHS 310, ECO 271, 362, 365

Research NFS 480 or 490, EHS 316, SHS 320, 330

COURSE LISTINGS

NFS 131 Food Science I 3 hrs, 3 cr. Prereq: NFS 141. Basic principles of the chemical and physical nature of foods, food sanitation and safety; the nutritional value of food in relation to storage, processing, and preparation.

NFS 141 Nutrition 3 hrs, 3 cr. Fundamentals of the science of nutrition as they apply to individuals and society.

NFS 331 Food Science II 5 hrs (2 lec, 3 lab), 3 cr. Prereq: NFS 131, CHEM 120, 121. Application of the principles of chemical and physical changes that occur during food preparation and preservation; product evaluation and meal management; laboratory preparation.

NFS 332 Cultural Aspects of Food and Nutrition 3 hrs, 3 cr. Prereq: NFS 131, 141, ANTHC 101, SOC 101. Study of the way in which cultural, social, and technological factors influence food behavior and dietary patterns.

NFS 333 Nutrition Education 3 hrs, 3 cr. Prereq: NFS 131 and 341. Introduction to the theories and principles of the teaching-learning process in the field of nutrition.

NFS 335 Institutional Management 3 hrs, 3 cr. Prereq: NFS 141, 331, ECO 202. Overview of the theories, functions, and tasks of management. Discussion of labor and effective methods for directing an operation with applications drawn from food service.

NFS 341 Advanced Nutrition 3 hrs, 3 cr. Prereq: NFS 141, CHEM 120, 121, SHS 310, BIOL 280. Topical approach to nutrition. Application of newer knowledge of nutrition to current problems. Critical review of literature.

NFS 342 Nutrition and Human Development 3 hrs, 3 cr. Prereq: NFS 341. Nutritional needs throughout the life cycle; pregnancy, infancy, childhood, adolescence, adulthood, and later years.

NFS 343 Diet Therapy I 3 hrs, 3 cr. Prereq: NFS 331, 341; coreq: NFS 342. Nutrition assessment, quality care assurance, program evaluation, and professional responsibilities of dietitians in the clinical setting.

NFS 361 Food and the Consumer 3 hrs, 3 cr. Prereq: NFS 131, 141, 331, ECO 100 or 202. Food issues; food services available to the consumer; responsibilities of the private and public sectors.

NFS 401 Techniques of Communication in Nutrition 3 hrs, 3 cr. Prereq: NFS 331, 341, COMM 160. Theory/practice of communications skills for

Nutritionists/Food Scientists. Includes food demonstrations, a-v's, public relations, advertising.

NFS 402 Seminar in Nutrition and Food Science 3 hrs, 3 cr. Prereq: NFS 335, 342. Research in nutrition and food science; examination of professional goals.

NFS 431 Experimental Foods 5 hrs (2 lec, 3 lab), 3 cr. Prereq: NFS 331, 341. Scientific approach to food testing; use of instruments and techniques used in food and nutrition laboratories.

NFS 434 Nutrition and the Elderly 3 hrs, 3 cr. Prereq or coreq: NFS 342, PSYCH 100, SOC 101. Psychological, psychosocial, and economic problems of the elderly; how needs are met by government and private agencies. Application of nutrition to these problems.

NFS 435 Food Service Systems 3 hrs, 3 cr. Prereq: NFS 335. The organization and administration of a food service operation from the systems approach on the tactical and strategic level, stressing learning activities and competencies required by the American Dietetic Association.

NFS 441 Community Nutrition 3 hrs, 3 cr. Prereq: NFS 333, 342. Analysis of nutrition services, legislation and policy; role and function of community nutritionist; nutrition education in a community setting.

NFS 442 Diet Therapy II 3 hrs, 3 cr. Prereq: NFS 342, 343, MLS 351. The adaptation of the diet in the therapeutic treatment of disease.

NFS 443.51, 443.52, 443.53, 443.54, 443.55, 443.56 Practicum in Nutrition and Food Science 7 hrs (1 lec, 6 lab), 3 cr. Prereq: NFS 442. Practicum in institutions, agencies, business and research firms; projects.

NFS 444 Advanced Nutrition 3 hrs, 3 cr. Prereq: NFS 341, 441. A study of the biochemical conditions leading to disease and the interrelationship between nutrition and abnormal metabolism.

NFS 445 Advanced Nutrition Laboratory 3 hrs, 1 cr. Prereq: NFS 341, 431 or 441; coreq: NFS 444. Laboratory experience with basic methods of biochemical analysis and interpretation of biochemical data.

NFS 480.2, 3 Independent Study in Nutrition and Food Science Hrs TBA, 2, 3 cr, respectively. May be taken one or two sem. Prereq: NFS 342 with perm. dept. chair.

NFS 490 Honors in Nutrition and Food Science Hrs TBA, 3 cr. Prereq: NFS 342. Seniors with permission of the program director. Supervised independent research project. A written report or suitable presentation is required.

MEDICAL LABORATORY SCIENCES—BS

Program Director Brian Naughton, room W706, 425 East 25th St., phone 481-4442

Professor Oreskes

Associate Professor Naughton

Assistant Professors Linder

Advisor Regina Linder, room W729

Knowledge of the concepts and practice of laboratory science is essential for those pursuing careers in research or clinical science. Laboratories in medical centers, clinics, and pharmaceutical companies employ the latest technology to provide data to physicians and research scientists for the diagnosis, treatment, study, and prevention of disease. Diagnosis and evaluation of patients admitted to a hospital or clinic is often dependent upon the results of a series of laboratory tests. In addition, individuals who are trained in laboratory science are important members of research teams in academic, clinical, and industrial settings.

Medical Laboratory Sciences is an academic program which addresses both the theoretical and technical aspects of the medical laboratory. The curriculum is designed to prepare students for careers as medical laboratory technologists or research assistants, and excellent employment opportunities currently exist in these fields. Graduates of the program who go on to complete the required number of clinical hours meet the specifications of the New

York City Department of Health certificate for medical technologists. The program provides students with the academic background for admission to professional schools (medical/dental) and graduate programs. The program therefore provides the technical training necessary for a career in medical technology, as well as the appropriate foundation for further academic pursuits.

Admission Requirements Completion of 60 credits before entrance: GPA of 2.5; the following course work with a GPA of 2.5: 1 year general chemistry with lab, 1 year biology with lab. Students enter the Medical Laboratory Sciences Program in the fall and spring semesters. We advise that Hunter College distribution requirements be met before entering the program.

Requirements for Graduation in Medical Laboratory Sciences (128 cr)

Distribution requirement (31 cr) excluding Category I: Science and Mathematics; foreign language not required.

Category I Requirements

Science and Mathematics (30½–31½ cr) including BIOL 100, 102, CHEM 102, 103, 104, 105, 222, 223, MATH 150 or STAT 113, PHYS 101, or equiv.

Health Core (6–7 cr) SHS 320 and one of the following: SHS 300, 330, PHIL 250, 288, SOC 301

Specialization (33 cr) MLS 300, 347, 349, 351, 352, 353, 354, 355, 360, 420, 450, 457, C SCI 295 or equivalents.

Electives (26½–27½ cr) Recommended: MLS 348, 361, 400, 410, 454, 458, 459, 480, 490, BIOL 204, 252, 276, 300, 306, CHEM 224, 225, 249, 252, MATH 155, STAT 113 or 117.

COURSE LISTINGS

MLS 300 Introduction to the Medical Laboratory 2 hrs, 2 cr. Prereq: 1 yr biology, 1 yr chemistry. Study of medical laboratory; functions, skills of personnel, and role in health care delivery systems.

MLS 347 Human Histology 2 hrs, 2 cr. Prereq: SHS 320. Structure and function of normal human tissues and cells.

MLS 348 Histology Laboratory 3 hrs, 1 cr. Prereq: SHS 321; prereq or coreq: MLS 347. Preparation of tissues for microscopy. Special staining techniques.

MLS 349 Hematology 5 hrs, 3 cr. Prereq or coreq: MLS 353; prereq: SHS 320, 321. Study of normal and pathological conditions of blood. Use of current diagnostic techniques such as peripheral blood and bone marrow differential counting and blood banking.

MLS 351 Clinical Microbiology I 5 hrs, 3 cr. Prereq: BIOL 100. Properties and mechanisms of pathogenesis of micro-organisms associated with disease and the antimicrobial agents used to control them.

MLS 352 Clinical Microbiology II 5 hrs, 3 cr. Prereq: MLS 351 or equiv. Continuation of MLS 351 with particular emphasis on anaerobic bacteria, fungi, and viruses.

MLS 353 Clinical Laboratory Instrumental Analysis 5 hrs, 3 cr. Prereq: 1 yr of 1 of the following: CHEM 100, 102, 103, 104, 105; coreq: CHEM 120, PHYS 110, 120. Principles of instrumentation including study of photometrics, electroanalysis, particle counting, chemical analysers.

MLS 354 Clinical Biochemistry I 5 hrs, 3 cr. Prereq: MLS 353. Normal and pathological human chemical processes. Clinical chemistry methodologies applied to biological specimens.

MLS 355 Clinical Biochemistry II 5 hrs, 3 cr. Prereq: MLS 354. Continuation of MLS 354.

MLS 360 Immunology 5 hrs, 3 cr. Prereq: MLS 349, 354. Cellular reactions in immunology, structure of antibodies and antigens, and laboratory determination of immune functions.

MLS 361 Laboratory Data Processing 2 hrs, 2 cr. Prereq: MLS 353, 354, C SCI 295 or equiv. Study of laboratory data processing including quality control and computer procedure.

MLS 400 Topics in Biomedical Sciences 1–3 hrs, 1–3 cr. Topics vary from semester to semester and are announced before registration.

MLS 410 Summer Practicum 8 wks, 4 cr. Prereq: perm. director. Directed summer experience in clinical laboratories. Arranged on individual basis.

MLS 420 Fundamentals of Pathology 2 hrs, 2 cr. Prereq: 1 yr biology, SHS 320, 321. General pathology: alterations occurring after injury or disease. Relation between pathological and clinical findings.

MLS 450 Cell and Tissue Culture 3 hrs, 2 cr (1 lec, 2 lab). Prereq: MLS 351, 352, or equiv. Cell and tissue culture theory and techniques, including starting primary cultures, passing and preservation of cells, cytotoxicity assays and monoclonal antibody techniques.

MLS 454 Parasitology 5 hrs, 3 cr. Prereq: MLS 351. Ecology, life cycle, physiology, and identification of intestinal, blood, tissues, and ectoparasites of man.

MLS 457 Senior Seminar I 2 hrs, 1 cr. Experience with tools of research library; history, development, and personalities of medical science.

MLS 458 Senior Seminar II 2 hrs, 1 cr. Continuation of MLS 457.

MLS 459 Viral Mechanisms in Human Disease 2 hrs, 2 cr. Prereq: MLS 351 and 352 or equiv. Structure and replication of viruses, viruses as models in molecular biology, and the mechanisms of interferon action in relation to human disease.

MLS 480.1, .2, .3 Independent Study* Hrs TBA, 1, 2, 3 cr respectively. Prereq: perm. director.

MLS 490 Honors* Hrs TBA, 3 cr. Prereq: perm. director.

* Total credits in independent study courses and honors may not exceed 6.

PHYSICAL THERAPY—BS

Program Director and Advisor Robert E. Ayers, room E013, 425 East 25th St., phone 481-4469

Associate Professor Ayers

Assistant Professor Rosen

Instructors Kroll, Pimentel

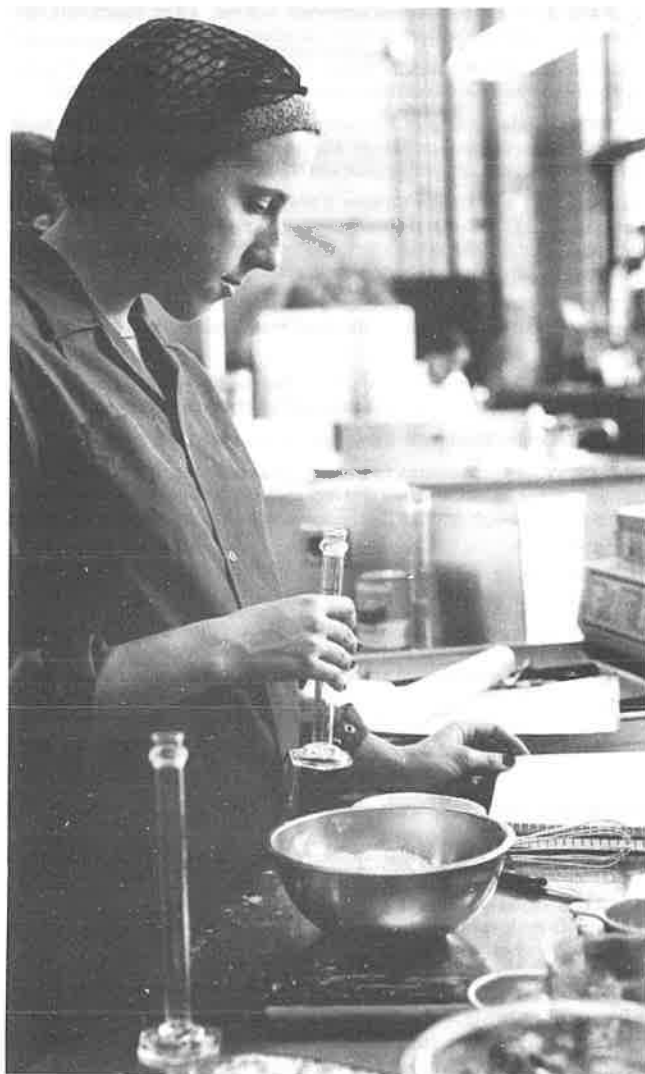
Lecturer Sweitzer

Physical therapists, as essential members of the health team, are primarily concerned with service to the patient. They work to help maintain good health as well as to restore function and prevent disability after a disease or injury. Where permanent disability exists, the goal is to help patients reach their maximum potential so that they can assume their rightful place in society while learning to live within the limits of their capabilities. Treatment may consist of giving strengthening exercises after a fractured leg, instruction for walking and stair-climbing to a person with paralysis following a stroke, or coordination exercises to a child with ataxia. Other methods of treating disorders or alleviating pain include such physical modalities as heat, cold, water, ultrasound, and electricity.

Physical therapists may be employed in hospitals, rehabilitation centers, and schools for disabled children. Some are employed in outpatient clinics, private practice, nursing homes, and sports medicine clinics. They may join the armed services, work in public health agencies, or be self-employed.

The program is accredited by the American Physical Therapy Association. Graduates are prepared for the Licensing Examination in Physical Therapy in New York as well as all other states.

Admission Requirements Completion of 64 credits before entrance; GPA of 2.8; the following college-level courses with a GPA of 2.8: 2 semesters of biology with lab, 2 semesters of physics with lab, 2 semesters of chemistry with lab, 2 semesters of psychology, 1 semester of college-level mathematics (no more than 1 semester of any of the above may be completed during the summer preceding entrance); documented evidence of exposure to the pro-



profession, either through volunteer work or paid employment. A personal interview is required. Applicants should contact the program to arrange for an interview appointment by February 15. The program is full-time and is offered only during the day. Students enter the program in the fall semester only. Hunter College distribution requirements should be met before entering the program.

Requirements for Graduation (128 cr)

Distribution Requirements (31 cr) excluding Category I: Science and Mathematics; foreign language not required.

Category I Requirements

Science and Mathematics (27–30 cr) BIOL 100, 102, CHEM 100, 101, 120, 121 or 102, 103, 104, 105, PHYS 110, 120, MATH 120 or 150 (highly recommended) or equivalents.

Free Electives (4–9 cr)

Health Core (12 cr) SHS 300 or NFS 141, plus SHS 320, 340, 420

Specialization (49–51 cr) Required sequence of study:

Junior Year (1st sem) PT 300, 310, 311, SHS 300 or NFS 141, SHS 320 (2nd sem) PT 320, 321, 322, 323, SHS 340, 380, 420

Senior Year (1st sem) PT 432, 433, 434, 435, 436, 437

(2nd sem) PT 400, 442, 443, 444, 445, 480 or 490

Summer Session PT 452 (summer after senior year)

COURSE LISTINGS

PT 300 Introduction to Physical Therapy 2 hrs, 1 cr. Physical therapy and its relationship to other professions; terminology, ethics, and basic procedures.

PT 310 Human Anatomy 6 hrs, 4 cr. Prereq: 1 yr biological sciences. Study of neuro-musculo-skeletal, cardiopulmonary, and other systems through dissection and prosection.

PT 311 Therapeutic Application of Physical Agents I 4 hrs, 2 cr. Prereq: 1 yr biological sciences; coreq: PT 310. Principles and practical application of hydrotherapy and massage as used in physical therapy.

PT 320 Functional Anatomy and Kinesiology 4 hrs, 3 cr. Prereq: 1 yr physics, PT 310, SHS 320, 321. Correlation of neuro-musculo-skeletal anatomy with normal and abnormal functional performance.

PT 321 Therapeutic Application of Physical Agents II 4 hrs, 2 cr. Prereq: PT 311, SHS 320, 321, 1 yr physics. Principles and practical application of electromagnetic and other energies in physical therapy.

PT 322 Clinical Education I: Physical Therapy Hrs TBA, 1 cr. Prereq: PT 300, 310, 311, 321, SHS 320, 321. Assisting and observing physical therapist in evaluation and treatment procedures in clinical setting.

PT 323 Therapeutic Exercise I 5 hrs, 3 cr. Prereq: PT 310, 320, SHS 320, 321. Therapeutic application of kinesiological and neurophysiological principles of disorders of movement and posture.

PT 400 Topics in Physical Therapy 3 hrs, 3 cr. Content varies from semester to semester to address changing needs of the profession.

PT 432 Clinical Education II: Physical Therapy Hrs TBA, 2 cr. Prereq: PT 320, 322, 445, SHS 420. Supervised participation in selected patient evaluation and treatment programs.

PT 433 Therapeutic Exercise II 6 hrs, 3 cr. Prereq: PT 323. Techniques of Rood, Bobath, Brunnstrom, and PNF as applied to central nervous system disorders.

PT 434 Rehabilitation: Principles and Practices in Physical Therapy I 5 hrs, 3 cr. Prereq: PT 311, 323. Principles and practical application of restorative equipment for rehabilitation of physically disabled.

PT 435 Tests, Measurements, and Evaluation in Physical Therapy 5 hrs, 3 cr. Prereq: PT 310, 320, SHS 320, 321. Administration and interpretation of procedures for evaluation of neuro-musculo-skeletal and cardiopulmonary systems.

PT 436 Introduction to Clinical Orthopedics and Neurology 4 hrs, 4 cr. Prereq: SHS 420. Etiology and therapeutic management of selected orthopedic and neurological conditions.

PT 437 Psychology of Handicapped 2 hrs, 2 cr. Prereq: 1½ yrs biological sciences, psychology, SHS 340. Personality characteristics, psychological problems, and treatment of physically handicapped.

PT 442 Clinical Education III: Physical Therapy Hrs TBA, 2 cr. Prereq: PT 432, 433, 434, 436. Supervised participation in patient treatment programs.

PT 443 Therapeutic Exercise III 5 hrs, 3 cr. Prereq: PT 433. Application of orthopedic and kinesiological principles in treatment of musculo-skeletal disorder.

PT 444 Rehabilitation: Principles and Practices in Physical Therapy II 5 hrs, 3 cr. Prereq: PT 434. Continuation of PT 434 with emphasis on advanced techniques.

PT 445 Seminar in Organization and Management of a Physical Therapy Department 2 hrs, 2 cr. Prereq: PT 322, 432. Administration, personnel management, interdepartmental relationships.

PT 452 Clinical Education IV: Physical Therapy Hrs TBA, 0 cr. Prereq: PT 442. Full-time internship at 2 clinical sites, after completion of academic program.

PT 480.1, .2, .3 Independent Study* Hrs TBA, 1, 2, 3 cr respectively. Prereq: perm. director.

PT 490 Honors* Hrs TBA, 3 cr. Prereq: perm. director.

* Total credits in independent study courses and honors may not exceed 6.

School of Health Sciences Field Instruction Centers

COMMUNICATION SCIENCES

Beth Israel Medical Center Speech-Language Pathology, Audiology	Sylvia Balick Joan Bucholtz Beverly Sigal
Blythedale Children's Hospital Speech-Language Pathology	Susan Burke Eleanor Kaufman Theresa Mondaruli
Board of Education, City of New York Speech Services Unit	Robin Adler Eileen O'Connor
BOCES, Plainedge Early Childhood Program Speech-Language Pathology	Charlotte Veneziano
Carle Place School District Speech-Language Pathology	Cindy Lumpkin
Gouverneur Hospital Audiology	Sheila Klein
Kennedy Child Study Center Speech-Language Pathology	Pauline Alagna
League School Speech-Language Pathology	Kathleen Majlinger
Mount Sinai Medical Center Speech-Language Pathology, Audiology	Steven Blaustein Barbara DeCicco Arnold Shapiro Susan Wortsman Julie Zambuto
New York Veterans Administration Hospital Speech-Language Pathology, Audiology	Michael Groher Barbara Lieder Joyce West Robert Volin
North Central Bronx Hospital Speech-Language Pathology	Carol Telzak
St. Joseph's Hospital of Yonkers Speech-Language Pathology	Michelle Achiron Judith Josephson
St. Francis DeSales School for the Deaf Infant Program Speech-Language Pathology, Audiology	Karen Webb
St. Vincent's Hospital Audiology	Jean Marie Grande

COMMUNITY HEALTH EDUCATION

American Red Cross Operation Baby Track	Alyce Howell
Columbia Presbyterian Medical Center Young Adult Clinic	Bruce Armstrong
The Door Center of Alternatives	Judy Lipshutz
Health Action Resource Center	Joann Thompson
Hospital for Special Surgery Community Health Education	Linda Errante
Long Island College Hospital Alcoholism Services	Kathleen Nabakaba
New York Academy of Medicine School Health Curriculum Project	Freya Klein-Kaufman
New York City Department of Aging Hypertension Program	Lea Cassarino
New York City Department of Health Bureau of School Health	Marcia Kroll
Office of City Council Member Ruth Messinger	Gale Brewer

ENVIRONMENTAL HEALTH SCIENCE

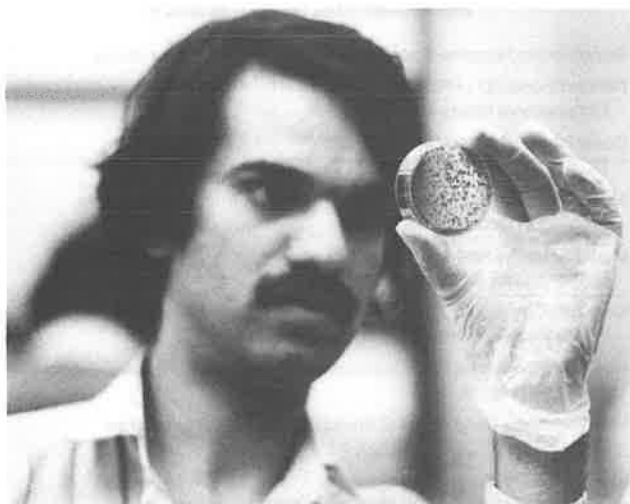
Bayley-Seton Hospital, Staten Island	Wilbur Inniss
District Council 37 (AFSCME) Occupational Safety and Health Unit	Marcia Lamel
District Council 65 (UAW) Occupational Safety and Health Department	Naomi Fatt
Montefiore Hospital Program in Occupational Health	David Michaels
Mount Sinai Hospital Environmental Sciences Laboratory	Arthur Frank
New York City Health Department Health Research Training Program	Marvin Gewirtz
New York Committee for Occupational Safety and Health	Joel Shufro
New York State Department of Environmental Conservation	Terry Agriss
New York State Department of Health Division of Environmental Health Services	Al Buff
New York State Department of Law (Attorney General's Office) Environmental Protection Bureau	Michael Sorgan
Paterson, New Jersey, Division of Health Occupational Health Program	Richard Lester

MEDICAL LABORATORY SCIENCES

Bellevue Hospital Center	John Pierson Carole R. Rubin
Bronx Municipal Hospital Center Jacobi Building	Evelyn Dugan Lawrence Freundlich Joseph Furguele Arthur Karman James Lampasso Benjamin Tyson Barry Wenz William Worthy
Lenox Hill Hospital	Marguerite Duby Harry lochim Margaret O'Connor
Metropolitan Hospital Center Pathology Department	Stephen Chaitowitz Velma Champlain James DiStephano Elbert Hicks Lockland Quinlan, Jr. Gita Ramaswamy Jay Allan Rubin Victor Tcherkoff
New York Hospital Cornell Medical Center	Gordon Faircloth Lorraine Garshelis Elizabeth Gimlet Marvin Tessler
Our Lady of Mercy Medical Center	Marvin Auslander Robert D. Belsky Joseph Fiorello Thomas Ip Mary Ann Strait Graham

PHYSICAL THERAPY

Associated Therapies	Joan Malden
Bayley Seton Hospital	Louis Ianuzzi
Beekman Downtown Hospital/New York Infirmary	Sue Blanzaco



Bellevue Medical Center
 Beth Israel Medical Center
 Bird S. Coler Hospital
 Blythedale Children's Hospital
 Valhalla, NY
 Booth Memorial Hospital
 Bronx Municipal Hospital (Jacobi)
 Bronx Veterans Administration Hospital
 Brookdale Medical Center
 Brooklyn Veterans Administration Hospital
 Burke Rehabilitation Center
 White Plains, NY
 Cabrini Health Care Center
 James Cardone & Associates
 Children's Specialized Hospital
 Westfield, NJ
 City Hospital of Elmhurst
 Columbia Presbyterian Medical Center
 Daughters of Jacob
 Doctors Hospital
 Eastside Sports Medicine Center
 Garden State Rehabilitation
 Goldwater Memorial Hospital
 Good Samaritan Hospital
 Gouverneur Hospital
 Greater Harlem Nursing Home
 Hackensack Hospital Center
 Hackensack Hospital Home Care
 Hand Rehabilitation Unit
 Harlem Hospital
 Helen Hayes Hospital
 New York State Rehabilitation Center
 Holy Name Hospital
 Hospital for Joint Diseases
 Orthopedic Institute
 Hospital for Special Surgery
 Institute for Crippled and Disabled
 Institute of Rehabilitation Medicine

Barbara Schad
 Marsha Star
 Anastasia Klansko
 Barbara Milch
 Kathy Novick
 Eileen Costello
 Hope Whittacker
 Holly Milhauser
 Mary Cotterill
 Ann-Marie Sirois
 Adrienne Bardonne
 Liz Belsky
 Sandra Nussenfeld
 Julia Borrero
 Lynn Barrel
 Sonia Sanzo
 Denise Ingalls
 Tony Saraniti
 Nancy Walsh
 Carolyn Chickazunga
 Filomena Ricciardone
 Lorraine Messier
 Ernesto Perez
 Diane LaFalce
 Belle Barnes
 Jill White
 Judy Fram
 Barbara Hanley
 Theresa Barahman
 Ronald Cahn
 Sherri Schenayder
 Ted Corbett/Dina Fine
 Catherine Van Olden

John F. Kennedy Medical Center
 Edison, NJ
 Kateri Residence
 Kessler Institute
 West Orange, NJ
 Kingsbrook Jewish Medical Center
 Kings County Hospital
 LaGuardia Hospital
 Lamm Institute
 Lenox Hill Hospital
 Lincoln Hospital
 Long Beach Memorial Hospital
 Long Island Jewish Hospital &
 Geriatric Center
 Lubin Rehabilitation Center
 Lutheran Medical Center
 Manhattan Veterans Administration Hospital
 Memorial Hospital
 Methodist Hospital
 Metropolitan Hospital
 Misericordia Hospital
 Montefiore Hospital
 Mount Sinai Hospital Center
 Pediatric Pulmonary Division
 New Rochelle Hospital
 New York Hospital
 North Central Bronx Hospital
 North Shore Hospital
 Peninsula General Hospital
 Roosevelt Hospital
 Seaview Hospital and Home
 Southern Vermont Medical Center
 Sports Training Institute
 St. Agnes Hospital
 St. John's Episcopal Hospital
 Queens Hospital
 St. John's Riverside Hospital
 Yonkers, NY
 St. Joseph's Hospital
 St. Luke's Hospital
 St. Mary's Children's Hospital
 St. Mary's Hospital—Brooklyn
 St. Vincent's Hospital—Manhattan
 St. Vincent's Medical Center of Richmond
 Staten Island Hospital
 State University Hospital—Downstate
 Tzvi Barak
 United Cerebral Palsy Hospital—Brooklyn
 United Cerebral Palsy Hospital—Queens
 United Cerebral Palsy Hospital—Suffolk
 United Hospital
 Port Chester, NY

Denise Brower
 Phyllis Mandel
 Pat Carey
 Carol Pisapio
 Heidi Kahn
 Howard Katz
 Beth Topolski
 Lorraine Mager
 Susan Westcott
 Kyle DeMeo
 Veronica Southard
 Marge Raphael
 Rose Marie Spamer
 Neil Anastasio
 Vincent Cavallaro
 Lonnie Thayer
 Bernadette Shea
 Jack Joe
 Jim Watts
 Peggy Enroe
 George Vagias
 Robert Pachero
 Melinda Jacobs
 Donna Nevin
 Melanie Gillar
 Diana Flores
 Nancy Scavin
 Alfia Passerelli
 Linda Cohen
 Theresa Conte
 Richard E. Bower
 Luanne Sforza
 Diana Matiatos-Berland
 Peter Monfort
 Barry Leschner
 Richard Miller
 Nadine Grossinger
 Marcie Lotterman
 Kathy Huvane
 Thomas Lauria
 Ann Schroeder
 Mary Kusas
 Dale Kranz
 Connie Brignole
 private practice
 Ronnie Pluskalowski
 Marion Illich
 Carol Sussi
 Louis Harris

Hebrew

DIVISION OF CLASSICAL AND ORIENTAL STUDIES

Division Office West Building room 1321, phone 772-5122

Division Head Rivka Friedman

Professor Friedman

Assistant Professor Lichtenstein

Advisors (day) Rivka Friedman (evening) Murray H. Lichtenstein

The Hebrew Division offers a comprehensive program covering the main areas of Hebraic and Judaic studies, namely Biblical and post-Biblical studies, Talmudic and medieval literature, Hebrew language and modern Hebrew literature, Jewish philosophy and Kabbalah, Jewish legacy and folklore, contemporary Jewish literature, and Israeli culture. This program is designed to develop language skills, cultivate a critical appreciation of Hebraic and Judaic literature and thought, and promote an understanding of Jewish cultural tradition against the background of world civilization. Specifically these courses may be applied to satisfy foreign language and literature components of the distribution requirement as well as fulfill major and minor concentrations.

This curriculum also meets the special needs of students majoring in other disciplines for courses dealing with the Hebraic or Judaic factor in Western civilization. The wide variety of course offerings, covering the entire range of Hebraic and Judaic culture from early Biblical times to modern Israel, should enable students to concentrate their attention on one major period, or to aim for an overall proficiency, or to strive for both objectives simultaneously. This course of study should also provide the student with a solid foundation for further professional and graduate study in such disciplines as education, library science, publishing, area studies, specialized communication and community services, government, diplomatic and trade exchanges.

Distribution Requirement Hebrew language courses may be taken to fulfill the foreign language component (category III) of the requirement. Courses in Hebraic culture conducted in English, HEBR 259, 288, 290, 292, 295, may be taken to fulfill the humanities component (category V) of the requirement. Literature courses in Hebrew as well as in English translation may be taken to fulfill part of the literature component (category IV) of the requirement.

Placement and Exemption Students with background in the language should consult with the head of the Hebrew Division for proper placement or exemption.

Majors The major consists of 24 credits from courses beyond HEBR 101–102. In general, a Hebrew major is required to achieve proficiency in Biblical and/or modern Hebrew literature by successfully completing a minimum of 4 courses at the 300 level in Hebrew. Courses in Hebraic studies conducted in English may be applied toward partial fulfillment of the Hebrew major provided they are part of a coherent program approved by the head of the division.

Qualified students interested in a more intensive program in the field of Hebraic or Judaic studies, particularly those preparing for graduate work in such specialized areas as Semitic languages and civilizations, Jewish history, Biblical studies and archaeology, medieval or modern Hebrew literature, Near Eastern studies, or religious studies, should consult a division advisor regarding additional courses and supportive studies in related fields.

Minors 12 credits in Hebrew language, literature, or Hebraic studies in English; there is no restriction. Courses used for the

distribution requirement may also be applied to the major or minor where applicable.

Allied Minor Minors of 12 credits in all departments are accepted but may not include more than 6 credits used to fulfill the distribution requirement.

Preparation for Teaching In cooperation with the Division of Programs in Education, the Hebrew major may prepare for a career in teaching Hebrew in the junior or senior high schools. The specific requirements for qualification for the New York State certification and/or New York City licensing at this level are described in the Education statement in this bulletin. The course EDUC 369 is required for all qualified students.

Honors Opportunity for honors work is available through HEBR 491.

Electives All courses offered by the Hebrew Division are open to qualified students for elective credit. For placement consult a Hebrew Division advisor.

COURSE LISTINGS

Introductory Courses

HEBR 101 Elementary Hebrew I 3 hrs, 3 cr. Fundamentals of reading, pronunciation, and grammar for beginners. Practice in conversation and writing.

HEBR 102 Elementary Hebrew II 3 hrs, 3 cr. Prereq: HEBR 101 or equiv. Continuation of HEBR 101.

HEBR 201 Intermediate Hebrew 3 hrs, 3 cr. Prereq: HEBR 102 or equiv. Continued practice in conversational Hebrew, grammar, and composition. First course of Hebrew major.

Advanced Courses

HEBR 202 Advanced Hebrew 3 hrs, 3 cr. Prereq: HEBR 201 or equiv. Intensive practice in conversation, composition, and grammar. Selected readings in Hebrew literature.

HEBR 310 Modern Hebrew Literature I 3 hrs, 3 cr. Prereq: HEBR 202 or equiv. Reading and discussion of selected works in prose and poetry of 19th-century authors.

HEBR 311 Modern Hebrew Literature II 3 hrs, 3 cr. Prereq: HEBR 202 or equiv. Reading and discussion of selected works in prose and poetry of 20th-century authors.

HEBR 315 Biblical Literature: Pentateuch 3 hrs, 3 cr. Prereq: HEBR 202 or equiv. Selections from Pentateuch.

HEBR 316 Biblical Literature: Historical Books 3 hrs, 3 cr. Prereq: HEBR 202 or equiv. Selections from books of Joshua, Judges, Samuel, and Kings.

HEBR 317 Biblical Literature: Prophetic Books 3 hrs, 3 cr. Prereq: HEBR 202 or equiv. Selections from minor and major prophets.

HEBR 318 Biblical Literature: Haglographa 3 hrs, 3 cr. Prereq: HEBR 202 or equiv. Selections from Job, Proverbs, Psalms, and the five Megillot.

HEBR 320 The Modern Hebrew Short Story 3 hrs, 3 cr. Prereq: HEBR 202 or equiv. Extensive reading of short stories from late 19th century to present, illustrating different literary trends.

HEBR 321 Talmudic Literature 3 hrs, 3 cr. Prereq: HEBR 202 or equiv. Selections from Talmud and Midrash.

HEBR 322 Medieval Literature 3 hrs, 3 cr. Prereq: HEBR 202 or equiv. Selections from literature of Golden Age in Spain.

HEBR 323 Poetry of the Modern Hebrew Renaissance Period 3 hrs, 3 cr. Prereq: HEBR 202 or equiv. Study of major works of Bialik, Tchernichovsky, Kahan, and Shneour.

HEBR 324 The Modern Hebrew Essay 3 hrs, 3 cr. Prereq: HEBR 202 or equiv. Study of selected essays of Ahad ha'Am, Berditshevsky, and Frischman.

HEBR 325 History of Modern Hebrew Literature 3 hrs, 3 cr. Prereq:



HEBR 202 or equiv. Evolution of Hebrew literature from period of Enlightenment to contemporary Hebrew letters.

HEBR 326 Hebrew Poetry Between the Two World Wars 3 hrs, 3 cr. Prereq: HEBR 202 or equiv. Study of Hebrew poetry since World War I. Emphasis on works of Greenberg, Schlonsky, Lamdan, and Alterman.

HEBR 327 The Modern Hebrew Novel 3 hrs, 3 cr. Prereq: HEBR 202 or equiv. Intensive study of a major novel by Agnon, Barash, or Hazaz, with collateral readings in other Hebrew novels.

HEBR 328 Contemporary Hebrew Prose 3 hrs, 3 cr. Prereq: HEBR 202 or equiv. Study of prose of modern Israel, emphasizing works by Y. Shenhar, S. Yizhar, A. Meged, M. Shamir, A. Oz, A. Applefeld, and A. B. Yehoshua.

HEBR 331 Medieval Hebrew Philosophic Texts 3 hrs, 3 cr. Prereq: HEBR 202 or equiv. Study of selected chapters of Halevi's *Kuzari* and Maimonides' *Moreh Nebukim* (*Guide to the Perplexed*).

HEBR 351 Hebrew Grammar and Composition 3 hrs, 3 cr. Prereq: HEBR 202 or equiv. Intensive study of principles of vocalization, inflections of nouns and verbs, rules of syntax, and practice in composition.

HEBR 357 Approaches to Main Problems in Hebraic Studies 3 hrs, 3 cr. Prereq: HEBR 202 or equiv. Explorations in depth of a particular area in Hebraic studies. May be repeated as topics vary from semester to semester.

HEBR 451 Selected Studies in Hebrew Literature 3 hrs, 3 cr. Prereq: HEBR 202 or equiv; perm. division. Course will concentrate on an author, theme, genre, or period in Hebrew literature. May be repeated as topics vary from semester to semester.

HEBR 490 Independent Studies 3 cr. Perm. division head. Independent research under direction of a member of the division. May be repeated as topics vary from semester to semester.

HEBR 491 Honors Project 1 sem, 3 cr. Prereq: Jr/Sr only; perm. division. Individual study and research in Hebrew literature in consultation with staff member. Honors essay required. May be repeated as topics vary from semester to semester.

Electives

HEBR 371 Hebrew Conversation I 2 hrs, 2 cr. Prereq: HEBR 201 or 3 years of high school Hebrew or equiv. Intensive practice in spoken language.

HEBR 372 Hebrew Conversation II 2 hrs, 2 cr. Prereq: HEBR 371 or equiv. Continuation of HEBR 371.

Courses in Hebraic Culture Conducted in English

No knowledge of Hebrew is required for courses listed in this section. These courses are open to all students as follows:

(1) They are recommended as electives to all students, including Hebrew majors. (2) Subject to approval of the major department, a concentration of 12 credits in this area can fulfill requirement for a minor. (3) Some of these

courses may be substituted for regular Hebrew courses in the Hebrew major. Such a substitution requires approval of head of the Hebrew Division. (4) Courses in this group may be applied toward fulfillment of the distribution requirement in humanities and/or literature.

HEBR 250 Topics in Hebraic Studies in English Translation 3 hrs, 3 cr. Study in depth of a selected topic in Hebraic studies. May be repeated as topics vary from semester to semester.

HEBR 259 Old Testament Religion 3 hrs, 3 cr. Comprehensive survey of ancient Israelite religious practice, expression, and thought as reflected in Hebrew Bible.

HEBR 281 Masterpieces of Ancient Hebraic Literature in Translation 3 hrs, 3 cr. Study of Hebrew classics and collateral works against background of Jewish history and ancient civilization.

HEBR 286 Ancient Near Eastern Literature 3 hrs, 3 cr. Comparative study of ancient Near Eastern literature and Hebrew Bible.

HEBR 288 Ancient Hebraic Folklore 3 hrs, 3 cr. Analysis and comparative study of folk beliefs, practices, and literature reflected in Hebrew Bible, apocryphal literature, and rabbinic Aggadah.

HEBR 290 Biblical Archaeology 3 hrs, 3 cr. Study of Biblical sources in translation in relation to major archaeological discoveries in Israel and Near East.

HEBR 292 The Hebrew Prophets 3 hrs, 3 cr. Study of phenomenon of prophecy in ancient Israel and its contribution to historical, ethical, and religious thought.

HEBR 294 Job, Ecclesiastes, and the Human Predicament 3 hrs, 3 cr. Study of form, content, and religious significance of these two enigmatic masterworks.

HEBR 295 Ancient Hebrew Law 3 hrs, 3 cr. Historical and comparative study of Biblical and rabbinic law.

HEBR 340 Selected Studies in Hebrew Literature in Translation 3 hrs, 3 cr. Study of selected masterpieces or major themes in Hebrew literature in translation. May be repeated as topics vary from semester to semester.

HEBR 382 Masterpieces of Medieval Hebraic Literature in Translation 3 hrs, 3 cr. Selections from Major works reflecting Jewish life and thought in medieval Islamic world and Christendom.

HEBR 383 Readings in Modern Hebrew Literature in Translation 3 hrs, 3 cr. Survey of Hebraic literature from Enlightenment movement to present.

HEBR 389 Maimonides' Guide to the Perplexed 3 hrs, 3 cr. Study of this work in English with reference to Maimonides' influence on development of medieval Aristotelianism.

HEBR 391 Masterpieces of Yiddish Literature in Translation 3 hrs, 3 cr. Study of major works in Yiddish literature from Mendeleyev Mocher Seforim to present.

History

Department Office West Building room 1512, phone 772-5480

Chair Naomi C. Miller

Professors Cohen, Greenberg, Harrison, July, McNamara, Oberling, Pike, Sinnigen, Siraisi, Welter

Associate Professors Helly, Luther, Miller, Seltzer

Assistant Professors Link, Wallock

Advisors (day) William Sinnigen (evening) Pierre Oberling
(BA/MA Program) William Sinnigen

History is the record of all human experience. Its study is a first step in learning about ourselves and our society—about economics and politics, psychology and sociology, mathematics and science, the arts and the humanities.

For students whose undergraduate major is history, career opportunities are numerous and varied. Medical, law, and other professional schools favor such applicants as history majors because of their broad background in liberal arts. Moreover, while teaching has long been a popular goal, positions in government—local, state, and national—in publishing and advertising, in communications, and in business also await those students whose human perspective and intellectual discipline have been developed in the history class. Beyond the purely practical consideration of a profession, the study of history is exciting in its own right. The long record of human experience waits to be relived and reevaluated by students for whom the rewards of learning arise from a heightened awareness of both their distant and recent heritage.

Distribution Requirement No more than 6 credits of the minor may also be offered toward the distribution requirement. We suggest, but do not require, that students who are thinking of continuing the study of history on the doctoral level elect French or German to meet the foreign language portion of the distribution requirement.

Major The history major consists of 24 credits as follows:

- a. 6-12 cr in basic courses from among Group 1, of which 3 cr will not be counted toward the major.
- b. at least 15 cr numbered 300 or above, including a minimum of 3 credits in a seminar (HIST 382/492), or problems (HIST 383/483, 384/484, or 385/485), or individual tutorial (HIST 493).
- c. at least 6 cr in United States history and 6 cr in European history.
- d. HIST 291 (Introduction to Historical Study) is strongly recommended and should be taken in the sophomore year.

Students may not use courses graded on the basis of Credit/No Credit toward fulfillment of the major.

Minor The minor consists of 12 credits chosen from 1 or 2 fields of study, including interdisciplinary fields such as women's studies, Jewish social studies, energy policy studies, inter-American affairs, and the program in religion.

An elementary education minor of 15 credits is governed by the regulations of the NY State Department of Education. A minor may include 6 credits in any one subject taken to satisfy the distribution requirement, provided that it also includes 6 credits of more advanced work in the same subject.

Choice of particular courses in the minor must be approved by the student's departmental faculty advisor. The department advisor may be consulted regarding approval, for special reasons, of subjects not listed here.

Special areas (such as Latin America, Middle East, Russia) may constitute a minor. Twelve credits could be taken in courses dealing with one particular area in cultural anthropology, economics, geography, literature, and political science. No more than 6 credits would be counted in any single discipline. Courses should be selected with one's advisor.

Four-year BA/MA Program in History For a limited number of qualified students, the department offers a 4-year BA/MA program in history. Designed principally for incoming freshmen, the program requires 130-132 credits of college work (100-102 undergraduate, 30 graduate), foreign language reading ability, comprehensive examinations in one field of history, and a Master's essay. Two summers would be devoted to supervised reading, and graduate work would begin in the junior year. Students should consult the program's advisor or the chair of the department at the earliest possible date.

Honors in History Students will be eligible for honors in history upon completion of 27 credits in history with a 3.5 GPA and a 2.8 cumulative GPA at time of graduation. There must be included 3 to 6 credits in seminar, tutorial, or problems course (HIST 492, 493, 483, 484, 485) with a grade of B or better.

Graduate Study Qualified students in their junior and senior years may be admitted to graduate courses with the approval of the department chair.

Preparation for Secondary-level Teaching In cooperation with the Division of Programs in Education, the Department of History provides opportunities for students to prepare for a career in teaching at the secondary level. To qualify for student teaching in the social sciences, students must have a general GPA of 2.5 and a history GPA of 2.7.

Interdepartmental Fields Students wishing to do work in history as part of the interdepartmental fields of urban studies, Jewish social studies, women's studies, energy policy studies, or inter-American affairs should refer to departmental listings.

International Affairs with Major in History

Advisor Michael Luther

Major The major consists of 18 credits in history: HIST 329, 360, 361 plus 9 credits selected from HIST 277, 278, 288, 289, 327, 333, 341.54, 341.62, 341.63, 341.66, 346, 372, 375, 376.50 and .51, 377, 378, 381, 390, and seminars, problems, and tutorial if appropriate.

Minor The minor consists of 18 credits including ECO 340 or POLSC 375, and POLSC 115 and 278, GEOG 221 or 334, plus 6 additional credits chosen from cultural anthropology, economics, energy policy studies, geography, political science, sociology, religion, or other appropriate areas chosen with the approval of the advisor.

COURSE LISTINGS

Group I. Introductory Courses

HIST 111 Introduction to World History 3 hrs, 3 cr. A survey of major civilizations in different regions of the world from their origins to the 19th century, and how these civilizations were drawn into a global network in modern times.

HIST 121 Early Modern Europe 1500 to 1815 3 hrs, 3 cr. Transition from feudal society to national states; religious upheavals, expansion, and French revolutionary era.

✓ **HIST 122 Survey of 19th and 20th Century Europe** 3 hrs, 3 cr. Scientific revolutions, liberalism, imperialism, and total war.

HIST 141 Contemporary Issues in Historical Perspective 3 hrs, 3 cr. Selected themes in world history that bear on current problems and situations.

HIST 142 The Holocaust: An Introduction 3 hrs, 3 cr. Not open to students who have taken HIST 342. The attempt to exterminate the Jewish people by Nazi Germany. Comparisons will be made with other attempted acts of genocide in history.

HIST 151 The U.S. from the Colonial Era to the Civil War 3 hrs, 3 cr. From European beginnings to Civil War.

HIST 152 The US from the Civil War to the Present 3 hrs, 3 cr. From Civil War to present.

HIST 201 Ancient Civilization 3 hrs, 3 cr. Development of civilization in the Near East. Its expansion under Greece and Rome to 500 AD in Mediterranean basin.

HIST 209 Law in Western Society 3 hrs, 3 cr. The development of Western law from its roots in the ancient Near East through Greek and Roman societies, the Middle Ages, and the early modern period, ending with the age of the democratic revolution.

HIST 210 History of Judaism 3 hrs, 3 cr. Survey of Jewish religious tradition with attention to interactions between Judaism and other religions, and to role of Judaism in formation of Christianity and Islam.

HIST 211 Medieval Civilization 3 hrs, 3 cr. Social, institutional, and cultural history of Western Europe from late Roman period to mid-13th century.

HIST 241 Early English History: Anglo-Saxon England to 1689 3 hrs, 3 cr. Political, constitutional, and social developments from Anglo-Saxon Age to 1689.

HIST 242 Modern England: 1689 to Present 3 hrs, 3 cr. Modern Britain from 1689 to the present.

HIST 250 Historical Issues 3 hrs, 3 cr. Study of selected historical themes and issues. Topics vary each semester. May be taken a second time.

HIST 277 Asian Civilization 3 hrs, 3 cr. Survey of traditional cultures and sociopolitical structures of China, Japan, Korea, and Vietnam to about 1600 AD.

HIST 278 Modern Asian Civilization 3 hrs, 3 cr. Coming of West to Asia and resulting processes of revolution and modernization after 1600 AD.

HIST 288 History of Pre-colonial Africa 3 hrs, 3 cr. Survey of pre-colonial African societies with emphasis on economic and social institutions changing under environment.

HIST 289 Africa in the 19th and 20th Centuries 3 hrs, 3 cr. Historical explanation of independent Africa arising after colonialism and adjusting to modernization.

HIST 291 Introduction to Historical Study 3 hrs, 3 cr. Strongly recommended to majors. An introduction to study of history, its sources, and its methods.

GROUP II. Advanced Courses (*not open to freshmen)

HIST 301 History of the Ancient Near East* 3 hrs, 3 cr. Political and cultural developments in Egypt, Mesopotamia, Syria-Palestine, Asia Minor, Persia: ca. 3000 BC to 323 BC.

HIST 302 Greek History* 3 hrs, 3 cr. From the Bronze Age ca. 3000 BC to the Roman conquest. Emphasis on cultural and political contributions of ancient Greece.

HIST 303 Roman History* 3 hrs, 3 cr. From Iron Age to Justinian. Rise and fall of Rome's power and her political and cultural achievements.

HIST 304 Women in Early European Society* 3 hrs, 3 cr. Women from early Christian times to end of Middle Ages, emphasizing their social, economic, and political status.

HIST 305 The Age of the Crusades* 3 hrs, 3 cr. The crusading experience (1095-1292) and its influence on the development of Europe as an expansionist society.

HIST 309 Jewish History in the Ancient World* 3 hrs, 3 cr. The Jewish people from its origins to late antiquity; social and intellectual developments from Biblical to Talmudic eras.

HIST 310 Jewish History in the Medieval and Early Modern Periods 3 hrs, 3 cr. The Jewish people from late antiquity to 17th century; social and le-

gal status under Islamic and Christian rulers; religious and intellectual movements.

HIST 311 Early Middle Ages* 3 hrs, 3 cr. The development of European civilization from fall of western Roman Empire to First Crusade.

HIST 312 The High Middle Ages* 3 hrs, 3 cr. The 12th and 13th centuries in Europe: church and state; science and universities; guilds and capitalism.

HIST 313 Europe in Transition: The Late Middle Ages* 3 hrs, 3 cr. Changing aspects of social, institutional, economic, and cultural scene; humanism and art in 14th and 15th centuries.

HIST 314 Ancient and Medieval Christianity* 3 hrs, 3 cr. From Jesus to Luther: mysticism, theology, monasticism, the Papal church and its critics.

HIST 315 Christianity in Modern Times* 3 hrs, 3 cr. Not currently given.

HIST 316 History of Religion in the United States 3 hrs, 3 cr. Changing European churches and indigenous American sects; their architecture, leaders, and ideas.

HIST 320 Jewish History in the Modern World* 3 hrs, 3 cr. From 18th century to present: enlightenment, emancipation, nationalism, and a Jewish State; anti-Semitism and the Holocaust; recent trends.

HIST 323 Early Science in Western Society: From Antiquity to 17th Century* 3 hrs, 3 cr. Survey of history of science in intellectual and social context from antiquity to scientific revolution of 17th century.

HIST 324 Europe in the Age of Renaissance and Reformation* 3 hrs, 3 cr. European life and society in early modern era. Religious, political, economic, and social change.

HIST 325 Europe in the Age of Absolutism and Revolution* 3 hrs, 3 cr. Europe from middle of 17th century through Congress of Vienna 1815.

HIST 326 Europe 1815-1914* 3 hrs, 3 cr. Political, social, intellectual, and economic development from the Congress of Vienna to World War I.

HIST 327 Europe since 1914* 3 hrs, 3 cr. Europe in a century of total wars and cold war: the military, political, social, economic, and intellectual scene.

HIST 329 History of European Diplomacy* 3 hrs, 3 cr. From the Congress of Vienna and national unification movements through era of total wars and cold war.

HIST 332 European Culture in the 19th and 20th Centuries* 3 hrs, 3 cr. From Romantic poem to latest film: literature, art, religion, and science; political, social, and economic thought.

HIST 334 France During the Revolution and Napoleonic Eras 3 hrs, 3 cr. A study of 18th-century antecedents of the French Revolution, the Revolutionary decade, and the Napoleonic Era.

HIST 335 History of Modern France* 3 hrs, 3 cr. The French experience since Napoleon, with emphasis on life and death under the three Republics since 1870.

HIST 336 History of Germany* 3 hrs, 3 cr. Reformation to present; major themes embodied in German political, intellectual, and social life.

HIST 337 History of Spain* 3 hrs, 3 cr. From Middle Ages to present. Political, economic, and social developments.

HIST 338 History of Italy* 3 hrs, 3 cr. Classical to Renaissance background. Catholic Reformation, foreign domination, Risorgimento to Fascism, post-World War II era.

HIST 341 Topics in History* 3 hrs, 3 cr. Exploration of major trends, special controversies, or significant events; topics vary each term.

HIST 342 History of the Holocaust* 3 hrs, 3 cr. Not open to students who have taken HIST 142. Examination of mass murder of 6 million Jews by Nazi regime during World War II.

HIST 343 England Under the Tudors and Stuarts* 3 hrs, 3 cr. Government and society, 1485-1714.

HIST 344 Georgian and Victorian England* 3 hrs, 3 cr. Society, politics, and empire, 1714 to the death of Queen Victoria in 1901.

HIST 345 Women and Society in Victorian England* 3 hrs, 3 cr. "Woman's Nature"; women and the law, education, medicine, suffrage, work, prostitution, society, and the family.

*Not offered to freshmen.

HIST 354 The American Colonies in the 17th Century* 3 hrs, 3 cr. Comparative treatment of settlement in the Spanish, Portuguese, French, Dutch, and English colonies.

HIST 356 The Early Republic* 3 hrs, 3 cr. Politics and society in period of Jefferson and Jackson; reform, expansion, and change.

HIST 357 American Jewish History* 3 hrs, 3 cr. Development of American Jewish community: economic, political, and social integration; cultural adaptation.

HIST 358 20th-century United States* 3 hrs, 3 cr. Leading personalities and domestic problems of United States since 1900.

HIST 359 Immigration and Ethnicity in the United States 3 hrs, 3 cr. Experience of major immigrant groups since colonial times: motives for coming, economic and social adjustment, encounter with prejudice, ethnic institutions.

HIST 360 History of American Diplomacy* 3 hrs, 3 cr. From Revolution to 1900; forces that shaped American foreign relations and major principles of US foreign policy.

HIST 361 Rise of the United States as a World Power 3 hrs, 3 cr. Impact of world leadership on basic principles of American foreign policy since 1898.

HIST 362 Leaders of America* 3 hrs, 3 cr. Biographical studies of Americans prominent in politics, arts, and national life.

HIST 363 History of American Culture* 3 hrs, 3 cr. American ideas and values from colonial period to present.

HIST 364 American Constitutional History, 1783 to 1900* 3 hrs, 3 cr. Development of constitutional thought from framing of Articles of Confederation to 1900.

HIST 365 American Economic History* 3 hrs, 3 cr. Rural agrarianism to advanced industrialism. Political and social forces, problems of capitalism, and social classes.

HIST 366 Role of Women in American History* 3 hrs, 3 cr. Women in all aspects of country's past and present; drive to suffrage and its aftermath.

HIST 367 Civil War and Reconstruction* 3 hrs, 3 cr. Slavery, sectional conflict, political crisis of Union. New interpretations of postwar race relations.

HIST 368 From Frontier to City: the Emerging of Modern America* 3 hrs, 3 cr. Aftermath of Civil War and Industrial Revolution. New problems of workers, farmers, blacks, immigrants, and politicians.

HIST 369 The History of the Black People in the United States* 3 hrs, 3 cr. Not currently offered.

HIST 370 The West in American History* 3 hrs, 3 cr. As an undeveloped area; westward expansion; Indian-white relations; paradoxes of government policy; modern West.

HIST 371 Colonial Hispanic America* 3 hrs, 3 cr. Discovery, exploration, and conquest of New World. Hispanic system and culture.

HIST 372 History of Latin America in the 19th and 20th Centuries 3 hrs, 3 cr. Political and social developments with emphasis on major revolutionary movements.

HIST 374 Russia to the 20th Century* 3 hrs, 3 cr. Political, socio-economic, and cultural development of Russia from Kievan origins to crisis of monarchy.

HIST 375 Late Imperial Russia and the Soviet Union* 3 hrs, 3 cr. Political, socioeconomic, and cultural development of late 19th and 20th century Russian and Soviet society.

HIST 376.50 Golden Age of Islam* 3 hrs, 3 cr. Near and Middle East from birth of Prophet Muhammad in 571 to invasion of Egypt by Napoleon Bonaparte in 1798.

HIST 376.51 Middle East Today* 3 hrs, 3 cr. Near and Middle East from invasion of Egypt by Napoleon Bonaparte in 1798 to the present.

HIST 378 History of Modern China* 3 hrs, 3 cr. History of China from Opium War of 1840 to present, stressing Chinese Communist Revolution.

HIST 379 History of Modern Japan* 3 hrs, 3 cr. Not currently offered.

HIST 380 China to the 19th Century* 3 hrs, 3 cr. Traditions of Chinese civilization to the 19th Century.

HIST 390 History of Modern West Africa* 3 hrs, 3 cr. Impact of Islam, Christianity, and colonialism. Analysis of African nationalism and problems of independence.

HIST 391 Historical Restoration and Museum Work* 3 hrs, 3 cr. Introduction to museum work.

Special Courses

HIST 382 Historical Studies Seminar 3 hrs, 3 cr. Prereq: GPA 2.8, history GPA 3.5. Not currently offered.

HIST 383, 384, 385 Problems in History 3 hrs, 3 cr. Intensive reading and research in selected topics. Required of majors in junior or senior year.

HIST 483, 484, 485 Problems in History (Honors) 3 hrs, 3 cr. Perm. chair.

HIST 493 Individual Tutorial Research Project 3 cr. Perm. chair. and inst. Research paper under individual supervision of faculty member.

HIST 498 Inservice Learning Program 1-6 cr. Perm. chair. Work in professional institutions.

Courses not to be offered during 1986-88:

HIST 330 Social and Economic History of Modern Europe

HIST 331 European Culture in the 16th, 17th, and 18th Centuries

HIST 333 Military History: The Armed Forces and Society from the French Revolution to World War II

HIST 339 History of Hapsburg Empire

HIST 346 British Empire and Commonwealth

HIST 355 The American Colonies in the 18th Century

HIST 377 Japan to the 19th Century

HIST 379 History of Modern Japan

HIST 381 Modern Imperialism

HIST 389 History of India

HIST 492 Honors Seminars in Historical Studies

Special Honors Curriculum

Program Office West Building room 1423, phone 772-4127

Council on Honors Beaujour (Russian, chair), Grant (Biology), Griffel (Music), McClendon (Anthropology), Lavalley (Chemistry), Novak (Psychology), Potter (English, co-chair), Stapleford (Art), R. J. White (Classics)

Advisors (day and evening) Elizabeth Beaujour, John Potter

The Thomas Hunter Honors Program provides exceptional undergraduate students in BA-granting disciplines with an individualized course of study suited to their needs and interests. Students selected for the Thomas Hunter Honors Program must show evidence of high academic potential, diversified interests, intellectual curiosity, and sufficient emotional and intellectual maturity to plan and carry out a coherent program of study in consultation with the appropriate faculty advisor.

Students may apply for admission to the program on their own, or they may be asked to participate. The council regularly invites prospective freshmen with superior high school records to an interview. Invitations are also extended to freshmen and sophomores already enrolled in both the day and evening sessions whose performance indicates intellectual curiosity and exceptional ability.

Many graduates of the Honors Program go on to PhD programs in the various arts and sciences, or to law, medical, and other professional schools. The rest choose careers in a wide variety of professional, artistic, and business fields.

*Not offered to freshmen.

Distribution Requirement Students in the Honors Program are released from strict fulfillment of the distribution requirements, but they are expected to maintain breadth in their programs and to create a significant pattern of courses in several divisions, approved by a council advisor.

Major Students in the Thomas Hunter Honors Program who wish to design an interdepartmental major for themselves may do so in consultation with the appropriate council advisor. The final transcript of such students designates the major as "Special Honors Curriculum." Most students in the Honors Program, however, elect to fulfill the requirements for a specific departmental major. These students abide by departmental criteria for the major and are eligible for departmental honors. Their final transcripts record the major as Special Honors Curriculum/Specific Department

Whatever their major concentration, all students in the program must also successfully complete 3 special interdisciplinary honors colloquia and maintain a cumulative grade point average of 3.5 or better until their final certification into the program. Certification usually occurs in the student's upper sophomore or lower junior term, when the council, ruling on each case individually, decides that the student's continuing academic distinction and promise of future productivity warrant permanent membership in the Honors Program.

Honors Program students meet regularly in freshman, sophomore, and upper-level colloquia, led by members of the Council on Honors and by other invited members of the faculty.

Students entering as freshmen must take one colloquium in their first year, one in their sophomore year, and one at their convenience thereafter. Students entering as sophomores must take one in their sophomore year and 2 thereafter. While the specific content of these courses varies from semester to semester, the underlying principles remain the same.

The freshman colloquium, designed for younger students, focuses on problems of identity and uses materials drawn from various literatures, psychology, and the cinema.

The sophomore colloquium is always taught by one professor, usually a member of the Council on Honors, who attacks a specific problem using the materials and methodologies of 3 or more disciplines. Students may take more than one of these colloquia if they so desire, but at least one must be taken in the sophomore year.

The upper-level honors colloquia are special seminars, usually conducted by 2 professors, devoted to topics lending themselves to broad interdisciplinary investigation.

The colloquia offer breadth of exposure, but even more importantly, they demonstrate how knowledge gained from a variety of disciplines can be related and integrated in an effort to understand complex processes and phenomena. All colloquia involve the writing of at least one major paper, in which students try to apply the methodology of the course to material in an area of their particular interest.

Upon completion of 90 credits, honors students may also be admitted by the council to Advanced Interdisciplinary Studies, with the opportunity of engaging in advanced independent study under the council's supervision. A thesis or other appropriate report of the results of the student's research is presented to the council.

COURSE LISTINGS

HONS 101.01 Freshman Honors Colloquium 1 hr, 1 cr. For freshmen only. Perm. dept. Offered Sp.

HONS 101.02 Freshman Honors Colloquium 2 hrs, 2 cr. For freshmen only. Perm. dept. Offered Fa.

HONS 201.50 Sophomore Honors Colloquium 3 hrs, 3 cr. Perm. dept. Offered Fa/Sp. Sample topics: Integrating the Irrational; Fin de Siècle Vienna; 19th-century Intellectual Origins of Social Sciences; Evolution and Inheritance. May be taken more than once with different topics.

HONS 301.50 Upper-level Honors Colloquium 3 hrs, 3 cr. Perm. dept. Offered Fa/Sp. Sample topics: Biology, Values, and Moral Responsibility; Renaissance Cities; Arts and Letters in 4th Century; Vietnam: Fact and Fiction; Words and Music. May be taken more than once with different topics.

HONS 491 Advanced Interdisciplinary Studies 6 cr. Perm. Council on Honors.

Inter-American Affairs

Program Office West Building room 1118, phone 772-4285

Director Johnnetta Cole

IAA Committee Bendix (Anthropology), Bonnett (Sociology), Cole (Anthropology), Erickson (Political Science), Gibbons (Communications), Gross (Anthropology), Gutierrez-Vega (Romance Languages), Randall (Economics), Sears (Black & Puerto Rican Studies), White (Geography & Geology)

The interdisciplinary area specialization in Inter-American Affairs leading to a BA degree consists of 36 credits. The courses form a combined major/minor, with 24 core credits dealing with the Latin American and Caribbean areas, plus a 12-credit minor. The core courses are drawn from the Divisions of Social Sciences and the Humanities and the Arts. Students select courses for the major and minor components in consultation with the program's director or with Inter-American Affairs committee members serving as advisors.

The area of specialization of the major, combined with the minor's emphasis on a traditional discipline, serves this program's graduates well, whether they choose to go on for a graduate degree in the social sciences or humanities, to pursue a professional degree in law or business, to teach in the New York City schools, or to seek employment in public or private organizations. Finally, in a city with a large, dynamic, and still growing population from the Caribbean and Latin America, Inter-American Affairs enables many students to satisfy, through a structured program of learning, their thirst for knowledge and understanding of their area of origin.

Major The interdisciplinary major component requires 24 credits, 21 from courses focusing on Latin America and/or the Caribbean, no more than 6 credits of which may be drawn from any one participating department, plus a 3-credit interdisciplinary seminar (IAA 434) normally taken during the senior year.

Minor The 12-credit minor component, selected in consultation with the director of IAA, is taken in a department that is a participant in the program or in one that is relevant to the student's academic or career goals. The purpose of the minor is to complement the major component's broad interdisciplinary area coverage by providing exposure to the focus and tools of a traditional academic discipline.

Language Requirement Inter-American Affairs majors are required to demonstrate a reading knowledge of Spanish or Portuguese.

COURSE LISTINGS

IAA 330 Field Course to Latin America and the Caribbean 3 cr. Research paper before leaving; then intensive, tightly structured on-site observation and investigation.

IAA 434 Seminar in Inter-American Affairs 3 hrs, 3 cr. Open to juniors and seniors who have completed at least 18 cr in IAA, or perm. inst. Inter-

disciplinary reading, research, and discussion of selected topic involving economic, political, and social problems of Latin America. Research paper is required. May be repeated for maximum of 6 cr.

Courses that qualify for the major:

ANTHC 212 People and Cultures of Meso-America
 ANTHC 213 People and Cultures of South America
 ANTHC 214 People and Cultures of the Caribbean Area
 ANTHC 231 Archeology of Meso-America
 ANTHC 232 Archeology of South America and the Caribbean
 ANTHC 261 Languages and Cultures of Meso-America
 ANTHC 262 Languages and Cultures of South America
 ANTHC 263 Afro-New World Language and Culture

BLPR 141 Puerto Rican Folklore
 BLPR 143 Image of Puerto Rican National Identity and Its Literature
 BLPR 207 Afro-Caribbean Politics
 BLPR 237 Afro-Caribbean Literature
 BLPR 241 Puerto Rican History I
 BLPR 242 Puerto Rican History II
 BLPR 243 Puerto Rican Culture
 BLPR 244 Puerto Ricans in the United States
 BLPR 245, 246 Puerto Rican Literature
 BLPR 248 Spanish Language in Puerto Rico
 BLPR 255 Puerto Rican Child in American Schools
 BLPR 270 Economic History of Puerto Ricans
 BLPR 276 Puerto Rican Family
 BLPR 290 Selected Topics in Black & Puerto Rican Studies
 BLPR 307 Afro-Caribbean International Politics
 BLPR 351 Major Puerto Rican Figures
 BLPR 352 Power Structure in Puerto Rico
 BLPR 355 Spanish-Afro-Antillean Poetry
 BLPR 360 Party Politics in Puerto Rico
 BLPR 387 Puerto Rican Ethnic Politics in New York
 BLPR 390.52 Politics in the Caribbean
 BLPR 390.60 Race and Culture of Protest in the Caribbean
 BLPR 390.61 Caribbean Foreign Policy
 BLPR 403 Development in the Afro-Caribbean

ECO 351 Contemporary Economic Systems: Latin America

GEOG 270 Regional Geography of the Circum-Caribbean
 GEOG 271 Regional Geography of South America

HIST 141 Contemporary Issues in Historical Perspective: The English-speaking Caribbean
 HIST 141.57 Cuban Revolution
 HIST 337 History of Spain
 HIST 371 Colonial Hispanic America
 HIS 372 History of Latin America in the 19th and 20th Centuries
 HIST 341 Topics in History: Caribbean History
 HIST 341.57 Topics in History: Cuban Revolution

MEDIA 396 International Communications

MUSHL 261.67 Topics in Music: Caribbean and Latin America
 MUSHL 353 Introduction to Ethnomusicology

POLSC 252 Government and Politics in the Caribbean
 POLSC 253 Government and Politics in Latin America
 POLSC 271 International Politics in the Americas
 POLSC 272.51 Revolution and Reaction in Central America
 POLSC 272.52 Government and Politics in Cuba

FREN 353 Haitian and Afro-French Literature

SPAN 263 Contemporary Spanish American Literature in Translation
 SPAN 276 Readings in Modern Spanish American Literature
 SPAN 345 Spanish American Literature from Its Origin to Romanticism and Realism
 SPAN 350 Spanish American Modernism and Postmodernism
 SPAN 352 Contemporary Spanish American Literature
 SPAN 356 Latin American Civilization
 SPAN 363 Topics in Spanish-American Literature: Cultural and Intellectual History
 SPAN 491 Honors Course in Romance Languages: Contemporary Latin American Literature

SOC 361 Social Change in Developing Societies

And any other new or selected-topic courses approved by Inter-American Affairs director.

Interdisciplinary Courses

HUMANITIES AND THE ARTS

Interdisciplinary courses are taught on either the introductory or advanced level by members of 2 or more departments. Some interdisciplinary courses are given on a special experimental basis by departments to explore a particular problem or illustrate a subject that benefits from different points of view. Examples are: "Surrealism in Art and Literature," "Opera on the Stage," and "Law and Society." For further information about HUM 110, contact Department of Philosophy. For information about HUM 201, 380, 381, contact Office of Dean of Humanities and the Arts, West Building room 1410.

HUM 110 and 201 may be used to fulfill Category V of the distribution requirement.

COURSE LISTINGS

HUM 110 The Map of Knowledge 3 hrs, 3 cr. Introduction to range of knowledge available in the curriculum. Discusses subject matter and methodology of various disciplines as well as their relations within and across the curriculum to aid students in making intelligent choices in their course of study.

HUM 201 Explorations in the Arts 3 hrs, 3 cr. Introduction to temporal and spatial arts with special emphasis on theatre, film, music, and visual arts. Focus on principles they share as well as on their distinguishing features. Attendance at artistic events in NYC.

HUM 380 The Western Tradition I 3 hrs, 3 cr. Study of the Western humanistic tradition focusing on literature, art, and philosophy from classical antiquity to the Renaissance.

HUM 381 The Western Tradition II 3 hrs, 3 cr. Prereq: ENGL 120. Study of the Western humanistic tradition focusing on literature, art, and philosophy from the Renaissance to the present.

SOCIAL SCIENCES

The following courses are sponsored by the Division of Social Sciences as interdisciplinary electives intended as enrichments of the general liberal arts curriculum. They focus on broad issues of continuing importance that require multifaceted but integrated treatments from several disciplinary perspectives. At this time, they are not part of a formal program leading to a designated specialization. For further information on any of the interdisciplinary courses, contact the Social Science Division's office, West Building room 1711, phone 772-5520.

COURSE LISTINGS

SOSCI 197 Introductory Topics in the Social Sciences 3 hrs, 3 cr. Not offered at all times. Specific topic will be listed in Guide and Schedule of Classes for given semester.

SOSCI 210 Democracy and Society: Principles, Practices, and Problems 3 hrs, 3 cr. Not open to freshmen, except by perm. Examination of nature and value of democratic principles and practices, and of prospects of democracy under present historical circumstances.

SOSCI 220 Law and Society 3 hrs, 3 cr. Not open to freshmen, except by perm. General introduction to history, major systems, philosophy, and functions of law, including normative questions and citizen obligations relating to law.



SOSCI 297 Special Topics in the Social Sciences 3 hrs, 3 cr. Prereq: variable. Not offered at all times. Specific topics will be listed in Guide and Schedule of Classes for given semester.

SOSCI 397 Studies in the Social Sciences 3 hrs, 3 cr. Prereq: variable. Not offered at all times. Specific topics will be listed in Guide and Schedule of Classes for given semester.

SOSCI 401 Seminar in the Social Sciences 3 hrs, 3 cr. Prereq: variable. Not offered at all times. Specific topics will be listed in Guide and Schedule of Classes for given semester.

SOSCI 498 Inservice Variable hrs, 1 to 6 cr. Placement in appropriate off-campus settings on an individual basis.

HEALTH SCIENCES

COURSE LISTINGS

SHS 200 Controversies and Issues in Health and Health Care 3 hrs, 3 cr. Impact of national, environmental, food, population and reproduction, and health care policies on well-being of American people. How social, economic, and political factors affect health and health care. Recommended for all students considering careers in health or human services.

Jewish Social Studies

Program Office West Building room 1545, phone 772-5542

Chair Robert M. Seltzer

Coordinating Committee Cohen (History), Honig (Economics), Massell (Political Science), Moses (Urban Affairs), Rosenbloom (Social Work), Schlesinger (Sociology), Seiger (Theatre), Seltzer (History)

The interdisciplinary specialization in Jewish social studies consists of 36 to 39 credits leading to a BA degree. The courses form a combined major/minor with 24 to 27 credits dealing with Jewish

studies taken in various departments and 12 credits constituting a minor to be chosen from a department approved by the Coordinating Committee of the Jewish Social Studies program. There is a language requirement that can be fulfilled either by passing a reading test in Hebrew or Yiddish with the aid of a dictionary or by successfully completing a one-year course in either language. There is opportunity to receive academic credit for fieldwork with a Jewish community agency and for summer study programs in Israel.

REQUIRED OF ALL MAJORS

a. Jewish history 6 cr chosen from the following:

HIST 309 Jewish History in the Ancient World 3 cr

HIST 310 Jewish History in Medieval and Early Modern Periods 3 cr

HIST 320 Jewish History in the Modern World 3 cr

b. Jewish literature and thought 6 cr chosen in consultation with the chair from such courses as:

HEBR 361 Masterpieces of Ancient Hebraic Literature in Translation 3 cr

HEBR 382 Masterpieces of Medieval Hebrew Literature in Translation 3 cr

HEBR 383 Readings in Modern Hebraic Literature in Translation 3 cr

HEBR 391 Masterpieces of Yiddish Literature in Translation 3 cr

c. Area of concentration 9 cr chosen in consultation with the chair; at present these include such courses as:

HIST 142 The Holocaust: An Introduction 3 cr

HIST 342 History of the Holocaust 3 cr

HIST 357 American Jewish History 3 cr

HIST 384 Problems in History (on a Jewish studies topic) 3 cr

POLSC 264 Government and Politics of Israel 3 cr

HIST 740 Modern Jewish Social and Intellectual History 3 cr

HIST 748 American Jewish History 3 cr

d. Selected topics in Jewish studies 3 or 6 additional cr to be arranged with the chair.

Minor 12 cr in appropriate courses related to the student's area of concentration, in history, philosophy, economics, political science, sociology, Hebrew literature, etc.

Jewish Social Studies as a Minor Jewish Social Studies can be taken as an allied minor along with a major in such fields as history, political science, sociology, and religion, with the approval of the student's major advisor.

COURSE LISTINGS

JSS 310 Jewish Social Studies Fieldwork Hrs to be arranged, 3-6 cr. Prereq: qualified Jr/Sr with perm. chair. Supervised experience in a Jewish community agency, periodic consultation with JSS chair, and preparation of report or term paper based on the experience.

JSS 410.50, 410.51 Jewish Social Studies Seminar I & II 3 hrs, 3 cr each. Prereq: qualified Jr/Sr with perm. inst. or chair. Selected topics and problems in Jewish studies.

Hunter-YIVO Exchange Program The program in Jewish social studies has established a special reciprocal exchange of courses and students with the Max Weinreich Center for Advanced Jewish Studies of the YIVO Institute for Jewish Research (5th Ave and 86th St). Qualified Hunter students, with permission of the JSS chair, may take courses offered there in various aspects of East European Jewish life and culture and receive Hunter credit.

Mathematical Sciences

Department Office (old) North Building room 1230J (new) 15th floor,
phone 772-5300

Chair Brian Shay

Professors Churchill, Roitberg

Associate Professors Baider, Baranchik, Binkowski, Cherkas, Clarkson,
Hachigian, Jambois, Loustau, Matthews, Peluso, Shay

Assistant Professors Chess, Haron

Advisors (day) John Loustau (evening) Barry Cherkas

(remediation) Sandra Clarkson (statistics/graduate) Edward Binkowski

The Department of Mathematical Sciences offers majors in mathematics and statistics that prepare students for careers in business, government, research, and teaching. Students considering such majors should consult an advisor during their first or second semester to plan the proper sequence of courses and should continue to consult the advisor at least once each semester. Minors in mathematics and statistics are also offered.

Distribution Requirement The following courses may be used toward the science and mathematics category of the distribution requirement: MATH 100 (or 103), 110, 111, 150, 155, STAT 113 (or 213), 212. At most 6 credits used to satisfy the distribution requirement may be credited toward a major or minor in the department. We suggest, but do not require, that students who are thinking of continuing their study on the doctoral level elect French, German, or Russian to meet the foreign language portion of the distribution requirement.

Exemptions and Advanced Placement Certain standard examinations such as CLEP are recognized by the department for course exemption, credit by examination, or advanced placement without credit. For details and information about availability of special departmentally administered examinations, the student should consult the department.

Mathematics Proficiency and Calculus Readiness Upon entering Hunter College, all undergraduates and non-matriculated students must take two mathematics proficiency examinations, one mandated by CUNY and the other by Hunter College. Depending on their scores on these examinations, students may be required to pass the appropriate remedial/developmental course(s), MATH 001 and/or PHYS 001, before registering for any other courses in the mathematics department. Graduate and second-degree students from a four-year US university may take mathematics courses without testing. Before registering for calculus, students must take the calculus readiness test covering the algebra, geometry, and trigonometry required in MATH 150 and MATH 155, to determine whether they should first register for MATH 120 or MATH 121. For further information on proficiency or readiness tests, contact the department.

Accelerated BA/MA Program in Mathematics The BA/MA program in mathematics offers promising students the opportunity to complete both the bachelor's and master's degree requirements with a minimum of 125 credits. This program enables the department to work closely with a small number of talented, highly motivated students. These students are offered the opportunity to develop a deeper knowledge of mathematics so that they are prepared to enter even the most demanding doctoral programs. Interested students should contact the department for further information regarding eligibility and curriculum requirements.

Honors A student majoring in mathematics or statistics may become a candidate for departmental honors by successfully completing MATH 490, by presenting a major GPA of at least 3.6, and by achieving a satisfactory rating on a comprehensive examination.

Mathematics Major

The mathematics major introduces students to the fundamental areas of mathematics and provides some degree of specialization in one or more areas. It trains students in the analytic thinking characteristic of pure and applied mathematics and provides some familiarity with rigorous methods of mathematical proof. All options include a common core curriculum of major courses; advanced electives in the department are chosen in consultation with an advisor according to the student's needs and interests. With appropriate selection of advanced electives, the student will be prepared for employment in a variety of fields or for graduate study in pure or applied mathematics, statistics, or computer science.

To enter the major, the student should have completed one year of calculus (MATH 150, 155, or the equivalent). The mathematics major consists of at least 37 credits of coursework, including 8 credits of calculus (MATH 150, 155), 23 credits of core curriculum courses (taken by all mathematics majors except those with a minor in elementary education), and at least 6 credits of advanced courses, chosen by students according to their career plans. Students are expected to select an option from those described below.

Core Curriculum (23 cr) MATH 211, 250, 254 or 255, 311, 351, C SCI 125 or 130, STAT 213 or 311.

Options Some flexibility is possible within each option, but any deviation from the requirement will require the approval of the student's advisor. Such approval is not automatic and will depend on the career goals of the student.

Option 1 For students intending to pursue technical careers in business, industry, or government:

Required courses (in addition to the core): MATH 352 or 353; STAT 311 or C SCI 250. Recommended electives: MATH 254, 255, 354, STAT 312, 313, C SCI 350, 355.

Option 2 For students intending to continue graduate study beyond the master's level:

Required courses (in addition to the core): MATH 352, and any one of MATH 312, 340, or 353.

To prepare adequately for graduate study, the student should choose at least 3 additional courses from among MATH 312, 340, 353, 354, 370, 454, 490, STAT 311, 312, 313, C SCI 250, 350, 355, and any 700-level graduate course in the department or at the Graduate Center.

Option 3 For students intending to teach in secondary schools:

Required courses (in addition to the core): MATH 331, STAT 311.

Recommended electives: MATH 291, 312, 313, 340, 352, 370, 371, STAT 212, 213, 214, C SCI 250.

Option 4 For students intending to teach in elementary schools:

Any of the above options is appropriate. An alternative requiring permission of the department advisor is an interdisciplinary major including some science courses as well as approved courses within the department. For such a major, core courses would include at least MATH 211, 250, and 311. Elective courses would ordinarily include MATH 291 and 313.

Minor Except for mathematics majors planning to teach in elementary schools, majors in mathematics ordinarily take as a minor 12 approved credits in one of the following subjects: biological sciences, chemistry, computer science, economics, geology, philosophy, physics, or statistics. However, other minors may also be approved. For students preparing to teach in elementary

schools the minor is education as prescribed by the Division of Programs in Education.

Statistics Major

The study of statistics provides the student with analytical tools that may find application in various fields within the sciences and social sciences. Actuarial science is one area open to students in statistics who also have backgrounds in such subjects as computer science, mathematics, and economics. The MA in Applied Mathematics offered by the Department of Mathematical Sciences provides enrichment for undergraduate statistics majors. To enter the major the student must have completed MATH 150 and 155. The statistics major consists of 32 credits as follows: MATH 211, 250, 254 or 354, STAT 212, 213, 214, 311, 312, 313, and any 3-credit C SCI course accepted for credit in the computer science major.

Modifications are permitted with the consent of a statistics advisor. For example, a student may elect to replace STAT 212 with a more advanced course. With permission of the major advisor, a student may take graduate courses in the MA in Applied Mathematics program.

Minor Statistics majors take as a minor 12 approved credits in one of the following subjects: biological sciences, chemistry, computer science, economics, geology, mathematics, philosophy, physics, political science, psychology, or sociology. Students may include in their minors up to two 3-, 4-, or 5-credit courses used to meet the distribution requirement in any one subject, provided the rest of the minor is in the same subject. For information concerning approved minor sequences, students should consult the departmental advisor.

Actuarial Sequence Students interested in actuarial work should take MATH 150, 155, 250, STAT 311, and 313. Students are also encouraged to take courses in accounting, economics, and computer science. For information concerning examinations and prizes given to undergraduates by the Society of Actuaries, consult the departmental advisor.

Preparation for Teaching There is a large and growing demand for mathematics teachers at the high school level. Students preparing to teach at this level may pursue Option 3, above, and choose an appropriate minor in consultation with the departmental advisor. For these students, the required education courses are taken for elective credit. Students preparing to teach in elementary schools may pursue Option 3 or Option 4, above; the specified minor is education. The Department of Mathematical Sciences offers its students part-time employment as tutors in elementary courses, thereby providing valuable experience for prospective teachers.

Students who wish to qualify for teacher certification at the elementary or secondary level in NYC or NY State should consult the material under Education in this catalogue and discuss their plans with advisors in education as well as in mathematics.

COURSE LISTINGS

Mathematics

MATH 001 Arithmetic and Topics in Algebra 3 hrs, 1 cr. Prereq: placement by CUNY Proficiency Examination. Grading is on the CR/NCR basis. Whole numbers, fractions, decimals, percents, signed numbers, and introduction to algebra.

MATH 020 Essentials of Elementary Algebra 3 hrs, 1 cr. (3 cr from MATH 001, PHYSC 001, and MATH 020 will be counted toward graduation.) Prereq: CUNY and Hunter Proficiency in Mathematics; however, MATH 020 and PHYSC 001 may be taken concurrently with permission of PHYSC 001 coordinator. Grading is on the CR/NCR basis.

MATH 100 Basic Structures of Mathematics 3 hrs, 3 cr. Prereq: CUNY and Hunter Proficiency in Mathematics. Not open to students who have com-

pleted MATH 155. Not recommended for students majoring in mathematics, statistics, computer science, or natural sciences. Symbolic logic, sets, number systems, relations and operations and topics in probability and statistics.

MATH 103 Mathematics for Elementary Education 3 hrs, 3 cr. Prereq: perm. dept; CUNY and Hunter Proficiency in Mathematics. Required of students planning to teach in elementary schools.

MATH 110 Topics in the Mathematical Sciences 3 hrs, 3 cr. Prereq: MATH 100 or 103 or perm. inst. CUNY and Hunter Proficiency in Mathematics. Not open to students who have completed MATH 211. Intended for liberal arts or social science students. Applications of topics selected from algebra, analysis, computer science, geometry, probability, and statistics.

MATH 111 Matrices, Vectors, and Linear Programming 3 hrs, 3 cr. Prereq: CUNY and Hunter Proficiency in Mathematics. Not open to students who have completed MATH 211. Recommended for accounting students; not recommended for students majoring in mathematics or statistics. Offered D/Sp, E/Fa. Introduction to matrices and vectors, systems of linear equations, and linear programming with applications.

MATH 120 Elementary Functions 3 hrs, 3 cr. Prereq: CUNY and Hunter Proficiency in Mathematics. Not open to students who have completed MATH 150 or its equivalent. Exponents, factoring, equations, linear inequalities, lines and circles, logarithms, elements of trigonometry.

MATH 121 Further Topics in Elementary Functions 2 hrs, 2 cr. Prereq: MATH 120 or placement by Calculus Readiness Test. Not open to students who have completed MATH 150. Parabolas, ellipses, and hyperbolas. Systems of equations, nonlinear inequalities, trigonometric, and inverse trigonometric functions.

MATH 150 Calculus with Analytic Geometry I 4 hrs, 4 cr. Prereq: MATH 121 or exemption by the Calculus Readiness Test. Limits, continuity, differentiation and integration of elementary functions; applications to transcendental functions.

MATH 155 Calculus with Analytic Geometry II 4 hrs, 4 cr. Prereq: MATH 150. Differentiation and integration of trigonometric functions, integration techniques, polar coordinates, infinite series, improper integrals.

MATH 211 Introduction to Linear Algebra 4 hrs, 4 cr. Prereq: MATH 155 and either C SCI 204 or concurrent registration in MATH 250. Vector spaces, linear independence, bases, rank, linear transformations, systems of linear equations, eigenvalues, and eigenvectors.

MATH 250 Calculus with Analytic Geometry III 4 hrs, 4 cr. Prereq: MATH 155. Offered D, E/Fa; D/E Sp. Vector geometry, dot and cross products, partial derivatives, matrices, determinants, Jacobians, multiple integration.

MATH 254 Mathematics for Science and Engineering 3 hrs, 3 cr. Prereq: MATH 250. Offered D/Sp '87, E/Sp '88. Applied ordinary and partial differential equations, Fourier series and integrals. Applications to chemistry, physics, and engineering.

MATH 255 Vector Analysis 3 hrs, 3 cr. Prereq: MATH 250. Offered E/Sp '87, D/Sp '88. Not open to students who have completed MATH 352. Line and surface integrals, Green's Theorem, divergence theorem, Stokes' Theorem, generalized coordinates.

MATH 291 History of Mathematics 3 hrs, 3 cr. Prereq: MATH 155. Offered E/Sp '87. The historical development of arithmetic, algebra, geometry, trigonometry, analytic geometry, and calculus.

MATH 295 Intermediate Topics in Mathematical Sciences 3 hrs, 3 cr. Prereq: MATH 150; additional prereqs vary with specific topics and will be announced at time of course offering. May be repeated as topics vary, but not more than twice. Offered E/Fa '87. Topics to be studied in any given term will be announced prior to registration.

MATH 311 Abstract Algebra I 3 hrs, 3 cr. Prereq: MATH 211. Offered D/Sp '87, E/Sp '88. Introduction to theory of groups and rings.

MATH 312 Abstract Algebra II 3 hrs, 3 cr. Prereq: MATH 311. Offered E/Fa '86; D/Fa '88. Elements of Galois theory, construction with ruler and compass, advanced topics in ring theory and linear algebra.

MATH 313 Theory of Numbers 3 hrs, 3 cr. Prereq: MATH 211. Offered E/Fa '86; D/Fa '88. Congruences, quadratic residues, elementary Diophantine analysis, continued fractions, sums of squares.

MATH 331 Geometries 3 hrs, 3 cr. Prereq: MATH 211. Offered D/Sp '87. Topics in affine and projective geometry and/or topics in differential geometry.

*Not credited toward distribution requirement

MATH 340 Topology 3 hrs, 3 cr. Prereq: MATH 351. Offered E/Sp '87. Metric and topological spaces, continuity, homeomorphisms, compactness, connectedness, homotopy, fundamental group.

MATH 351 Advanced Calculus I 3 hrs, 3 cr. Prereq: MATH 211 and either MATH 254 or 255. Offered E/Fa. Rigorous treatment of foundations of calculus, including topology of real line and higher-dimensional spaces. Basic results on continuous functions

MATH 352 Advanced Calculus II 3 hrs, 3 cr. Prereq: MATH 351. Offered E/Sp. Integration, sequences and series, uniform convergence, differentiation of functions of several variables, inverse and implicit function theorems, formula for change of variables.

MATH 353 Introduction to Complex Variables 3 hrs, 3 cr. Prereq: MATH 255. Offered D/Fa '87. Complex numbers, analytic functions, elementary functions, contour integrals, Cauchy integral theory, series.

MATH 354 Ordinary Differential Equations 3 hrs, 3 cr. Prereq: MATH 211 and 250. Offered D/Fa '86; E/Fa '87. Existence and uniqueness theorems for first-order systems. Euler and Picard methods. Fundamental solution. Poincaré-Bendixson theory.

MATH 370 Mathematical Logic 3 hrs, 3 cr. Prereq: MATH 211. Offered E/Fa '86; D/Fa '88. Propositional and first-order predicate calculi, models, validity, probability, consistency, completeness.

MATH 371 Fundamental Concepts of Modern Mathematics 3 hrs, 3 cr. Prereq: Any 2 courses chosen from MATH 211, 311, 351, 352. Offered E/Sp '88. Axiomatic approach to theory of sets; axiom of choice, Zorn's Lemma, transfinite arithmetic.

MATH 391, 392, 393 Independent Study in Mathematics 1 hr, 1 cr; 2 hrs, 2 cr; 3 hrs, 3 cr. Prereq: Jr/Sr only with perm. dept. Independent study and reading under direction of faculty member.

MATH 454 Calculus on Manifolds 3 hrs, 3 cr. Prereq: MATH 352. Offered E/Fa '88. Functions on Euclidean space, implicit function theorem, Fubini's Theorem, integration on chains and manifolds.

MATH 490 Honors Seminar 3 hrs, 3 cr. Prereq: MATH 311, 351, and perm. dept.

Statistics

STAT 113 Elementary Probability and Statistics 3 hrs, 3 cr. Prereq: CUNY and Hunter Proficiency in Mathematics. Not open to students who have completed STAT 117, 213, ECO 220, PSYCH 206, or SOC 241. Students who pass the calculus readiness test or who take calculus should register for STAT 213 instead of 113. Not credited for majors in statistics or mathematics unless minor is elementary education. Discrete probability; descriptive, inferential statistics. Estimation and hypothesis testing for normal and binomial means.

STAT 212 Discrete Probability 3 hrs, 3 cr. Prereq: Knowledge of algebra and geometry as demonstrated by passing the calculus readiness test. Students not passing this test should register for MATH 120. Offered D/Fa. Combinatorics, discrete probability, random walks, and game theory. Emphasis on model building.

STAT 213 Introduction to Applied Statistics 3 hrs, 3 cr. Prereq: Knowledge of algebra and geometry as demonstrated by passing calculus readiness test. Students not passing this test must register for MATH 120. Not open to students who have completed STAT 117, ECO 220, PSYCH 206, or SOC 241. Students will not receive credit for both STAT 113 and 213; students passing both courses will receive credit only for STAT 213. Offered D/E/Fa; D/E/Sp. Statistical methods including sampling, estimation, t-tests and related nonparametric tests, chi-square tests.

STAT 214 Data Analysis 3 hrs, 3 cr. Prereq: STAT 113 or 213 with grade of B or better or perm. inst. Offered D/Sp. Analysis of variance, simple and multiple regression, nonparametric statistics, statistical model building.

STAT 311 Probability Theory 3 hrs, 3 cr. Prereq: MATH 250; coreq: MATH 255 or 351. Offered D/Fa. Combinatorics, distribution theory for discrete and continuous random variables, central limit theorems.

STAT 312 Stochastic Processes 3 hrs, 3 cr. Prereq: STAT 311. Offered D/Sp '88. Discrete and continuous stochastic processes including Markov chains, birth processes, queues, and Brownian motion.

STAT 313 Introduction to Mathematical Statistics 3 hrs, 3 cr. Prereq: STAT 311. Offered D/Sp '87. Estimation, hypothesis testing, confidence limits for normal, binomial, Poisson, and exponential random variables.

Music

Department Office North Building room 1515, phone 772-5020

Chair L. Michael Griffel

Professors Anderson, Basquin, Fink, Griffel, Harrison, Hunter, Montesi, Oberlin, Westermann

Associate Professors DeFord, Hampton, Martin, Stauffer

Assistant Professor Harris, Thompson

Advisors (day/evening) Jewel Thompson, North Building room 1511B (graduate) George Stauffer, North Building room 1505

The Department of Music offers a wide variety of music courses and music degree programs tailored to the needs of students with different personal and professional objectives. Course offerings include a large selection of topics for both majors and nonmajors covering all areas of music performance, theory, history, and literature. Most degrees can be completed in the evening as well as the day. In addition, the department sponsors many extracurricular events, including concerts, lectures, and master classes.

Private lessons in standard orchestral instruments and voice are provided to all performance majors and many other music majors by a distinguished roster of performance teachers. Financial aid is granted to performance majors who need to study with private teachers not on staff.

Graduates of the department are active in the classical and the popular performance fields as singers, instrumentalists, and conductors. Concentration in music theory and composition can lead to career opportunities in orchestrating, choral arranging, commercial arranging, and film scoring, as well as composing music in the contemporary and popular idioms. Concentration in music history paves the way toward career opportunities in college teaching and musical scholarship, including such work as music journalism and criticism; lecturing, writing program and music-liner notes; editing, translating, and cataloging musical materials; and serving as a consultant to concert societies, opera houses, and publishers. Graduates of the 59-credit BS program are qualified to teach in the public elementary and high schools of New York State.

Distribution Requirement For music majors and minors, no more than 3 credits in the department may serve to fulfill category V of the distribution requirement. We suggest that students who are planning to continue the study of music on the graduate and doctoral level elect German, French, or Italian to meet the foreign language requirement in category III.

Major Program The Department of Music offers 4 major programs. Courses MUSTH 120, 180 and 190, and MUSHL 105 are prerequisites for all music majors, but are not credited toward any of the major programs. Entering students will be exempted from these prerequisites only by examination. Candidates for all major programs (except the 24-credit major) must demonstrate elementary facility at the piano at the end of their last semester of keyboard studies. Candidates for the 42-credit and 59-credit majors should acquire reasonable mastery of an instrument or voice before graduation.

24-credit Major (BA) This degree is designed for students who wish to study music in the context of a general, liberal arts education but do not plan to pursue careers in music. It is often taken by students fulfilling the requirement for certification in early childhood and elementary education. It may also be convenient for students who enter Hunter with a large number of transfer credits in music and wish to complete their degree as quickly as possible. Requirements are:

1. 9 cr in music history and literature: any 3 courses chosen from MUSHL 353, 354, 355, 357, 358, and 359;

2. 9 cr in music theory: MUSTH 121, 222, and 223;
3. 6 cr of music electives in any music course above the 100 level.

A minor of 12 credits in any field other than music is required.

42-credit Major (BA) This degree is designed for students planning to pursue professional careers in music. It provides basic training in all areas of music and serves as a foundation for graduate study of any specialized aspect of the field. Requirements are:

1. 9 cr in music history and literature: any 3 courses chosen from: MUSHL 353, 354, 355, 357, 358, and 359;
2. 21 cr in music theory: MUSTH 121, 181, 191, 222, 223, 282, 283, 292, 293, and 341;
3. 6 cr in music performance, including 4 cr in ensembles (MUSPF 221, 231, 291, 299, 351, 353, or 355), of which 2 must be in large performing groups (MUSPF 221, 231, or 291);
4. 6 cr of music electives above the 100 level.

No minor is required.

59-credit Major (BS) This degree is designed for students planning to pursue careers as music teachers at the secondary level. It provides automatic provisional certification for teaching early childhood and for teaching in elementary through secondary schools in New York State; students wishing to obtain New York City licensing must pass examinations in addition to fulfilling the degree requirements. Students are admitted officially to this program only after they have completed at least 24 credits of College work, including at least 6 credits in music courses. At that time, they must pass an audition on their preferred instrument or voice. To enter and remain in this program, they must also maintain a GPA of 3.0 or better in music courses. Requirements are:

1. 9 cr in music history and literature: any 3 courses chosen from: MUSHL 353, 354, 355, 357, 358, and 359;
2. 27 cr in music theory: MUSTH 121, 181, 191, 222, 223, 282, 283, 292, 293, 335, 337, and 341;
3. 15 cr in instruments, voice, and conducting: MUSPF 219, 241, 242, 243, 244, 245, 246, 349, 350, and 411;
4. 8 cr in music performance, of which 2 must be earned in MUSPF 221 and 6 in MUSPF 401.

An annual jury examination is required. In addition, students are expected to participate in one of the large performing groups each semester that they are in the program (normally 6 semesters). Students who play orchestral instruments are expected to choose MUSPF 231 or 291. The additional work may be taken as an auditor or elected for general College credit.

The 23-cr requirement in education includes: EDFDN 261, 272, and 362; EDUC 353, 355, 380, 400DA, and 480. Students in this program take a special reduced distribution requirement.

I Sciences and Mathematics	6–8 cr
II English Composition	3 cr
III Humanities: Foreign Language	0–12 cr
IV Humanities: Literature	6 cr
V Humanities	6 cr
VI Social Sciences	6 cr
VII Physical Education	1 cr
Total	28–42 cr

60-credit Major (BMus) This degree is designed for students planning to pursue careers as professional performers of music or as teachers of music performance. It provides intensive instruction in the student's instrument or voice, as well as solid training in music history and theory, and a broad, liberal arts education. Admission to this program is conditional on passing an audition

(preferably before the student enters College) demonstrating a high level of skill in performance. Requirements are:

1. 9 cr in music history and literature: any 3 courses chosen from: MUSHL 353, 354, 355, 357, 358, and 359;
2. 21 cr in music theory: MUSTH 121, 181, 191, 222, 223, 282, 283, 292, 293, and 341;
3. 24 cr in MUSPF 431;
4. 6 cr in one of the following areas of concentration:
 - a. Instrumental performance: 6 cr in ensemble (MUSPF 221, 231, 291, 299, 351, 353, or 355), including at least 2 cr in MUSPF 221, 231, or 291, and 2 cr in MUSPF 355.
 - b. Vocal performance: 4 cr in ensembles (MUSPF 221, 231, 291, 299, 351, 353, or 355), including at least 2 cr in MUSPF 353; and 2 cr in MUSPF 151 (usually taken at the Mannes College of Music).

An annual jury examination is required. A senior recital, for which no credit is given, is also required.

Accelerated BA/MA Degree The department offers unusually gifted students the opportunity to obtain a master's degree in 4 years with a minimum of 125 credits. Requirements are the same as those for the 42-credit BA, plus 30 credits at the graduate level. Incoming freshmen should consult the undergraduate advisor to set up a curriculum appropriate to their individual backgrounds. In addition, the graduate advisor must be consulted about the MA requirements.

Graduate Study Seniors of high academic standing who are recommended by the department may be permitted to take graduate courses for undergraduate credit. Seniors within 9 credits of graduation may apply to the Admissions Office for permission to take graduate courses creditable toward the MA degree. The department offers an MA in music with opportunity for concentration in music history, ethnomusicology, composition, performance, or teacher education.

The Hunter-Mannes Consortium Hunter College music students are permitted to take elective courses at the Mannes College of Music under a consortium arrangement created to enrich the variety of music courses available to the students of both schools. Students wishing to participate in this program must contact the undergraduate advisor for details and approval.

COURSE LISTINGS

Introductory Courses

MUSHL 101 Introduction to Music* 3 hrs, 3 cr. For nonmajors. Selected number of complete works studied with aim to develop perceptive listening.

MUSHL 107 The Experience of Music* 3 hrs, 3 cr. For nonmajors. Development of personal perception of music and sound as related to environment.

MUSTH 101 Basic Musicianship I* 3 hrs, 3 cr. For nonmajors. Introduction to music theory, sight singing, and ear training.

MUSTH 102 Basic Musicianship II 3 hrs, 3 cr. For nonmajors. Offered Sp. Continuation of MUSTH 101.

History and Literature of Music

MUSHL 105 Introduction to Musicology* 3 hrs, 3 cr. Majors only. Prereq or coreq: MUSTH 120 and ENGL 120. Basic concepts, problems, and research techniques in musicology.

MUSHL 203 Orchestral Music 3 hrs, 3 cr. Prereq: MUSHL 101 or perm. inst. Representative orchestral music from 18th century to present.

MUSHL 210 Music for the Piano 3 hrs, 3 cr. Prereq: MUSHL 101 or perm. inst. Piano literature from 18th century to present.

MUSHL 212 Introduction to Opera* 3 hrs, 3 cr. Prereq: MUSHL 101 or perm. inst. Study of operatic styles of composers such as Mozart, Verdi, and Wagner.



Randy Fader-Smith

MUSHL 217 Introduction to History of Jazz 3 hrs, 3 cr. Prereq: MUSHL 101 or perm. inst. Survey of jazz from its origins to present.

MUSHL 218 Masterworks of Choral Literature 3 hrs, 3 cr. Prereq: MUSHL 101 or perm. inst. Significant sacred and secular choral works from Renaissance to present.

MUSHL 227 Master Composers 3 hrs, 3 cr. Prereq: MUSHL 101 or perm. inst. Study of works of single composer. Topics to be announced. May be taken 6 times.

MUSHL 231 Folk and Traditional Music 3 hrs, 3 cr. Prereq: MUSHL 101 or perm. inst. Study of ethnic music of selected cultures.

MUSHL 261 Special Topics in History and Literature of Music 3 hrs, 3 cr. Prereq: MUSHL 101 or perm. inst. Study of works illustrating one specific genre, style, or period. Topics to be announced. May be taken 6 times.

MUSHL 352 Musical Cultures of World: Introduction to Ethnomusicology I 3 hrs, 3 cr. Prereq: MUSTH 120 or perm. inst. Offered D/Sp '87. Survey of musical traditions of Africa, Oceania, South and East Asia.

MUSHL 353 Musical Cultures of World: Introduction to Ethnomusicology II 3 hrs, 3 cr. Prereq: MUSTH 120 or perm. inst. Offered D/Sp '88. Survey of musical traditions of Africa, Europe, and Americas.

MUSHL 354 Music of Middle Ages and Renaissance 3 hrs, 3 cr. Prereq: MUSHL 105 and MUSTH 121 or perm. inst. Offered E/Sp '87, D/Fa '87. Study of music from beginning of Christian era to 1600.

MUSHL 355 Music of the Baroque Period 3 hrs, 3 cr. Prereq: MUSHL 105 and MUSTH 222 or perm. inst. Offered D/Fa '86, E/Fa '87. Study of music from 1600 to 1750.

MUSHL 357 Music of Classical Period 3 hrs, 3 cr. Prereq: MUSTH 105 and MUSTH 222 or perm. inst. Offered D/Fa '86, E/Sp '88. Study of music from 1720 to 1827.

MUSHL 358 Music of Romantic and Post-Romantic Periods 3 hrs, 3 cr. Prereq: MUSHL 105 and MUSTH 223 or perm. inst. Offered D/Sp '87, D/Sp '88. Study of music from 1820 to 1914.

MUSHL 359 Music of 20th Century 3 hrs, 3 cr. Prereq: MUSHL 105 and MUSTH 223 or perm. inst. Offered E/Fa '86, D/Fa '87.

MUSHL 360 Women in Music 3 hrs, 3 cr. Contributions of women in music composition and performance, as well as in related musical fields.

MUSHL 361 Special Topics in History and Literature of Music 3 hrs, 3 cr. Prereq: variable. Specialized study of selected genre, locality, period, style, composer, or problem. Topics to be announced. May be taken 6 times.

MUSHL 498 Inservice 1 to 6 cr per semester. Prereq: perm. chair. Internship in various arts institutions in New York City.

Theory of Music

MUSTH 120 Fundamentals of Music Theory 3 hrs, 3 cr. Prereq: ability to read music; coreq: MUSTH 180 and 190. Offered Fa. Notation of pitch, rhythm, intervals, scales, modes, triads, and seventh chords.

MUSTH 121 Counterpoint 3 hrs, 3 cr. Prereq: MUSTH 120; coreq: MUSTH 181 and 191. Offered Sp. Two-voice counterpoint in 5 species. Introduction to imitation, canon, and invertible counterpoint.

MUSTH 180 Solfege I 3 hrs, 2 cr. Coreq: MUSTH 120 and 190. Offered Fa. Ear training and sight singing.

MUSTH 181 Solfege II 3 hrs, 2 cr. Prereq: MUSTH 180; coreq: MUSTH 121 and 191. Offered Sp.

MUSTH 190 Elementary Keyboard Studies I 2 hrs, 1 cr. Coreq: MUSTH 120 and 180. Offered Fa. Fundamentals of piano playing: scales, chords, technical exercises, simple pieces.

MUSTH 191 Elementary Keyboard Studies II 2 hrs, 1 cr. Prereq: MUSTH 190; coreq: MUSTH 121 and 181. Offered Sp.

MUSTH 222 Harmony I 3 hrs, 3 cr. Prereq: MUSTH 121; coreq: MUSTH 282 and 292. Offered Fa. Four-part harmony: triads and their inversions; nonharmonic tones, modulation, secondary progressions. Harmonic analysis.

MUSTH 223 Harmony II 3 hrs, 3 cr. Prereq: MUSTH 222; coreq: MUSTH 283 and 293. Offered Sp. Dissonant harmony: dominant 7ths, 9ths, and 13ths, secondary 7ths, chromatic chords.

MUSTH 282 Solfege III 3 hrs, 2 cr. Prereq: MUSTH 181; coreq: MUSTH 222 and 292. Offered Fa.

*Offered every semester.

MUSTH 283 Solfege IV 3 hrs, 3 cr. Prereq: MUSTH 282; coreq: MUSTH 223 and 293. Offered Sp.

MUSTH 292 Intermediate Keyboard Studies I 2 hrs, 1 cr. Prereq: MUSTH 191; coreq: MUSTH 222 and 282. Offered Fa. Introduction to figured bass, melody harmonization, score-reading, and transposition.

MUSTH 293 Intermediate Keyboard Studies II 2 hrs, 1 cr. Prereq: MUSTH 292; coreq: MUSTH 223 and 283. Offered Sp.

MUSTH 324 Advanced Harmonic and Contrapuntal Techniques I 3 hrs, 3 cr. Prereq: MUSTH 223. Offered D/Fa '87. Harmony and counterpoint in historical and stylistic context.

MUSTH 325 Advanced Harmonic and Contrapuntal Techniques II 3 hrs, 3 cr. Prereq: MUSTH 324. Offered D/Sp '88.

MUSTH 329 Fugue 3 hrs, 3 cr. Prereq: MUSTH 325 or perm. inst. Offered D/Fa '86. Analysis and techniques of fugal composition.

MUSTH 331 Contemporary Techniques I 3 hrs, 3 cr. Prereq: MUSTH 223 or perm. inst. Offered D/Fa '87. Twentieth-century compositional techniques, forms, and media.

MUSTH 332 Contemporary Techniques II 3 hrs, 3 cr. Prereq: MUSTH 331. Offered D/Sp '88.

MUSTH 333 Composition* 3 hrs, 3 cr. Prereq: perm. inst. May be taken 4 times.

MUSTH 335 Orchestration 3 hrs, 3 cr. Prereq: MUSTH 223. Offered D/Fa '87.

MUSTH 337 Choral Arranging 3 hrs, 3 cr. Prereq: MUSTH 222. Offered D/Fa '86.

MUSTH 339 Commercial Arranging 3 hrs, 3 cr. Prereq: MUSTH 223 or perm. inst. Offered E/Fa '86, D/Fa '87. How to arrange and orchestrate contemporary popular material for instrumental and vocal combinations.

MUSTH 341 Studies in Analysis, Style, and Performance I 3 hrs, 3 cr. Prereq: MUSTH 223. Offered D/Fa, E/Sp '88.

MUSTH 342 Studies in Analysis, Style, and Performance II 3 hrs, 3 cr. Prereq: MUSTH 341. Offered D/Sp '87.

MUSTH 384 Solfege V 3 hrs, 2 cr. Prereq: MUSTH 283. Offered D/Fa '87.

MUSTH 385 Solfege VI 3 hrs, 2 cr. Prereq: MUSTH 384. Offered D/Sp '88.

MUSTH 394 Keyboard Accompaniment and Improvisation 3 hrs, 3 cr. Prereq: MUSTH 293. Offered D/Fa '86.

MUSTH 461 Seminar in Music Theory 3 hrs, 3 cr. Prereq: variable. Topics to be announced. May be taken twice.

MUSTH 491 Honors Project 1 sem, 3 cr. Prereq: upper Jr/Sr, minimum music GPA of 3.5 and perm. chair. Individual project of large scope in music history, theory, composition, or performance.

MUSTH 492 Honors Project 1 sem, 3 cr. Prereq: MUSTH 491.

Performance of Music

MUSPF 111 Elementary Voice I* 2 hrs, 1 cr. For nonmajors. Fundamentals of breath control, tone production, and articulation. Vocalises and simple songs.

MUSPF 112 Elementary Voice II 2 hrs, 1 cr. Prereq: MUSPF 111.

MUSPF 121 Elementary Guitar I* 2 hrs, 1 cr. For nonmajors. Class lessons in guitar: basic techniques, tuning, reading chord charts, playing and transposing songs.

MUSPF 122 Elementary Guitar II 2 hrs, 1 cr. Prereq: MUSPF 121.

MUSPF 131 Elementary Piano* 2 hrs, 1 cr. For nonmajors. Class lessons in piano: basic techniques, playing simple pieces.

MUSPF 132 Elementary Piano II 2 hrs, 1 cr. Prereq: MUSPF 131. Offered D/Sp.

MUSPF 219 Voice I 3 hrs, 2 cr. For majors only. Prereq: ability to read music. Offered D/Fa. Fundamentals of breath control, tone production, articulation, and posture. Vocalises, songs, and arias.

MUSPF 220 Voice II 3 hrs, 2 cr. Prereq: MUSPF 219. Offered D/Sp.

MUSPF 221 College Choir* 2 hrs, 1 cr. Open to all students. Study and public performance of major choral works. May be taken 8 times.

MUSPF 231 Hunter Symphony* 3 hrs, 1 cr. Prereq: audition and perm. inst. May be taken 8 times.

MUSPF 241 Strings I 2 hrs, 1 cr. Majors only. Prereq: MUSTH 181. Offered D/Fa '86.

MUSPF 242 Strings II 2 hrs, 1 cr. Majors only. Prereq: MUSPF 241. Offered D/Sp '87.

MUSPF 243 Woodwinds I 2 hrs, 1 cr. Majors only. Prereq: MUSTH 181. Offered D/Fa '87.

MUSPF 244 Woodwinds II 2 hrs, 1 cr. Majors only. Prereq: MUSPF 243. Offered D/Sp '88.

MUSPF 245 Brass I 2 hrs, 1 cr. Majors only. Prereq: MUSTH 181. Offered D/Fa '86.

MUSPF 246 Brass II 2 hrs, 1 cr. Majors only. Prereq: MUSTH 245. Offered D/Sp '87.

MUSPF 299 Dance Band* 3 hrs, 1 cr. Prereq: audition and perm. inst. Study and performance of popular forms of music for beginning singers and instrumentalists. May be taken 6 times.

MUSPF 349 Choral Conducting 3 hrs, 2 cr. Prereq: MUSTH 181; coreq: audit MUSPF 221. Offered D/Fa '87.

MUSPF 350 Orchestral Conducting 3 hrs, 2 cr. Prereq: MUSTH 181; coreq: audit MUSPF 231. Offered D/Sp '88.

MUSPF 351 Jazz Workshop* 2 hrs, 1 cr. Prereq: audition and perm. inst. Jazz performance and improvisation for advanced singers and instrumentalists. May be taken 6 times.

MUSPF 353 Collegium Musicum* 2 hrs, 1 cr. Prereq: audition and perm. inst. Study and public performance of solo and ensemble works from the medieval, Renaissance, and baroque periods. May be taken 6 times.

MUSPF 355 Chamber Music Workshop* 2 hrs, 1 cr. Prereq: audition and perm. inst. May be taken 6 times.

MUSPF 361-363 Special Studies in Performance of Music Maximum 8 cr. Prereq: perm. dept. Number of works are studied, rehearsed, and performed. Topics to be announced.

MUSPF 361 1 cr. May be taken 4 times for credit.

MUSPF 362 2 cr. May be taken 4 times for credit.

MUSPF 363 3 cr. May be taken 2 times for credit.

MUSPF 369 Performance Class in Vocal Literature for Solo Voice 3 hrs, 3 cr. Prereq: private voice and/or piano instruction or MUSPF 220 and perm. inst., also some facility in at least one foreign language with a solo vocal repertoire. Course in seminar/workshop format for advanced music students in which singers and accompanists work together rehearsing, studying, preparing, and performing solo vocal repertoire.

MUSPF 401 Minor Instruction in Instrument or Voice 1 hr, 1 cr. Prereq: perm. dept. Outside private instruction in instrument or voice for performance minors. May be taken 8 times.

MUSPF 411 Instrumental Music Methods 3 hrs, 3 cr. 59-cr BS majors only. Offered D/Fa '86. Preparation for organizing, developing, and directing ensembles and instrumental classes in public schools.

MUSPF 431 Major Instruction in Instrument or Voice 1 hr, 3 cr. 60-cr BMus majors only. Prereq: perm. chair. Intensive outside private instruction in instrumental or vocal techniques and repertory for performance majors. May be taken 8 times.

Individual Study

MUSIN 201, 301, 401 Individual Study Project 1 to 3 cr per sem. Prereq: perm. Dept. Policy Committee by 12th week of preceding semester. Independent study on project of student's choice.

Should student demand be sufficient, any of the following courses, otherwise not planned for 1986-88, may be offered.

MUSHL 204 Chamber Music

MUSHL 219 The Art Song

MUSPF 291 Hunter Wind Ensemble

Courses not to be offered during 1986-88:

MUSHL 308 Introduction to Electronic Music

MUSTH 347 Electronic Music in Mixed Media I

MUSTH 348 Electronic Music in Mixed Media II

MUSPF 151 Foreign Language Diction for Singers

* Offered every semester.

Nursing

425 East 25 St, New York City, NY 10010, phone 481-4312

Dean Evelyn Gioielli

Associate Dean Janet Natapoff

Professors Bandman, Boykin, Gioielli, Magnus, Natapoff, Parse, Ramshorn, White

Associate Professors Cortes, Davis, Essoka, Hope, Kirsch, Kneeshaw, Munhall, Murphy, Russo, Sculco, Wondolowski

Assistant Professors Jacobsen, Lunney, Martin, Neville, Rendon, Sayre, Sienkiewicz, Turner

Instructors Caroselli-Dervan, Hoffman, Wheeler

Lecturers Aronson, Lahey, Leslie, May

Clinical Associates Calvani, Epstein, Ern, Hazeltine, Jenkins, Kilgallon, Mahon, McNiff, Moscovitz, Ohlenberg, O'Leary, Ornstein, Preston, Regan, Shamansky, Sheahan, Solomon, Straight, Violi

The Hunter-Bellevue School of Nursing is one of the largest and most prestigious nursing schools in the country. Its program of study combines liberal and professional education with a humanistic and comprehensive approach to health care. The School of Nursing offers a program leading to the Bachelor of Science (Nursing) degree. The undergraduate program has two pathways: the Generic Pathway, for those students who do not have an RN license, and the RN Pathway, for those who have completed a nursing program and have or are about to receive a current license to practice professional nursing in New York State. Applications to either program are available from Hunter College Admissions Office at 695 Park Ave, New York City 10021 or from CUNY Office of Admissions, 101 West 31 St, New York City 10001.

The undergraduate division consists of 2 component parts: lower division (general education) and upper division (professional education). Students are considered for admission to the School of Nursing for the fall semester only, and only after completing lower-division courses. Although a college GPA of 2.5 is the minimum requirement for consideration of an application, IT DOES NOT GUARANTEE ADMISSION INTO THE SCHOOL OF NURSING. The stronger the group of applicants in any given year, the higher the GPA needed for admission. A minimum grade of "C" is the required level for all nursing courses.

Graduates are awarded a BS (Nursing) degree and are eligible to take the NY Registered Nurse licensing exam. (A student who has been convicted of a felony or misdemeanor will have to undergo investigation by the Office of Professional Discipline, which might result in licensure being withheld.) Hunter-Bellevue graduates are prepared to give first-level professional nursing care in all areas of nursing practice. The program also provides a foundation for graduate study at the Master's level, which is also offered at the School of Nursing.

Generic Pathway This program is designed to be completed in 4 academic years by students who are admitted with no college credit and who attend full-time. How long it takes a transfer or second-degree student to complete the program depends on such factors as the number of applicable transfer credits they have and the number of courses they take each semester. Generic Pathway students cannot earn the degree in the evening. Part-time attendance may result in the student's losing the pace of the upper-division sequence and having to wait a year for a required course. Detailed fact sheets on the Generic Pathway are available from the Hunter College Office of Admissions, 695 Park Ave, NYC 10021.

RN Pathway This program is designed to meet the special needs of the experienced RN student who has already completed a 2- or 3-year nursing program. For details, interested RNs should request an RN Pathway Fact Sheet from the Hunter College Office of Admissions, 695 Park Ave, NYC 10021.

Distribution Requirements/Nursing Major Sequences Lower-division and upper-division course requirements are outlined below. Transfer students from other colleges will have their transcripts evaluated upon admission by the Office of the Registrar. Courses for which equivalency is granted need not be repeated. The lower-division sequence can be taken on a full- or part-time basis, but it must be fully completed before a student is admitted to the upper-division nursing sequence.

I. Lower Division

A. Natural Sciences and Mathematics* (24 cr)

1. Generic Pathway

CHEM 100, 101, 120, 121. (*Both lectures and labs must be successfully completed.*) BIOL 120, 122, 230, STAT 113.

2. RN Pathway

STAT 113, BIOL 210, 211, 280, and 14½ credits of courses in biology, chemistry, physics, and math.

B. English Composition (3 cr)

ENGL 120

C. Humanities: Literature (6 cr)

ENGL 200, 250, or any 2 courses which fulfill category IV of the distribution requirement (see p 00).

D. Humanities (9 cr)

9 credits from among the disciplines listed under category V of the distribution requirement (see p 00).

E. Social Sciences (15 cr)

All nursing students must take PSYCH 100 and 150. Also, they must take 9 additional credits from among the disciplines listed under category VI of the distribution requirement (see p 00).

F. Physical Education (1 cr)

Any activity course listed in this catalogue.

G. Liberal Arts and Science Electives (6 cr)

Students must take 6 cr in any liberal arts and/or science courses.

II. Upper Division

A. Nursing

1. Generic Pathway (45 cr)

NURS 200, 310, 312, 331, 332, 410, 412, 420.

2. RN Pathway (45 cr)

24 cr of nursing by transfer or exam, plus NURS 380, 381, 480, 481, 482.

B. Nursing Electives

Students must take 19 cr of electives; 9 to 10 of these credits must be earned in *nursing* electives. These offerings vary from semester to semester. Students should consult each semester's *Schedule of Classes*.

COURSE LISTINGS

NURS 200 Introduction to Nursing 3 hrs, 3 cr. Prereq: completion of lower-division sequence. Offered Fa. Introduction to conceptual framework of nursing curriculum.

NURS 310 Nursing I 19 hrs (4 lec, 15 lab) 9 cr. Prereq: completion of lower-division sequence. Coreq: NURS 200. Offered Fa. Provides knowledge base for effective nursing care of client from conception through early adolescence.

* Students who have not successfully completed 1 semester of high school physics are required to take 1 semester of college physics. Students who have not successfully completed 11th grade mathematics or passed Part I of the Hunter Calculus Readiness Test will have to take MATH 120 prior to taking STAT 113. Students who must take physics and/or MATH 120 will use the courses to fulfill part of their elective requirement.

NURS 312 Nursing II 19 hrs (4 lec, 15 lab) 9 cr. Prereq: NURS 200, 310. Offered Sp. Provides knowledge base for effective nursing care of client from late adolescence through adulthood.

NURS 331 Essentials of Pharmacology 3 hrs, 3 cr. Prereq: Completion of lower-division sequence. Successful achievement on Nursing Math Pretest prior to registration. Presents essential pharmacological information for nursing clients of all ages.

NURS 332 Principles of Nutrition 2 hrs, 2 cr. Prereq: completion of lower-division sequence. Presents essential nutrition information for nursing clients of all ages.

NURS 380 Nursing Theory and Research* 4½ hrs, 4½ cr. Offered Fa. Introduction to theory development and research in nursing.

NURS 381 Health Assessment Throughout the Lifespan* 6 hrs (3 lec, 3 lab) 4½ cr. Prereq: NURS 380. Offered Sp. Analysis of normal patterns of wellness for individual clients with emphasis on development of assessment skills.

NURS 410 Nursing III 19 hrs (4 lec, 15 lab) 9 cr. Prereq: NURS 200, 310, 312, 331, 332. Offered Fa. Provides a knowledge base for effective nursing care of middle-aged clients.

NURS 412 Nursing IV 19 hrs (4 lec, 15 lab) 9 cr. Prereq: NURS 410. Offered Sp. Provides knowledge base for effective nursing care of elderly clients.

NURS 420 Independent Study in Nursing 3 hrs, 1 cr. Opportunity to explore area of interest in nursing. Independent clinical experience in health care setting.

NURS 480 Promotion of Wellness in the Community* 7½ hrs (3 lec, 4½ practicum) 4½ cr. Prereq: NURS 380, 381. Offered Fa. Examination of family and community patterns as they relate to individual clients of all ages.

NURS 481 Nursing and Societal Forces. 3 hrs, 3 cr. Prereq: NURS 380, 381. Offered eves. Fa and days Sp. Analysis of current issues and evolving trends in professional nursing.

NURS 482 Advancement of Roles and Relationships in Professional Nursing* 7½ hrs, 4½ cr (3 lec, 4½ practicum). Prereq: NURS 380, 381, 480, 481. Offered Sp. Evaluation of roles of professional nurse in a variety of health care settings.

Electives

NURS 333 Medication Administration In Nursing 3 hrs, 3 cr. Prereq: NURS 331. Presents the information necessary for safe preparation, administration, and accurate recording of drugs.

NURS 340 Women's Health 3 hrs, 3 cr. Designed to identify and analyze those factors which impact on the health status of women—biological, sociological, psychological, environmental, political.

NURS 341 Health Promotion with the Worker 3 hrs, 3 cr. Focuses on using models for health promotion and health maintenance with the working age client.

NURS 342 Ethical Issues in Nursing Practice 3 hrs, 3 cr. (RN Pathway and Senior Generic Pathway students only.) Examines ethical issues which arise from the practice of nursing in an interpersonal, professional, institutional and social context of diverse and competing values.

NURS 440 Stress Management for Nurses 3 hrs, 3 cr. (RN Pathway: Open to Generic students by permission of Director.) An overview of stress and its effect upon behavior within the framework of the Holistic man-wellness model.

NURS 441 Selected Studies in Nursing Research 3 hrs, 3 crs. Honors Course. Prereq: NURS 310, 312, 331, 332, 380, 381. A utilization of basic knowledge in nursing research to critique and interpret studies and discuss their relevance and application in nursing.

* Open only to RN Pathway students.



Randy Fader-Smith

Philosophy

Department Office West Building room 1413, phone 772-4970

Chair John Lango

Professors Finch, Held, Landesman, Muyskens, Sherover, Stambaugh

Associate Professors Freeman, Lango, Ross, Sproul

Assistant Professor Kirkland

Advisor (day/evening) Frank Kirkland

The courses offered by the Philosophy Department have two main purposes. First, they are designed to introduce students to the main problems that philosophers study—questions such as: “What can we know?” “What is the distinction between right and wrong action?” “Is there a God?” “What is the meaning of life?” “How are persons distinguished from things?” “What makes an argument valid?” “What is the meaning of ‘meaning’?” “Is free will an illusion?” Second, they are intended to introduce students to the main ideas of such great thinkers as Socrates, Plato, Aristotle, Augustine, Aquinas, Descartes, Hume, and Kant.

Philosophy is one of the most important subjects a student can study because it develops the ability to reason clearly, to distinguish between good and bad arguments, to write thoughtfully, and to use intelligence and logic to deal with problems all too often ruled by emotion and prejudice. Through the study of philosophy, students become acquainted with some of the most important works in world literature written by the most influential minds of the ages. The study of philosophy, either in individual courses or as a major or minor, is an excellent preparation for a variety of professions and occupations. Many students of philosophy pursue careers in law, business, medicine, and government. Others go on to study philosophy at the graduate level with the aim either of teaching philosophy or of obtaining an advanced degree to further their career objectives.

Distribution Requirement PHILO 110, 116, 120, 201, 240 or 241 may be used to satisfy category V (Humanities) of the distribution requirement. Courses offered toward the major may not be applied to the distribution requirement, and no more than 6 credits of an approved minor may be applied toward the distribution requirement.

Major The major consists of 24 credits, at least 18 of which must be in courses numbered 200 or above. PHILO 110, 111, 116 do not count toward the major. A department advisor should be consulted on what courses are appropriate for students planning to take graduate work in philosophy.

Minor A philosophy major is permitted to minor in all programs that the College offers. Double majors are also permitted.

First Course in Philosophy Students who desire a general introduction to philosophy should take PHILO 110. For a general introduction with an emphasis on ethics, students should select PHILO 116. For an introduction intended to develop skills in reasoning and writing, students should take PHILO 111. For those who want a survey of the history of philosophy, PHILO 240 and/or 241 should be selected. For an introduction with an emphasis on logic, students should select PHILO 120.

Honors Work Philosophy majors may become candidates for graduation with departmental honors by receiving permission to take PHILO 494.

Independent Study Students may engage in independent study under the supervision of a member of the Philosophy Department by receiving permission to take PHILO 492.

COURSE LISTINGS

I. Introductory Courses (offered each semester)

PHILO 110 Introduction to Philosophy 3 hrs, 3 cr. Examination of basic philosophical questions through study of selected philosophical classics.

PHILO 111 Logical Thinking 3 hrs, 3 cr. Introduction to the art of reasoning and of clear and critical thinking. Serves as foundation for work in various academic disciplines.

PHILO 116 Introduction to Ethics 3 hrs, 3 cr. Examination of standards of right conduct and the good life through study of selected philosophical classics.

PHILO 120 Introduction to Formal Logic and Scientific Method 3 hrs, 3 cr. Examination of foundations of deductive and inductive logic.

PHILO 240 The Great Philosophers: Ancient and Medieval 3 hrs, 3 cr. Comprehensive study of major philosophical thinkers, ideas, and movements from dawn of philosophy in ancient Greece to time of the Renaissance.

PHILO 241 The Great Philosophers: Modern and Contemporary 3 hrs, 3 cr. Comprehensive study of major philosophical thinkers, ideas, and movements from rise of modern philosophy in 17th century to the present.

(Note: The Philosophy Department hopes to be able to offer all the courses that follow at least once in each 2-year period.)

II. Ancient, Medieval, and Eastern Philosophy

PHILO 202 Plato and His Predecessors* 3 hrs, 3 cr. Beginnings of Western philosophy, with emphasis on dialogues of Plato.

PHILO 204 Aristotle and His Successors* 3 hrs, 3 cr. Study of Aristotle's major writings and of their influence on subsequent philosophy.

PHILO 206 Hellenistic and Early Medieval Philosophy* 3 hrs, 3 cr.

PHILO 208 Late Medieval and Renaissance Philosophy* 3 hrs, 3 cr.

PHILO 234 Asian Philosophies* 3 hrs, 3 cr. Readings from classics of Indian, Chinese, and Japanese philosophy drawn from traditions of Buddhism, Hinduism, Taoism, and Confucianism.

III. Modern Philosophy

PHILO 210 Foundations of Modern Philosophy* 3 hrs, 3 cr. Study of major writings of Bacon, Hobbes, Descartes, Spinoza, Leibniz, and Rousseau.

PHILO 212 Empiricism and the Enlightenment* 3 hrs, 3 cr. Major works of British empiricists (Locke, Berkeley, Hume) and their influence on 18th-century thought.

PHILO 215 Nineteenth-century Philosophy* 3 hrs, 3 cr. Study of major works of Hegel, Schopenhauer, Mill, Kierkegaard, Marx, and Nietzsche.

PHILO 220 Marxism* 3 hrs, 3 cr. Study of writings of Marx and Engels and of their followers and critics.

PHILO 222 J. S. Mill and Utilitarianism* 3 hrs, 3 cr. Study of the utilitarian tradition and its critics.

PHILO 224 Nietzsche* 3 hrs, 3 cr. Study of his major writings.

PHILO 225 American Philosophy* 3 hrs, 3 cr. Historical survey of major American philosophers such as Edwards, Emerson, Thoreau, Peirce, James, Royce, Santayana, and Dewey.

PHILO 314 Kant** 3 hrs, 3 cr. A study of some of Kant's major writings.

PHILO 316 Modern Philosophical Idealism** 3 hrs, 3 cr. Study of major works of Fichte, Schelling, Hegel, Bradley, Royce, and their critics.

PHILO 318 Hegel** 3 hrs, 3 cr. Study of some of Hegel's major writings.

IV. Contemporary Philosophical Movements

PHILO 228 Existentialism* 3 hrs, 3 cr. Philosophical writings of major existentialists. Topics include nature of subjectivity, moral value, freedom, authenticity.

PHILO 326 Pragmatism** 3 hrs, 3 cr. Major thinkers in American pragmatism such as Peirce, James, Dewey.

PHILO 330 Contemporary Phenomenology** 3 hrs, 3 cr. Selections from writings of major phenomenologists such as Husserl, Heidegger, Sartre, and Merleau-Ponty.

PHILO 332 Contemporary Analytic Philosophy** 3 hrs, 3 cr. Selections from writings of major representatives of analytic philosophy such as Russell, Moore, and Wittgenstein.

V. Problems of Value and the Good Life

PHILO 114 Philosophical Ideas in Literature 3 hrs, 3 cr. Study of philosophical ideas exemplified in a selection of classics of world literature.

PHILO 118 Philosophy, Politics, and Society 3 hrs, 3 cr. Introduction to social and political philosophy.

PHILO 244 Moral Philosophy* 3 hrs, 3 cr. Study of selected problems in philosophical ethics and moral psychology.

PHILO 246 Social and Political Philosophy* 3 hrs, 3 cr. Study of selected philosophical problems in politics, law, economics, society.

PHILO 258 Aesthetics* 3 hrs, 3 cr. Study of philosophical issues that arise in our understanding and criticism of the arts. Topics include nature of expression, purpose and standards of criticism, and aesthetic value.

PHILO 282 Philosophical Responses to Current Issues 3 hrs, 3 cr. Prereq: variable. Philosophical significance of selected controversial issues in contemporary life.

PHILO 284 Problems of Law and Morality 3 hrs, 3 cr. Philosophy of law and the relation of legal to ethical issues.

PHILO 286 Feminism: Philosophical Theory and Practice 3 hrs, 3 cr. Analyses of feminist theories and their practical implications.

PHILO 288 Ethical Issues in Biology and Medical Care* 3 hrs, 3 cr.

VI. Problems of Knowledge, Mind, and Reality

PHILO 201 Knowledge and Reality 3 hrs, 3 cr. Introduction to main problems of theory of knowledge and metaphysics such as personal identity, grounds of justified belief, existence of God, nature of free will and causality.

PHILO 242 Philosophy of Religion 3 hrs, 3 cr. Prereq: one course in philosophy or religion. Philosophical examination of some religious questions and beliefs.

PHILO 248 Philosophical Psychology* 3 hrs, 3 cr. Views of human nature underlying some major contemporary schools of psychology such as Freudian psychoanalysis, behaviorism, existential psychoanalysis, Piaget's developmental psychology.

PHILO 360 Metaphysics** 3 hrs, 3 cr. Study of major metaphysical views such as materialism, idealism, nominalism, and realism. The major question is: What is reality and how may it be known?

PHILO 362 Theory of Knowledge** 3 hrs, 3 cr. Study of origin, structure, methods, and foundations of human knowledge.

PHILO 364 Philosophy of Language** 3 hrs, 3 cr. Inquiry into philosophical significance of language, its structure, meaning, reference, and use.

PHILO 366 Philosophy of Mind** 3 hrs, 3 cr. Examination of concept of mind and person. Topics include thinking, intention, action, emotion, self-knowledge.

VII. Logic and the Philosophy of Science

PHILO 250 Philosophy and Rise of Science* 3 hrs, 3 cr. Interaction of philosophy and scientific thought.

PHILO 252 Philosophy of History* 3 hrs, 3 cr. Study of foundations of historical knowledge and of theories about patterns of historical change.

PHILO 254 Introduction to Symbolic Logic 3 hrs, 3 cr. A systematic approach to deductive logic.

PHILO 355 Advanced Symbolic Logic 3 hrs, 3 cr. Prereq: Philo 254 or equiv.

PHILO 356 Philosophy of Logic** 3 hrs, 3 cr.

PHILO 368 Philosophy of Mathematics* 3 hrs, 3 cr.

PHILO 370 Philosophy of Science* 3 hrs, 3 cr. Study of foundations of knowledge in natural and social sciences.

VIII. Special Studies

PHILO 200 Topics in Philosophy 3 hrs, 3 cr. Prereq: variable. Topics discussed vary from semester to semester.

PHILO 338 Philosophical Systems 3 hrs, 3 cr. Prereq: variable. Study of writings of one or two major philosophers.

PHILO 378 Philosophical Problems 3 hrs, 3 cr. Prereq: variable. Study of one or more major philosophical problems.

PHILO 492 Readings in Philosophy 1 to 6 cr. Prereq: perm. chair. Independent study of philosophical works under faculty supervision.

PHILO 494 Honors Tutorial in Philosophy 3 or 6 credits. Prereq: perm. chair. Independent research and writing under direction of department's Honors Committee.

PHILO 498 Inservice Learning Program 1 to 6 cr. Prereq: perm. chair. Philosophically relevant internship.

*Courses so marked require one course in PHILO as a prerequisite.

**Courses marked with 2 asterisks require 2 courses in PHILO as a prerequisite.

Physics and Astronomy

Department Office North Building room 1200, phone 772-5248

Chair Leon Cohen

Professors Cohen, Kalikstein, Kritz, Lawergren, Lee, Marino, Tryon

Associate Professors Bennick, den Boer, Varley

Assistant Professor Greenbaum, Hillery

Advisors (day) Sook Lee (majors) Rodney Varley (evening) Edward Tryon (grad) Arnold Kritz (pre-engineering) Bo Lawergren (PHYS 001) Marilyn Rothschild

Physics is the study of the basic interactions which govern the behavior of the universe as we know it. As such, a knowledge of physics is necessary for the proper understanding of any science, and, of course, it is an exciting field of study in its own right.

The department offers comprehensive training in physics that can lead to a teaching position, industrial, institutional, and government work, and graduate study. The major includes lecture courses, laboratory courses, and a chance for qualified students to participate in research with faculty members.

Distribution Requirement No more than 8 credits of the major or the minor may also be offered toward the distribution requirement. We suggest, but do not require, that students who are thinking of continuing the study of this subject on the doctoral level elect French, German, or Russian to meet the foreign language portion of the distribution requirement.

Graduate Study The Department of Physics and Astronomy offers a number of advanced courses, listed in the graduate catalogue, which give credit toward the degree of Master of Arts. Qualified undergraduate students may be admitted to these courses with the approval of the department chair.

Accelerated BA/MA Program in Physics This special program for a limited number of well-qualified students leads to a Bachelor of Arts and a Master of Arts degree. Students are offered the opportunity quickly to reach a level where they can stand in competition for admission into any doctoral program in physics. Such an opportunity and incentive is of special importance in a field where significant work is done by relatively young people. The program requires 124-126 credits (including the 26 credits required for a physics major BA degree and 30 credits from the graduate curriculum). Because this program requires a large number of physics courses, many of which have other physics courses as prerequisites, students in this program must begin taking physics courses in their

first or second semester. Students should consult with the department chair, undergraduate advisor, or graduate advisor for details as early as possible.

Physics for non-physics Majors A minimum of one year of physics is recommended for all majors in sciences and health sciences. Medical and dental schools also require one year of physics.

Students requiring one year of physics may take either the PHYS 110–120 sequence (4.5 cr each) or the PHYS 111–121 sequence (5.5 cr each). Although both sequences cover the same topics, PHYS 111–121 utilizes elementary calculus and meets for one additional lecture hour each week. It is recommended for science students and those pre-med students who satisfy the pre- or corequisite.

PHYS 101 (4 cr) should be taken only by pre-nursing majors and those who want a one-semester terminal course in physics.

Major (26 cr) The major consists of a minimum of 26 credits, including the following:

- A. General physics PHYS 111–121 (recommended). No more than 8 cr toward the major can be obtained from these courses.
- B. Intermediate laboratory courses PHYS 225, 326, 427. (Students interested in teaching physics at a secondary school level may substitute PHYS 403 for 326 and 427 in their major sequence with departmental approval.)
- C. Intermediate lecture courses PHYS 330, 334, 335.
- D. MATH 150, 155, 250, and 254 are required, as well as one year of high school or college chemistry

Additional physics credits should be taken from 200- and 300-level lecture and laboratory courses and are strongly recommended for students planning physics or physics-related graduate studies. Courses that are not offered in a particular term may be taken as independent study courses on a tutorial basis by arrangement with the individual instructor and with the chair's permission.

Minor 12 credits in biological sciences, chemistry, computer science, geology, mathematics, or another approved field selected after conference with the major advisor.

Preparation for Teaching In cooperation with the Division of Programs in Education, the Department of Physics and Astronomy provides opportunities for students to prepare for careers in teaching at the secondary level. Students who wish to qualify for New York City licensing or New York State certification should consult the Education statement in this catalogue.

Students preparing to teach physics and general science are advised to include the following courses or their equivalents in their undergraduate programs: MATH 254; CHEM 102, 103, 104, 105; ASTRO 100; GEOL 101; and BIOL 100. To prepare for teaching at the secondary level, the physics major must also take EDUC 365—Methods of Teaching in Secondary Schools. The complete course description is listed in the Education statement in this catalogue.

Honors Work The opportunity for students to do individual research (experimental or theoretical) is offered in courses PHYS 453 and 454.

Pre-Engineering Program

The College offers courses that will prepare the student in the first 2 years of study to pursue a career in engineering. Students planning to go into engineering should consult the pre-engineering

advisor during pre-admission conference days and also at least once each semester.

This program is directed toward the degree of Bachelor of Science in Engineering. The courses offered are chosen so that students will have satisfied their first 2 years' requirement if they transfer to City College for their final 2 years.

Those students planning to go to an engineering school other than City College should see the pre-engineering advisor to work out a program suitable to their needs.

If by the end of the fourth semester students decide not to continue their engineering degrees and to remain at Hunter College, they become subject to the same requirements as other Hunter College students. Many of the courses taken in the pre-engineering program may be used to satisfy these requirements.

The following courses comprise the pre-engineering curriculum:

COURSES	Credits to be taken to prepare for:			
	Chemical Engineering	Civil Engineering	Electrical Engineering	Mechanical Engineering
SCIENCE COURSES				
Mathematics				
MATH 150, 155, 250, 254	15	15	15	15
MATH 211	—	—	3	—
Chemistry				
CHEM 102, 103	4½	4½	4½	4½
CHEM 104, 105	4½	4½	—	4½
Computer Science				
C SCI 125	3	3	3	3
Geology				
GEOL 101	—	4	—	—
Physics				
PHYS 111, 121	10	10	10	10
PHYS 330 or 360	4	4	4	4
PHYS 335 or 365	4	—	4	—
Technical Drawing				
ARTCR 261	3	3	—	3
OTHER COURSES				
Communications				
COMM 160	3	3	3	3
English				
ENGL 120	3	3	3	3
Humanities & Social Sciences				
3–4 courses*	9–12	9–12	9–12	9–12
Economics				
ECO 100	3	3	3	3
Physical Education				
2 activity courses	2	2	2	2

* Skills courses will not be credited. For example, accounting, statistics, photography, drawing, musical instruments technique, non-literature courses, etc., are regarded as skills courses.



COURSE LISTINGS

PHYS 001 Problem Solving in the Sciences 4 hrs, 2 cr. (Transfer students may receive less than 2 cr, depending upon number of cr transferred.) Placement by College minimal proficiency examination. Use of algebra, graphs, functional analysis, trigonometry, and other tools in developing techniques for solving problems.

PHYS 100 Introduction to Physical Science 5 hrs (3 lec, 2 lab), 4 cr. Prereq: PHYS 001 or passing College proficiency examination exempting from PHYS 001. Offered TTT Program only. Study of crystals using techniques of both chemistry and physics.

PHYS 101 Introduction to Physical Science 5 hrs (3 lec, 2 lab), 4 cr. Prereq: PHYS 001 or passing College proficiency examination exempting from PHYS 001. TTT Program only. Study of selected topics from biology and geology.

ASTRO 100 Basic Concepts in Astronomy 4 hrs (2 lec, 2 lab), 3 cr. Prereq: PHYS 001 or passing College proficiency examination exempting from PHYS 001. Introductory 1-semester astronomy course designed for non-science majors.

PHYS 101 Study of Selected Phenomena and Basic Concepts of Physics (1-semester course) 6 hrs (3 lec, 3 lab), 4 cr. Prereq: PHYS 001 or passing College proficiency examination exempting from PHYS 001. Introductory physics course designed for nursing majors and others requiring a 1-semester terminal course.

PHYS 110 General Physics: Introductory Course in Mechanics, Heat, and Sound 7 hrs (3 lec, 3 lab, 1 rec), 4.5 cr. Prereq: MATH 120 or equiv. by mathematics dept. exam. First semester of 2-semester introductory physics course using algebra.

PHYS 111 General Physics: Introductory Course in Mechanics, Heat, and Sound 8 hrs (4 lec, 3 lab, 1 rec), 5.5 cr. Prereq (or coreq with perm.): MATH 150. First semester of a 2-semester introductory physics course using calculus. For physics and other science majors.

PHYS 120 General Physics: Introductory Course in Electricity and Magnetism, Light, and Atomic Physics 7 hrs (3 lec, 3 lab, 1 rec), 4.5 cr. Prereq: PHYS 110 or 111. Second semester of PHYS 110, a 2-semester introductory physics course using algebra.

PHYS 121 General Physics: Introductory Course in Electricity and Magnetism, Light, and Atomic Physics 8 hrs (4 lec, 3 lab, 1 rec), 5.5 cr. Prereq: PHYS 110 or 111. Prereq (or coreq with perm.): MATH 155. Second semester of PHYS 111, a 2-semester introductory physics course using calculus.

PHYS 225 Intermediate Physics Laboratory (first level) 4 hrs, 2 cr. Prereq: PHYS 120 or 121. Study of modern experimental techniques in variety of fields.

PHYS 326 Intermediate Physics Laboratory (second level) 4 hrs, 2 cr. Prereq: PHYS 225. Study of modern experimental techniques in variety of fields.

PHYS 330 Atomic and Nuclear Physics 4 hrs, 4 cr. Prereq: PHYS 120 or 121. Prereq or coreq: MATH 250. Examines experimental evidence and develops modern view of structure of atom and nucleus.

PHYS 334 Intermediate Electricity and Magnetism 4 hrs, 4 cr. Prereq: PHYS 120 or 121. Prereq or coreq: MATH 250. Electrostatics, currents, magnetism, and introduction to electromagnetic theory of light.

PHYS 335 Intermediate Mechanics 4 hrs, 4 cr. Prereq: PHYS 120 or 121; prereq or coreq: MATH 250. Study of laws of motion and coordinate systems; introduction to powerful analytical techniques.

PHYS 336 Thermodynamics and Statistical Mechanics 4 hrs, 4 cr. Prereq: PHYS 120 or 121; MATH 250. Study of fundamental ideas of heat, reversibility, and entropy. Introduction to statistical nature of some physical laws.

PHYS 342 Optics 3 hrs, 3 cr. Prereq: PHYS 120 or 121; MATH 250. Study of lenses, mirrors, interference, diffraction, and polarization, as well as lasers, holography, and Fourier optics.

PHYS 401 Theoretical Physics 4 hrs, 4 cr. Prereq: PHYS 334, 335, MATH 254. Analysis of mathematical techniques for solving important types of physical problems from various fields.

PHYS 411 Theoretical Mechanics 3 hrs, 3 cr. Prereq: PHYS 335. Prereq or coreq: MATH 254. Classical mechanics of particles and rigid bodies; special relativity; Hamilton's formulation; Liouville's theorem.

PHYS 415 Electromagnetic Theory 3 hrs, 3 cr. Prereq: PHYS 334. Prereq or coreq: MATH 254. Electrostatics; electromagnetics; Maxwell's equation with application to waves; waves in guides; radiation.

PHYS 421 Electronics 4 hrs, 4 cr. Prereq: PHYS 334. Charged particles in electric and magnetic fields; vacuum tubes, semiconductors, filter theory, radios, and computers.

PHYS 424 Plasma Physics 3 hrs, 3 cr. Prereq: PHYS 334. Motion of charged particles in external magnetic and electrical field; fusion using tokamaks, mirrors, and lasers.

PHYS 425 Quantum Theory 3 hrs, 3 cr. Prereq: PHYS 330. Prereq or coreq: MATH 254. From Bohr model and DeBroglie waves to Schrodinger wave equation; solutions for simple cases; transformations.

PHYS 427 Intermediate Physics Laboratory (third level) 4 hrs, 2 cr. Prereq: PHYS 326. Study of modern experimental techniques in variety of fields. Required for physics majors.

PHYS 428 Intermediate Physics Laboratory (third level) 4 hrs, 2 cr. Prereq: PHYS 427. Study of modern experimental techniques in variety of fields.

PHYS 445 Solid State Physics 3 hrs, 3 cr. Prereq: PHYS 330. Energy levels in atoms, molecules, and solids; crystal structure; properties of solids; semiconducting devices.

PHYS 453 Introduction to Research 1 to 3 cr. Prereq: PHYS 330, 334, 335, and 427 or perm. chair. Independent theoretical or experimental research or independent study of approved topic.

PHYS 454 Introduction to Research 1 to 3 cr. Prereq: PHYS 453 or perm. chair. Independent theoretical or experimental research or independent study of approved topic.

Courses not to be offered during 1986-88:

ASTRO 181 Astronomy of the Solar System

ASTRO 182 Stellar Astronomy

PHYS 145 Physics of Computers

PHYS 186 Acoustics of Music

PHYS 240 Physics of Biological Systems

PHYS 245 Computer Applications in Physical Sciences

PHYS 280 Astrophysics

PHYS 360 Atomic and Nuclear Physics for Engineers

PHYS 364 Electricity and Magnetism for Engineers

PHYS 365 Analytical Mechanics

PHYS 403 Topics in Modern Physics

Political Science

Department Office West Building room 1724, phone 772-5500

Chair Walter E. Volkomer

Professors Erickson, Massell, Richter, Shalala, Sherrill, Volkomer, Zagoria

Associate Professor Jaworskyj

Assistant Professors Polsky, Slocum, Somerville, Tronto

Advisors (day) Kenneth S. Sherrill (evening) Carolyn M. Somerville

No single statement captures the vital meaning of political science. It deals generally with the various political, social, and cultural arrangements through which people govern their lives. It attempts to interpret the past, explain the present, and often dares to draw images of the future. As a field of study, it reaches to many levels, from the evolution of political philosophy to the problems of development in emerging nations, from the crisis of urban government in America to the organization of states in the international arena. In short, its centers of interest are broad and varied.

Most people think of politics in terms of political parties and voting. Political science is interested in both of these subjects. It is also interested in many other areas as well. In the department you will find courses in how children learn about the political world, the ideas of great thinkers from Plato to Marx, the problems of cities, the role of minority groups, issues of war and peace, the way in which American presidents make crucial decisions, the foreign policy of Russia, China, the United States and many other countries, the development of communism, political economy, and many other subjects. Students can specialize in one or more subfields or sample from a number of them.

A large number of political science majors choose some branch of public service upon completing their bachelor's degree. Many go into teaching. Others enter the civil service or become city planners. Some enter business. Others go to work in journalism. Still others enter politics or go on to law school or graduate training. Political science, therefore, prepares students for a variety of career opportunities.

Distribution Requirement POLSC 111, 112, 113, 114, 115, 116 fulfill the social science (Category VI) distribution requirement. No more than 6 credits in political science may be used to fulfill the distribution requirement.

Major (24 cr) Majors are required to take at least one course in each of the 4 following subfields of the discipline: American government, political theory, international relations, and comparative politics. Majors are advised to take at least 2 introductory courses prior to enrollment in advanced courses. Courses in which the student receives a grade of CR ("Credit") cannot be credited toward the major. No more than 9 credits toward the minimum of 24 credits required for the major may be taken in Contemporary Issues courses.

All political science majors must take MEDIA 180 in the Communications Department. This may be used toward the humanities requirement (category V).

Minor 12 credits in 1 or 2 other departments in areas related to the major. Credits satisfying the distribution requirement will not be counted toward the minor. The minor must be approved by the Political Science Department.

Interdepartmental Fields Students wishing to do work in political science as part of the interdepartmental fields in Russian area studies, Inter-American affairs, energy policy studies, women's studies, and Jewish social studies should refer to the appropriate descriptions in this catalogue.

Preparation for Teaching In cooperation with the Division of Programs in Education, the Department of Political Science provides opportunities for students to prepare for a career in teaching at the secondary and elementary levels. Students who wish to qualify for New York City licensing or New York State certification should consult the Programs in Education statement in this bulletin. It is possible to complete a major in political science and at the same time to satisfy the requirements for the New York State secondary certification in social studies. For details, students should consult with the Department of Political Science advisor.

Preparation for Law A substantial number of majors in political science intend to go on to law school. For information on law school requirements, and on relevant courses in political science as well as in other departments, consult with the departmental or College pre-law advisor.

Preparation for Public Service The department is developing an array of undergraduate courses in public administration and public policy designed to help students acquire skills necessary for effective participation in the public decision-making process and to prepare them for entry-level positions in governmental or political activities. For further information, please contact the department office. POLSC 241—Managing American Government—and POLSC 348—Public Administration and Public Policy—are recommended for students interested in this field.

Honors Work POLSC 492 is part of the requirement for graduation with departmental honors. Students may apply 6 credits of honors work toward the major.

Seminar/Internship Program in New York City Government

This university-wide program is designed to bridge the gap between academic study and the practical world of city government. Each year approximately 300 students are selected as CUNY interns. Hunter College students participate by enrolling in POLSC 411 and 412. Interns spend 8 to 10 hours a week in City agencies, political offices, or community groups working on administrative or research assignments related to urban affairs and city services. They attend a weekly classroom seminar at Hunter and monthly meetings of the entire Program at the Graduate School and University Center. Prominent government officials, political leaders, community representatives, and academic experts participate in both the weekly and monthly meetings. For further information, consult the Political Science Department.

Seminar/Internship in Comparative and International Politics

This program is designed to give students the opportunity to apply what they have learned in the classroom to the practical world of comparative and international politics. Students enrolled in POLSC 413 and 414 are placed in comparative or international political organizations, trade and business institutes, non-governmental organizations, United Nations agencies, and foreign policy institutions. Students spend 10–12 hours a week working on administrative and research activities related to comparative and international politics. In addition, there are weekly classroom seminars in which experts in comparative or international politics discuss topics of current interest. For more information, contact the Political Science Department.

Preparation for Graduate Study Students who intend to go on to graduate school should consult with undergraduate advisors. Qualified students in their senior or junior year may be admitted to some graduate courses with the approval of the department chair.

Awards and Prizes The Political Science Department confers recognition on its outstanding graduates by awarding several prizes and awards: *The Edgar Dawson Prize*, presented annually to one or more graduating political science majors; and *The David E. Haight Memorial Award*, a substantial fellowship to enable a grad-

uating political science major to pursue graduate studies in political science.

COURSE LISTINGS

Introductory Courses

Each of the following 6 introductory courses is intended to acquaint the student with a particular segment of political science. Each will fulfill 3 credits of the distribution requirement in the social sciences.

POLSC 111 Introduction to American Government and Politics 3 hrs, 3 cr. President, Congress, Supreme Court, Constitution, politics, parties, pressure groups.

POLSC 112 Introduction to Political Theory 3 hrs, 3 cr. Selected texts of great political thinkers. Persisting problems of politics from Plato to present.

POLSC 113 Introduction to Democratic Government and Politics 3 hrs, 3 cr. Comparative analysis of democracies around the globe. US, Canada, Europe, India, Japan, Third World, and socialist democracies.

POLSC 114 Introduction to Government and Politics in the Third World 3 hrs, 3 cr. Political institutions, social structure, nationalism, ideology, revolution, colonialism, neo-colonialism.

POLSC 115 Introduction to International Politics 3 hrs, 3 cr. Diplomacy, power, war, peace, terrorism, nationalism, imperialism, the UN, structures and processes of world politics.

POLSC 116 Introduction to Communist Political Systems 3 hrs, 3 cr. Soviet Union, China, Cuba, Yugoslavia, Eastern Europe, other communist systems. Theory and practice of communism.

American Government and Politics

POLSC 211 State Government and Politics* 3 hrs, 3 cr. Comparative analysis of state governments. Power and role of governors, state legislatures, parties, lobbies.

POLSC 212 Urban Politics* 3 hrs, 3 cr. Politics in New York City and other urban areas. Decentralization, suburbanization, race, ethnicity, reform.

POLSC 213 Political Parties and Elections 3 hrs, 3 cr. Organization campaigns, nominations, voting behavior, issues, finances, reform.

POLSC 215 Public Opinion and Political Participation 3 hrs, 3 cr. What American people think about politics and how they express it, from polls to elections to demonstrations.

POLSC 217 Contemporary Issues in American Politics* 3 hrs, 3 cr. Selected topics in American politics and government.

POLSC 218 Women and Politics 3 hrs, 3 cr. Constitutional and legal position of women, ERA, affirmative action, marriage, divorce, property, feminist causes.

POLSC 219 Women and the Law 3 hrs, 3 cr. Overview of how local, state, and federal laws treat people on basis of sex.

POLSC 230 The American Presidency 3 hrs, 3 cr. Selection, election, role, functions, and powers of President.

POLSC 235 The American Congress 3 hrs, 3 cr. Legislation and policy-making process. Congressional organization, functions and behavior. Lobbies, parties, leaders.

POLSC 238 The American Legal System 3 hrs, 3 cr. Civil and criminal law, common law and equity, substantive and procedural law. Emphasis on federal and New York law.

POLSC 240 The American Judiciary 3 hrs, 3 cr. Supreme Court and other federal courts as part of policy-making process in American government.

POLSC 241 Managing American Government* 3 hrs, 3 cr. Organizing and controlling governmental agencies, with emphasis on efficiency and equity, problems, and reforms.

POLSC 243 US Political Economy 3 hrs, 3 cr. Prereq: 1 social science course or perm. inst. Critical analysis of such determinants of power in US as race, class, ideology, democracy, large corporations, the state; theories of economic growth and decline.

POLSC 274 American Foreign Policy 3 hrs, 3 cr. Personalities and processes in making, administering, and controlling our foreign policy.

POLSC 317 Contemporary Issues in American Politics 3 hrs, 3 cr. Prereq: POLSC 111 or perm. inst. Selected topics in American politics and government.

POLSC 320 Ethnic Politics 3 hrs, 3 cr. Ethnicity in local and national politics. Major groups, how they affect government, what government does for them.

POLSC 330 The Politics of Urban Planning* 3 hrs, 3 cr. Politics of city life—housing, urban renewal, poverty, transportation, health, environment, shrinking budgets.

POLSC 340 Constitutional Law: Organizing the Government 3 hrs, 3 cr. Prereq: POLSC 111 or 238. Basic constitutional problems and Supreme Court decisions. Federalism, judicial review, separation of powers, foreign policy.

POLSC 341 Constitutional Law: Civil Rights 3 hrs, 3 cr. Prereq: POLSC 111 or 238. Constitutional problems and Supreme Court decisions regarding race and sex discrimination.

POLSC 342 Constitutional Law: The First Amendment 3 hrs, 3 cr. Prereq: POLSC 111 or 238. Constitutional problems and Supreme Court decisions regarding freedom of speech, press (media), religion, and assembly.

POLSC 343 Criminal Law 3 hrs, 3 cr. Prereq: POLSC 111 or 238. Constitutional problems and judicial decisions regarding search and seizure, right to counsel, self-incrimination.

POLSC 348 Public Administration and Public Policy* 3 hrs, 3 cr. Analysis of problems in policy-making and administration, focusing on motivations, ethics, authority.

POLSC 369 Political Socialization 3 hrs, 3 cr. Not offered '82-'84. Development of political attitudes in children. Identity, nationalism, partisanship, efficacy, participation, obedience.

POLSC 411, 412 Seminar/Internship in New York City Government* 2 sems. 4 hrs, 4 cr each sem. Prereq: perm. dept. Practical experience in city government and politics. Weekly seminars, monthly university-wide meetings.

Political Theory

POLSC 201 Great Political Ideas: Plato Through Rousseau 3 hrs, 3 cr. Study of concepts of human nature, justice, order, and revolution through works of classical theorists.

POLSC 202 Great Political Ideas: Liberty and Its Enemies 3 hrs, 3 cr. Liberty and equality: their advocates and enemies from American and French Revolutions through 20th-century revolutions.

POLSC 204 Contemporary Issues in Political Theory 3 hrs, 3 cr. Topics vary each semester. They have included democracy in America, totalitarianism, liberty, and authority.

POLSC 205 Research Design in Political Science 3 hrs, 3 cr. Prereq: MATH 001 or passing College proficiency examination in math or perm. inst. Uses Social Sciences Data Lab. Offered Fa. Public opinion surveys, content analysis, legislative roll-call analysis, census data, election returns. Introduction to statistics.

POLSC 207 Data Analysis in Political Science 3 hrs, 3 cr. Prereq: POLSC 206 or perm. inst. Uses Social Science Data Lab. Offered Sp. Computer applications and statistical analysis in political science. Students write a quantitative term paper.

POLSC 301 American Political Thought 3 hrs, 3 cr. Federalists, utopians, pragmatists, reformers, pluralists, liberals, conservatives, radicals.

POLSC 303 Democracy and Dictatorship 3 hrs, 3 cr. Communism, fascism, democracy. Major political doctrines of 20th century in theory and practice.

POLSC 304 Contemporary Issues in Political Theory 3 hrs, 3 cr. Prereq: POLSC 112 or perm. inst. Selected topics in political theory.

POLSC 306 Approaches to Political Science 3 hrs, 3 cr. Major organizing concepts in study of political science.

POLSC 307 Theory of Revolution 3 hrs, 3 cr. Traditional and modern revolutions. Conditions and objectives of socialist and communist revolutions.

*Courses so marked are of particular interest to students planning a concentration in Public Administration and Public Policy.

POLSC 308 Marxism and Post-Industrial Societies 3 hrs, 3 cr. Relevance of Marxist theory to modern societies. Attention paid to science, technology, manipulation, apologists.

Comparative Politics

POLSC 252 Governments and Politics in the Caribbean 3 hrs, 3 cr. Colonial heritage and American presence. Political institutions, cultural diversity, and economic dependency.

POLSC 253 Governments and Politics in Latin America 3 hrs, 3 cr. Ideology, revolution, institutions, class structure, distribution of wealth and power, political and economic development.

POLSC 254 Governments and Politics in Western Europe 3 hrs, 3 cr. Theory, practice, institutions, and problems of noncommunist European nations (Britain, France, Germany, etc.).

POLSC 255 Governments and Politics of Japan and Korea 3 hrs, 3 cr. Political, social, and economic institutions of Japan and Korea; their domestic politics and relations with the world.

POLSC 256 Governments and Politics in South and Southeast Asia 3 hrs, 3 cr. Political, economic, and social institutions of India, Cambodia, Viet Nam, Indonesia, Thailand, etc.

POLSC 257 Government and Politics of China 3 hrs, 3 cr. Chinese communist political theory, institutions, and foreign policy.

POLSC 263 Governments and Politics in the Middle East 3 hrs, 3 cr. Introduction to Islamic societies and their politics with particular attention to cultures of region.

POLSC 264 Government and Politics of Israel 3 hrs, 3 cr. Historic evolution of Jewish state and its political system, social issues, and foreign policy.

POLSC 265 Governments and Politics in Eastern Europe 3 hrs, 3 cr. Political, social, and economic institutions of individual Eastern European nations and their relations with USSR.

POLSC 267 The Politics of Southern Africa 3 hrs, 3 cr. Political, economic, and social institutions in Zimbabwe, Kenya, Nigeria, Tanzania, South Africa, etc.

POLSC 268 The Question of Ireland 3 hrs, 3 cr. Addresses lingering problems of Irish nationalism and identity in light of historical experience. Considers the two Irish states, role of English, and role of American Irish community.

POLSC 269 Governments and Politics of Northern Africa 3 hrs, 3 cr. Political, economic, and social institutions in Algeria, Tunisia, Morocco, Libya, etc.

POLSC 270 Black Revolution in Africa 3 hrs, 3 cr. Examination of varieties of revolution and socialism in Africa in post-independence era.

POLSC 272 Contemporary Issues in Comparative Politics 3 hrs, 3 cr. Selected topics in comparative politics. Past topics included comparative communism, Mideast foreign policy.

POLSC 279 Revolutionary Mass Movements: Communism, Fascism, Anarchism 3 hrs, 3 cr. Comparative study of radical social movements in 20th century, including Communist, Fascist, and Anarchist movements.

POLSC 305 Communist Political Systems 3 hrs, 3 cr. Origins and evolution of communist systems throughout world. Theory and practice: myth and reality.

POLSC 310 Comparative Legal Systems 3 hrs, 3 cr. Prereq: POLSC 111 or 238 or 340 or 341 or 343 or 375 or perm. inst. Comparative study of major legal traditions of modern world, including Common Law, Civil Law, Soviet, Islamic, Chinese, tribal, and hybrid systems.

POLSC 351 Government and Politics of the Soviet Union 3 hrs, 3 cr. Power and ideology in Soviet politics. Party and state; coercion and persuasion; class and minority policy; human rights.

POLSC 372 Contemporary Issues in Comparative Politics 3 hrs, 3 cr. Prereq: POLSC 113 or 114 or 116 or perm. inst. Selected topics in comparative politics.

International Politics

POLSC 271 International Politics in the Americas 3 hrs, 3 cr. Imperialism and dependency in Latin America, US public and private agencies, international organizations.



POLSC 273 Contemporary Issues in International Politics 3 hrs, 3 cr. Special issues in international politics. Past topics included the international law of energy, world water resources, war.

POLSC 274 American Foreign Policy 3 hrs, 3 cr. Personalities and processes in making, administering, and controlling our foreign policy. Crises and dilemmas.

POLSC 275 Statecraft and Diplomacy 3 hrs, 3 cr. International system in operation. Formal and informal modes of behavior among nation states.

POLSC 276 International Relations of Third World 3 hrs, 3 cr. Analysis of role played by Third World states in international arena, examining relations of developing nations with advanced industrialized states, socialist states, and other developing nations.

POLSC 277 Soviet-American Rivalry and Nuclear Arms Race 3 hrs, 3 cr. Examination of evolution of Soviet-American rivalry since end of World War II, with particular emphasis on nuclear arms race.

POLSC 278 International Organizations 3 hrs, 3 cr. Prereq: POLSC 115 or perm. inst. Powers, functions, and effectiveness of international institutions; emphasis on United Nations and regional organizations.

POLSC 373 Contemporary Issues in International Politics 3 hrs, 3 cr. Prereq: POLSC 115 or perm. inst. Selected topics in international politics.

POLSC 375 International Law 3 hrs, 3 cr. Case studies on nature, sources, practices, and efficacy of international law, principles, and rules.

POLSC 376 International Political Economy 3 hrs, 3 cr. Prereq: POLSC 114 or 115 or 243 or 271 or perm. inst. Critical issues facing international system, such as global inequality, new international economic order, role of multinational corporations, and neo-colonialism.

Special Programs

POLSC 411, 412 Seminar/Internship in New York City Government 2 sems, 4 hrs, 4 cr each sem. Prereq: perm. dept. POLSC 411 offered Fa, 412 offered Sp. Practical experience in city government and politics. Weekly seminars, monthly university-wide meetings.

POLSC 413, 414 Seminar/Internship in Comparative and International Politics 2 sems, 4 hrs, 4 cr each sem. Prereq: perm. dept. Practical experience in comparative and international politics and organizations. Weekly meetings.

POLSC 480 Seminar in Selected Problems of Political Science 3 hrs, 3 cr. Prereq: perm. dept, Jr/Sr only. Advanced seminar on selected topics.

POLSC 482 Seminar in Political Behavior 3 hrs, 3 cr. Prereq: perm. instr. Advanced seminar in public opinion, voting, mass politics. Major paper required.

POLSC 486 Senior Colloquium 3 hrs, 3 cr. Prereq: perm. dept. Advanced seminar. Major project and/or paper required.

POLSC 490 Independent Study Prereq: perm. instr.

POLSC 492 Honors Required for departmental honors. Prereq: perm. dept. and instr.

Psychology

Department Office North Building room 611, phone 772-5550

Chair Stanley Novak

Assistant to Chair Sally Cochran

Professors Chase, Denmark, Fried, Gordon, Harding, Kaufmann, Korn, Krauss, Manning, Moller, Rettig, Thompson, Topoff, Turkewitz, Weiss, Zeigler

Associate Professors Barr, Chodorow, Klass, Novak, Rabinowitz, Seegmiller, Slochower

Assistant Professors Chen, Davage

Instructor DeFour

Undergraduate Advisors (day) Vita Rabinowitz (evening) Bonnie Seegmiller

Graduate Advisor Salomon Rettig

The Hunter College psychology program spans the diverse areas of psychology from experimental, biopsychological, and physiological to clinical, social, and developmental.

Although we are a large department, students have personal contact with faculty through an extensive advisement system, involvement in departmental activities and committees, supervised field placement, and through experience in research laboratories under the guidance of a faculty mentor as part of our independent study and honors programs.

Our doctoral program in biopsychology and our master's program, which provides course concentration in a number of different areas within psychology, attract highly qualified faculty, offer opportunities for undergraduates to interact with graduate students, and provide a broad range of research options within the department. Qualified students in their senior year may be admitted to some graduate courses with the approval of the instructor and the department advisor. Our affiliation with the American Museum of Natural History permits undergraduates to join in research involving such species as electric fish, eels, and ants both in the field and at the Museum.

Departmental affiliation with many mental health and community organizations makes it possible for students to integrate their academic studies of personality, abnormal, and child psychology with supervised practical experience during field placement.

The psychology major—as part of the bachelor's degree program—prepares the student for many career possibilities in education, social and welfare services (e.g. welfare caseworker, adoption and foster-care worker), health services (e.g. psychology technician, community health educator, occupational therapist), and in industry (e.g. public relations worker, market research worker, personnel interviewer).

A background in psychology combined with special training in other disciplines may be especially useful in preparing for such other careers as nursing, speech pathology, social work, special education, counseling, music therapy, and dance therapy. Our undergraduate and graduate advisors can provide students with additional guidance and information regarding these and other career opportunities.

Special Programs

The MARC Program The Departments of Psychology, Anthropology, and Sociology jointly offer a program called MARC (Minority Access to Research Careers). This interdisciplinary research training program for talented minority juniors and seniors is funded by the Alcohol, Drug Abuse, and Mental Health Administration of the National Institutes of Mental Health. Participants receive a monthly stipend, tuition and fee remission; they take a special curriculum and get individualized research training in a variety of areas under the supervision of a faculty mentor. The program has

several levels of participation, and all minority students—especially freshmen and sophomores—intending to pursue a research-related career in the participating disciplines are urged to register with the program. Additional details and descriptive literature are available from the MARC program advisor in the Psychology Department.

Field Placement Program Offered as a 2-semester sequence, Psychological Services I and II (PSYCH 306 and 307) give enrolled students practical supervised career experience one day per week in an approved mental health or community service setting.

Distribution Requirement We suggest, but do not require, that students who intend to continue the study of psychology on the doctoral level elect Russian, German, Spanish, or French to meet the foreign language portion of the distribution requirement. Of particular relevance to psychology majors are courses in anthropology, biology, chemistry, computer science, mathematics, physics, and sociology.

Exemptions A student may be exempt from PSYCH 100 by passing an examination (CLEP) given at various testing centers. Interested students should contact the Office of Student Services for further details and application forms. A passing grade provides 3 credits.

Psychology Major The major consists of 26 credits in psychology, including PSYCH 100, one other 100-level course, PSYCH 206 (Statistics) PSYCH 304 or 305 (Experimental Psychology) and 4 elective courses in psychology. Two of the elective courses must be *at least* at the 200-level, and two of the elective courses must be *at least* at the 300 level. Most psychology majors intending to attend graduate school take more than the minimum 26 credits in psychology. We recommend that all psychology majors see an undergraduate advisor for assistance in program planning and that the major be declared as soon as possible.

Minor A minor consists of 12 credits in an area or areas related to the major. Psychology majors may elect their 12 credits from anthropology, biology, chemistry, computer science, physics, physiology, political science, sociology, or statistics. Other minors may be granted after consultation with the faculty advisor. The department does not control the choice of courses for the minor, but advisors may suggest groups of courses especially suited to the students' interests and career goals.

COURSE LISTINGS

PSYCH 100 Introduction to Psychology 3 hrs, 3 cr. Normal and disordered individual behavior and group processes; biological and social bases.

PSYCH 140 Psychology of Adjustment 3 hrs, 3 cr. Prereq: PSYCH 100. Styles of adjustment; social interaction; self-concept and self-esteem; stress management; alienation; failures of adjustment.

PSYCH 150 Human Development 3 hrs, 3 cr. Prereq: PSYCH 100. Development from infancy through the senior years; biological, physiological, social factors at each age.

PSYCH 160 Evolution and Behavior 3 hrs, 3 cr. Prereq: PSYCH 100. Aggression, sleep, etc., in human and other species; underlying mechanisms, development, evolutionary history.

PSYCH 170 Psychology of Human Sexuality 3 hrs, 3 cr. Prereq: PSYCH 100. Psychological foundations, sexual development and response patterns; male and female roles; attitudes, legal issues.

PSYCH 180 Brain and Behavior 3 hrs, 3 cr. Prereq: PSYCH 100. Brain structure, function, and relation to behavior. Topics include perception, consciousness, motivation, emotion.

PSYCH 195 Special Topics in Psychology 3 hrs, 3 cr. Prereq: PSYCH 100. Readings and discussions on a selected problem or topic area. Topics vary from semester to semester.

PSYCH 201 Independent Study in Psychology 3 hrs, 3 cr. Prereq: 6 cr in PSYCH courses and perm. inst. Independent readings, tutorials, research project, or participation in ongoing research, culminating in a written report.

PSYCH 206 Statistical Methods in Psychological Research 4 hrs, 4 cr. Prereq: PSYCH 100 and minimal Hunter College proficiency in mathematics. Analysis and interpretation of quantified data. Descriptive and inferential statistics applied to psychological research.

PSYCH 210 Child Psychology 3 hrs, 3 cr. Prereq: 6 cr in PSYCH courses. Emotional, social, motor, and cognitive development as influenced by genetic, cultural, and individual factors. (Not open to education minors.)

PSYCH 212 Psychology of Exceptional Children 3 hrs, 3 cr. Prereq: PSYCH 150 or 210 or EDUC 209. Special problems of adjustment and training of exceptional children, including the gifted, as well as the intellectually, emotionally, and physically handicapped.

PSYCH 215 Introduction to Research Methods in Psychology 3 hrs, 3 cr. Prereq: 6 cr in PSYCH courses. Evaluation of published research, research principles, underlying concepts, methodological alternatives.

PSYCH 220 Personality 3 hrs, 3 cr. Prereq: 6 cr in PSYCH courses. Review of methods of assessing and understanding individual personality; of contributions to understanding of normal personality by Freudian and other analytic schools; of Allport and of constitutional typologists.

PSYCH 223 Abnormal Psychology 3 hrs, 3 cr. Prereq: 6 cr in PSYCH courses. Consideration of psychological abnormalities; symptoms, etiology, diagnostic procedures, and therapy.

PSYCH 230 Social Psychology 3 hrs, 3 cr. Prereq: 6 cr in PSYCH courses. Theories and research on social perception, attitudes and prejudice, leadership, group processes.

PSYCH 235 The Psychology of Women 3 hrs, 3 cr. Prereq: 6 cr in PSYCH courses. Psychological functioning, sexuality, pregnancy, social roles and status, aging, achievement, life styles, power.

PSYCH 240 Applications of Psychology 3 hrs, 3 cr. Prereq: 6 cr in PSYCH courses. Business and law, consumer research, personnel selection and training, morale in industry, safety programs, testimony.

PSYCH 250 Physiological Psychology 3 hrs, 3 cr. Prereq: 6 cr in PSYCH courses. Neural and endocrine mechanisms involved in learning, emotion, perception, other psychological processes.

PSYCH 255 Biopsychology 3 hrs, 3 cr. Prereq: 6 cr in PSYCH courses or perm. inst. Adaptation, survival, reproduction, and evolution of behavior, emphasizing development and species-comparison.

PSYCH 270 Cognitive Processes 3 hrs, 3 cr. Prereq: 6 cr in PSYCH courses. Theoretical issues and research pertaining to coding memory, problem solving, language, attention, perception.

PSYCH 280 History of Psychology 3 hrs, 3 cr. Prereq: 6 cr in PSYCH courses. Introspective, behavioristic, gestalt, psychoanalytic, and related viewpoints developed from early philosophic roots.

PSYCH 290 Sensation and Perception 3 hrs, 3 cr. Prereq: 6 cr in PSYCH courses. Stimulus detection, encoding, and perception as a function of variables including current stimuli and past history.

PSYCH 295 Special Topics in Psychology 3 hrs, 3 cr. Prereq: 6 cr in PSYCH courses or perm. inst. Readings and discussion on a selected problem or topic area. Topics will vary from semester to semester.

PSYCH 304 Experimental Psychology: Social 6 hrs (2 lec, 4 lab), 4 cr. Prereq: PSYCH 206. Research and experimental techniques relevant to social behavior. Reports involve laboratory and field exercises.

PSYCH 305 General Experimental Psychology 6 hrs (2 lec, 4 lab), 4 cr. Prereq: PSYCH 206. Research and experimental techniques in study of behavior. Reports involve variety of laboratory exercises.

PSYCH 306 Seminar in Psychological Services I 8 hrs, 4 cr. Prereq: PSYCH 223 or 312 and perm. inst. Interview required. Helping process and helper. Seminar and placement in mental health/community service setting.

PSYCH 307 Seminar in Psychological Services II 3 hrs, 3 cr. Prereq: PSYCH 306 and perm. inst. Integration of personality and abnormal psychology. Seminar and placement in mental health/community service setting.

PSYCH 309 Sex and Behavior 3 hrs, 3 cr. Prereq: 6 cr in PSYCH at or above the 200 level or perm. inst. Sex-related behavior in human and non-human animals emphasizing evolutionary and neuroendocrinological processes.

PSYCH 310 Research Methods and Special Problems in Child Development 4 hrs (2 lec, 2 lab), 3 cr. Prereq: PSYCH 150 or 210 and perm. inst. Theory and research in child development, with laboratory exercises in selected problems.



PSYCH 322 Problems in Psycholinguistics 3 hrs, 3 cr. Prereq: PSYCH 270 or perm. inst. Psychological and psychophysical correlates of language from experimental and theoretical perspectives.

PSYCH 323 Child Psychopathology 3 hrs, 3 cr. Prereq: PSYCH 212 or 223. Survey and evaluation of empirical and theoretical approaches to the major psychological abnormalities that arise in childhood and adolescence; their characteristics, causes, and treatments.

PSYCH 326 Psychoanalytic Theories 3 hrs, 3 cr. Prereq: PSYCH 220. Historical, theoretical, empirical approaches. Evaluation and integration with learning and ethological theory.

PSYCH 327 Motivation 3 hrs, 3 cr. Prereq: 6 cr in PSYCH courses at or above the 200 level or perm. inst. The problem of how behavior is initiated, maintained, directed, terminated. Human and non-human research evaluated.

PSYCH 328 States of Consciousness 3 hrs, 3 cr. Prereq: 6 cr in PSYCH courses at or above the 200 level. Consciousness and means by which it may be altered; hypnosis, dreams, drugs, meditation, and mysticism; psychosis.

PSYCH 350 Learning Theory 3 hrs, 3 cr. Prereq: 6 cr in PSYCH courses at or above the 200 level or perm. inst. Human and animal learning; systematic theory and methodology; historical and contemporary major theories.

PSYCH 361 Psychological Tests 3 hrs, 3 cr. Prereq: PSYCH 206. Measuring general ability, aptitude, achievement, interest, personality. Appraisal of psychological tests.

PSYCH 369 Drugs and Behavior 3 hrs, 3 cr. Prereq: PSYCH 250 or perm. inst. Neurochemical substrata of brain functioning. Historical context and social ramifications of drug use.

PSYCH 370 Psychology of Cognitive Development 3 hrs, 3 cr. Prereq: PSYCH 270 or perm. inst. A comparative information processing perspective of the development of mental structure and functioning, including perception, memory, problem solving, self-awareness of thinking, intelligence, concept formation, and language development.

PSYCH 380 Microcomputers in Psychological Research 3 hrs, 3 cr. Prereq: PSYCH 206, 304 or 305, and perm. inst. Programming psychological experiments by microcomputer. Providing an introduction to the fundamentals of microcomputer programming and digital electronics, including the structure of a computer language (BASIC), digital logic, interfacing, and computer memory.

PSYCH 395 Special Topics in Psychology 3 hrs, 3 cr. Prereq: 6 cr in PSYCH courses at or above the 200 level or perm. inst. Readings and discussion on selected problem or topic area. Topics vary from semester to semester.

PSYCH 399 Independent Research in Psychology 3 hrs, 3 cr. Prereq: PSYCH 304 or 305 and perm. inst. Independent reading, tutorials, research project, or participation in ongoing research, culminating in written report.

PSYCH 490 Honors in Psychology 3 hrs, 3 cr. Prereq: PSYCH 304 or 305; and psychology GPA 3.5; general GPA 3.0; and perm. inst. Independent sponsored research and seminar. Attendance at regularly scheduled seminar and research report required.

PSYCH 491 Honors in Psychology 3 hrs, 3 cr. Prereq: PSYCH 490. Independent sponsored research and seminar. Attendance at regularly scheduled seminar and research report required.

PSYCH 495 Special Topics in Psychology 3 hrs, 3 cr. Prereq: 6 cr in PSYCH courses at or above the 200 level or perm. inst. Readings and discussion on selected problem or topic area. Topics vary from semester to semester.

Religion

Program Office West Building room 1241, phone 772-4986

Coordinating Committee Cuddihy (Sociology), Elder (co-chair, Religion), Green (Classical & Oriental Studies), Muyskens (Philosophy), Richards (Black & Puerto Rican Studies), Seltzer (History), Sproul (co-chair, Religion)

In the Program in Religion, students examine the nature of religion and the forms its various expressions have taken. Religion is studied as an academic discipline, and the program's approach reflects no doctrinal bias. The purposes of the program are to introduce the field of religion in general; to present the thoughts, documents, and history of major religious traditions (both Eastern and Western, ancient and modern, missionary and tribal); and to give students insight into specific religious issues and thinkers.

The Program in Religion consists of a series of core courses taught by specialists in the field, augmented by other religion courses offered by staff in 10 participating departments or divisions: anthropology, Black & Puerto Rican studies, Chinese, classics, English, geography, Hebrew, history, philosophy, and sociology. The program is divided into 5 categories of courses:

- I. Introduction to the field of religion (basic introductory courses);
- II. Theoretical studies in religion (courses focusing on different methodological approaches to the study of religion);
- III. Issues in religion (courses dealing with religious experience, faith, ethics, religion and the arts);
- IV. Religious traditions (courses in major religious traditions);
- V. Related courses.

Distribution Requirement The distribution requirement in humanities and the arts (category V) may be fulfilled by REL 110, 111, 204, 205, 207, 251, 252, or 254. No courses offered toward the fulfillment of the major or minor in religion can also be used to fulfill the distribution requirement.

Major (24 cr) At least 18 credits are to be taken from the following 4 categories: I. introduction to the field of religion; II. theoretical studies in religion; III. issues in religion; and IV. religious traditions. Normally, both introductory courses (REL 110, 111) must be taken and followed by at least one course in theoretical studies, one in religious issues, and one in religious traditions. No more than 2 courses from category V (related courses) may be applied toward the major.

Upon becoming a major, the student, in consultation with the chair, will select one member of the Program in Religion staff as his or her major advisor. Each religion major is required to consult with this advisor at least twice a year.

Minor Religion majors may minor in any discipline at Hunter which has a major or in Education.

COURSE LISTINGS

I. Introduction to the Field of Religion

REL 110 Nature of Religion 3 hrs, 3 cr. Study of basic facets of religion: God, ethics, worship, faith, myth, ritual, symbolism, etc.

REL 111 Approaches to Religion 3 hrs, 3 cr. Different understandings of religion: sociological, anthropological, psychological, philosophical, theological.

II. Theoretical Studies in Religion

ANTHC 307 Anthropology of Religion 3 hrs, 3 cr. Emphasis on non-Western societies, theories of religion and ritual; functions and symbolic meanings.

GEOG 348 Geography of Religion 3 hrs, 3 cr. Prereq: GEOG 101 or REL 110 or 111 or perm. inst. Offered on demand. Geographic views of religion and religious phenomena. Origin, diffusion, distribution; pilgrimages, environmental impact.

PHILO 242 Philosophy of Religion 3 hrs, 3 cr. Prereq: 1 course in philosophy or religion. Philosophical examinations of religious questions and beliefs.

SOC 205 Sociology of Religion 3 hrs, 3 cr. Prereq: SOC 121 or perm. inst. Comparative functional study of religion in human societies. Analysis of beliefs, myths, and sacred attitudes.

REL 305 Theoretical Studies in Religion 3 hrs, 3 cr. Specialized study of a methodological approach to study of religion. Different topic each time offered.

III. Issues in Religion

REL 204 Religious Experience 3 hrs, 3 cr. Cross-cultural analysis of religious experiences: Biblical, ancient Greek, Asian, modern Western.

REL 205 Contemporary Religious Thought 3 hrs, 3 cr. Examination of questions of faith and disbelief in modern Western thought.

REL 207 Religious Sources for Morality 3 hrs, 3 cr. Religious reasons for determining good and evil; religious sources for ethical decisions.

REL 306 Issues in Religion 3 hrs, 3 cr. Study of particular religious topics or thinker. Different subject each time offered.

REL 307 Religious Ideas in Modern Fiction 3 hrs, 3 cr. Exploration of religious themes in modern fiction.

REL 308 Religion and the Arts 3 hrs, 3 cr. Examination of religious themes in art, music, theatre, cinema, or literature. Different topics each time offered.

REL 310 The Meaning of Death 3 hrs, 3 cr. Consideration of the meaning of death in major world religions.

IV. Religious Traditions

REL 251 Eastern Religions 3 hrs, 3 cr. Study of Hinduism, Buddhism, Jainism, Taoism, and Confucianism.

REL 320 Hinduism 3 hrs, 3 cr. Study of Hinduism, its development, history, literature, philosophy, and religious practices.

REL 321 Buddhism 3 hrs, 3 cr. Study of Buddhism, its development, history, literature, philosophy, and religious practices.

PHILO 234 Asian Philosophies 3 hrs, 3 cr. Prereq: 1 course in philosophy or perm. inst. Readings from classics of Indian, Chinese, and Japanese philosophy drawn from the traditions of Buddhism, Hinduism, Taoism, and Confucianism.

BLPR 220 Afro-American Humanism 3 hrs, 3 cr. Investigation into nature and expression of unique ethos which made for survival of Afro-American humanity.

BLPR 322 African World View: Philosophy and Symbolic Thought 3 hrs, 3 cr. Prereq: BLPR 222 or perm. inst. In-depth examination of African religious thought with emphasis on philosophical concepts that underlie African civilization.

BLPR 323 Islam and Christianity in Africa 3 hrs, 3 cr. Prereq: BLPR 222 or perm. inst. Examination of relationship of Islam and Christianity to primary African religion, and their political role in African history.

BLPR 362 Folk Religion in Puerto Rico 3 hrs, 3 cr. Prereq: BLPR 141 or 243. Reading knowledge of Spanish suggested. Analysis of roots of folk religion in Indian, African, and Spanish cultures. Religious syncretisms, popular imagery, and ritual practices.

BLPR 420 The Black Church and Social Change 3 hrs, 3 cr. Prereq: BLPR 201.01 or 201.2 or perm. inst. In-depth study of socio-political role of Black church in political struggle of Black people, with special emphasis on America.

REL 252 Ancient Near Eastern Religions 3 hrs, 3 cr. Study of Egyptian religion, religions of Sumer and Babylonia, religion of the early Hebrews (including the Old Testament).

HEBR 259 Old Testament Religion 3 hrs, 3 cr. Comprehensive survey of ancient Israelite religious practice, expression, and thought as reflected in Hebrew Bible.

HEBR 286 Ancient Near Eastern Literature 3 hrs, 3 cr. Comparative study of Ancient Near Eastern literature and Hebrew Bible.

HEBR 292 Hebrew Prophets 3 hrs, 3 cr. Study of phenomenon of prophecy in ancient Israel and its contribution to historical, ethical, and religious thought.

HEBR 294 Job, Ecclesiastes, and the Human Predicament 3 hrs, 3 cr. Study of form, content, and religious significance of these two enigmatic masterworks.

HIST 210 History of Judaism 3 hrs, 3 cr. Survey of Jewish religious tradition with attention to interactions between Judaism and other religions, and to role of Judaism in formation of Christianity and Islam.

HIST 309 Jewish History in the Ancient World 3 hrs, 3 cr. Not open to freshmen. Jewish people from origins to late antiquity; social and intellectual developments from biblical to Talmudic eras.

HIST 310 Jewish History in Medieval and Early Modern Periods 3 hrs, 3 cr. Not open to freshmen. Jewish people from late antiquity to 17th century; social and legal status under Islamic and Christian rulers; religious and intellectual movements.

HIST 320 Jewish History in Modern World 3 hrs, 3 cr. Not open to freshmen. From 18th century to present: Enlightenment, emancipation, nationalism, and Jewish State; anti-Semitism and Holocaust; recent trends.

REL 322 Islam 3 hrs, 3 cr. Study of Islam, its development, history, literature, philosophy, and religious practices.

REL 324 Islam and Buddhism 3 hrs, 3 cr. Study of Islam and Buddhism, their founders, development, beliefs, rituals, and interaction.

CLA 303 Religion of Ancient Greece 3 hrs, 3 cr. Ancient Greek religious experience: official rites, mystery cults, oracles, personal religious belief and practice.

CLA 304 Pagans and Christians 3 hrs, 3 cr. Transformation of classical culture in late antiquity: religion, philosophy, mysticism, magic, astrology.

REL 330 New Testament Religion 3 hrs, 3 cr. Scholarly consideration of religion of New Testament: the mystery of Jesus Christ, Paul's message, ethics, relation to the Law of Judaism, salvation theology, apocalyptic thinking.

HIST 314 History of Christianity I 3 hrs, 3 cr. From Jesus to Luther; mysticism, theology, monasticism, the Papal church and its critics.

HIST 315 History of Christianity II 3 hrs, 3 cr. Not currently given.

HIST 316 History of Religion in the United States 3 hrs, 3 cr. Changing European churches and indigenous American sects: their architecture, leaders, and ideas.

REL 254 Tribal Religions: From Australia to the Americas 3 hrs, 3 cr. Study of indigenous religions of Pacific Islanders and North American Indians.

REL 325 Seminar in Religious Traditions 3 hrs, 3 cr. Specialized study of specific religious tradition or group of traditions. Different topic each time offered.

REL 410 Independent Study in Religion Hrs TBA, 1 to 6 cr. Prereq: perm. chair; majors only. Individual research and writing on topic in religion under supervision of a religion professor.

REL 490 Honors Tutorial in Religion Hrs TBA, 3 or 6 cr. Prereq: perm. chair; majors only. Individual research and writing on topic in religion under supervision of Religion Honors Committee.

CLA 101 Classical Mythology 3 hrs, 3 cr. Greek and Roman myth as represented in ancient art and literature, with emphasis on modern interpretations and theories.

CLA 302 Comparative Backgrounds of Classical Mythology 3 hrs, 3 cr. Mythological systems that bear on classical myth, including Egyptian, Mesopotamian, Hittite, Ugaritic, and Celtic myths.

HEBR 288 Ancient Hebrew Folklore 3 hrs, 3 cr. Analysis and comparative study of folk beliefs, practices, and literature reflected in Hebrew Bible, apocryphal literature, and Rabbinic Aggadah.

HEBR 290 Biblical Archeology 3 hrs, 3 cr. Study of Biblical sources in translation in relation to major archeological discoveries in Israel and Near East.

HEBR 295 Ancient Hebrew Law 3 hrs, 3 cr. Historical and comparative study of Biblical and Rabbinic law.



V. Related Courses

ANTHC 306 Folklore and Myth 3 hrs, 3 cr. Cultural and psychological functions and symbolic meanings.

CHIN 111 Chinese Culture I 3 hrs, 3 cr. Introduction to Chinese cultural tradition with emphasis on classical tradition. Lectures and readings in English.

CHIN 112 Chinese Culture II 3 hrs, 3 cr. Emphasis on modern transformation against background of classical tradition. Lectures and readings in English.

Romance Languages

Department Office West Building room 1310, phone 772-5120

Chair Jeanine P. Plottel

Professors Agudiez, Caws, Charney, Fratti, Gutierrez-Vega, Hortas, Hughes, Jimenez, Knapp, Kneller, Mades, Manca, Plottel, Szogyi

Associate Professors Faillie, Horneffer, Nimetz, Pellicer, Przybos, Purczynsky, Rothschild

Assistant Professors Di Scipio, Feijoo, Lasry, Nebel, Perna, Sautman, Yudice

Lecturers Chace, Spitzer

Advisors (French) Cecile Insdorf, (Italian) Mario Fratti, (Spanish) Gladys Feijoo, Michael Perna

The Department of Romance Languages offers courses in the French, Italian, and Spanish languages and literatures designed to fulfill a major sequence or a minor sequence or, along with Portuguese, to satisfy the foreign language requirements. With a major, the student gains a ready command of the spoken language and its written form and a knowledge of the literature and civilization of the people who speak it. The Romance language major offers an oral and written command of 2 languages and a knowledge and understanding of 2 Romance literatures and civilizations.

Most language majors go into teaching. Majors who follow the appropriate sequence of courses in education become teachers in elementary, junior, or senior high school. Others use their language in bilingual education, interpreting, translating, business law, and international affairs.

Distribution Requirement

1. Students pursuing a new language will fulfill the language requirement in 4 college semesters by completing one of the following sequences:

- a. French: FRENCH 101, 102, 201, and 202.
- b. Italian: ITAL 101, 102, 201, and 202.
- c. Spanish: SPAN 101, 102, 201, and 202 or 103 and 203 or 205, 206, 207, and 208.

2. Students continuing a language studied for 1 year in high school need 3 additional college semesters:

- a. French: FREN 102, 201, and 202.
- b. Italian: ITAL 102, 201, and 202.
- c. Spanish: SPAN 102, 201, and 202 or 103 and 203 or 206, 207, and 208.

3. Students continuing a language studied for 2 years in high school need 2 additional college semesters:

- a. French: FREN 201 and 202.
- b. Italian: ITAL 201 and 202.
- c. Spanish: SPAN 201 and 202 or 203 or 207 and 208.

4. Students continuing a language studied for 3 years in high school need 1 additional college semesters:

- a. French: FREN 202.
- b. Italian: ITAL 202.
- c. Spanish: SPAN 202 or 208.

French Major (24 cr) FREN 341, 342, 344, 346, 348, 349; one course from FREN 343, 350, 351, and 375.

Italian Major (24 cr) ITAL 335, 336; 2 courses from ITAL 343, 344, 345; 2 courses from ITAL 346, 347, 348; 1 course from ITAL 349, 350, 351, and 375.

Spanish Major (24 cr) Prerequisites for all courses in the major are SPAN 341 and 342. Required courses are: 6 additional courses at the SPAN 343 level or higher. Of the 24 cr, 6 must be in the field of Spanish American literature and 6 in Spanish literature before the 19th century. Courses recommended before starting the program or during its early stages are: SPAN 221, 275/276, 311, 312, 335/336.

Romance Language Major (24 cr) Intended for students desiring to specialize in 2 Romance languages. Required: 12 cr in French, Italian, or Spanish—FREN 341, 342, 343, 344, ITAL 335, 336, or SPAN 341 and 342; plus 9 cr in advanced literature chosen after consultation with an advisor, plus 3 additional cr from FREN 375, ITAL 375, or SPAN 375.

Minor Students majoring in one (or more) Romance language(s) take, as a minor, 12 credits in one field of study, which must be approved by the departmental advisor. Students minoring in the Department of Romance Languages must consult with their major departmental advisor for course approval of their 12 minor credits.

Preparation for Teaching In cooperation with the Division of Programs in Education, the Department of Romance Languages provides opportunities for students to qualify for teacher certification in New York City or New York State. (Also consult the Education statement in this bulletin.)

To prepare for teaching at the secondary level, the student must take 1 of the following groups of courses:

EDUC 368 Methods of Teaching French in Secondary School (department prereq: FREN 311, 331; department coreq: FREN 321, 336).

EDUC 371 Methods of Teaching Spanish in Secondary School (department prereq: SPAN 311, 331; department coreq: SPAN 312, 335, or SPAN 336).

EDUC 374 Methods of Teaching Italian in Secondary School (department prereq: ITAL 311, 331; department coreq: ITAL 312 or 321).

Students preparing for elementary school teaching are urged to take advanced grammar and advanced composition courses (311 and 312) listed among the various Romance languages.

Credit 1-semester courses in the department will be credited singly, except FREN 101–102, ITAL 101–102, SPAN 101–102.

Electives All courses offered by the department are open to qualified students for credit. For placement, consult department.

Honors Students qualified to graduate with departmental honors must take an honors course or equivalent approved by departmental advisor. In addition, students must present an honors paper to the department's Committee on Honors.

Graduate Study Qualified students in their senior year may be admitted to graduate courses. Permission must be secured from the chair and then forwarded to the divisional dean. Consult Bulletin of Graduate Programs for requirements and regulations.

COURSE LISTINGS

Division I French

There are 3 options for students beginning French at Hunter. A regular sequence (FREN 101, 102, 201, 202); an audio-visual sequence (FREN 101 AV, 102 AV, 201 AV, 202 AV) which emphasizes speaking, and an intensive sequence (FREN 103, 203) which covers in 2 semesters material normally covered in 4.

FREN 101 Elementary French I 3 hrs, 3 cr. Language lab mandatory. Not credited without FREN 102.

FREN 102 Elementary French II 3 hrs, 3 cr. Language lab mandatory. Prereq: FREN 101 or 1 yr of high school French.

FREN 102.50 "En Route to France": Beginning French Conversation and Cultural Enrichment 2 hrs, 2 cr. Coreq: FREN 102. Not credited toward language requirement. Conversational practice, cultural texts, and activities for 2nd semester French students.

FREN 103 Intensive Elementary French 6 hrs, 6 cr. Language lab mandatory. Covers in 1 semester material normally covered in 2. Offered Fa.

FREN 201 Intermediate French I 3 hrs, 3 cr. Prereq: FREN 102 or 2 yrs of high school French.

FREN 202 Intermediate French II 3 hrs, 3 cr. Prereq: FREN 201 or 3 yrs of high school French or grade of A in FREN 102.

FREN 203 Intensive Intermediate French 6 hrs, 6 cr. Language lab mandatory. Covers in 1 semester material normally covered in 2. Prereq: FREN 102 or 2 yrs of high school French. Offered Sp.

FREN 101 AV, 102 AV, 201 AV, 202 AV 3 hrs, 3 cr each. Elementary and Intermediate French in audio-visual method.

FREN 220 Advanced French Conversation 3 hrs, 3 cr. Prereq: FREN 202 or 4 yrs of high school French. Offered D.

Note: FREN 241 through 262 may not be offered on a regular basis.

FREN 241 Early French Civilization: From Gothic to Revolution* 3 hrs, 3 cr. Conducted in English; readings in English.

FREN 242 Modern French Civilization: From Revolution to Present* 3 hrs, 3 cr. Conducted in English; readings in English.

FREN 251 French Literature and the Arts* 3 hrs, 3 cr. Conducted in English; readings in English and French. Particular attention to theme, image and structure as they may be compared in literary and artistic works.

FREN 252 From Symbolism to Surrealism in French Literature* 3 hrs, 3 cr. Conducted in English; readings in English. Impressionist, symbolist, cubist, Dada, and surrealist movements in literature and art from the late 19th to 20th century.

FREN 253 Modern French Theatre: Theory and Practice* 3 hrs, 3 cr. Conducted in English. Giraudoux, Sartre, Camus, Beckett, Ionesco.

FREN 254 Film and the French Novel* 3 hrs, 3 cr. Conducted in English. Truffaut, Godard, Resnais, Robbe-Grillet, and others.

FREN 255 New Approaches to Modern French Literature* 3 hrs, 3 cr. Conducted in English; readings in French and English. Investigation of various currents of 20th-century literary and aesthetic criticism as practiced in France.

FREN 256 Dream and Image** 3 hrs, 3 cr. Conducted in English. Descartes, La Fontaine, Racine, Diderot, Nerval, Balzac, Hugo, Baudelaire, Gautier, Rimbaud, Lautréamont, Breton, Artaud, Proust.

FREN 257 Literary Cross-Currents* 3 hrs, 3 cr. Conducted in English. Prereq: Reading knowledge of French. Topics: Interaction of French and Russian literature, of French and American literature; the myth of Germany in French literature; Shakespeare in France; Dante and French literature.

FREN 258 French Poetry in Translation 3 hrs, 3 cr. Conducted in English. Study of major themes, theories, and texts from 16th century to contemporary period.

FREN 259 French Theatre in Translation* 3 hrs, 3 cr. Conducted in English; readings in English. Development of French theatre from 17th to 20th century. Great plays that have become known in English translation.

FREN 260 French Novel in Translation (1600–1900)* 3 hrs, 3 cr. Readings in English; conducted in English. Development and evolution of French novel; its relationship to other literary genres.

FREN 261 Modern French Novel in Translation (1900–Present)** 3 hrs, 3 cr. Conducted in English; readings in English. From Gide and Proust to present.

FREN 262 Perspectives of Women in French Literature* 3 hrs, 3 cr. Conducted in English; readings in English. Women as seen by artists and writers of both sexes. Outlook of woman writer or artist as it differs from that of man.

FREN 275 Selected Masterpieces of French Literature** 3 hrs, 3 cr. Pre-

req: FREN 202 or 4 yrs of high school French. Readings in French of some outstanding works of French literature. Emphasis on development of selected genres or literary themes.

FREN 310 French for Reading and Research 3 hrs, 3 cr. Prereq: FREN 202. Conducted in English and, whenever possible, in French; readings in French. Designed for acquisition of and workable reading knowledge of the language.

FREN 311 Advanced French Grammar 3 hrs, 3 cr. Prereq: FREN 202. Offered D/Fa, E/Sp.

FREN 312 French Oral and Written Expression 3 hrs, 3 cr. Prereq: FREN 202 or equiv. Offered D/Sp, E/Fa.

FREN 321 French Translation 3 hrs, 3 cr. Prereq: FREN 202 or equiv. Offered D/Sp.

FREN 331 French Phonetics and Diction 3 hrs, 3 cr. Prereq: FREN 202.

FREN 336 French Civilization and Culture 3 hrs, 3 cr. Prereq: FREN 202. Offered every other yr. Geography, history, and institutions of France.

FREN 340 Perspectives on Literature and the Arts: Special Topics 3 hrs, 3 cr. Treated from the point of view of art and literature.

FREN 341 Survey of French Literature I 3 hrs, 3 cr. Prereq: FREN 202 or 4 yrs of high school French. Not open to students who take FREN 251. Offered every semester, alternating D and E. From Middle Ages through 17th century.

FREN 342 Survey of French Literature II 3 hrs, 3 cr. Prereq: FREN 202 or 4 yrs of high school French. Not open to students who take FREN 251. Offered every semester, alternating D and E. From 18th century to present.

FREN 343 Medieval and Renaissance French Literature 3 hrs, 3 cr. Prereq: FREN 342. Offered every year. From medieval epics, lyrical poetry, and mystery plays to writers such as Scève, Du Bellay, Ronsard, Rabelais and Montaigne.

FREN 344 17th-century French Literature 3 hrs, 3 cr. Prereq: FREN 342 or perm. dept. Offered every year. Malherbe, Corneille, Racine, Molière, Boileau, LaFontaine, Bossuet, Pascal, Mme. de Lafayette, Mme. de Sévigné, La Bruyère, etc.

FREN 345 The 17th Century: Special Topics 3 hrs, 3 cr. Prereq: FREN 344.

FREN 346 18th-century French Literature 3 hrs, 3 cr. Prereq: FREN 342 or perm. dept. Offered every year. Montesquieu, Voltaire, Diderot, Rousseau, Marivaux, Buffon, Beaumarchais, Chénier, etc.

FREN 347 The 18th Century: Special Topics 3 hrs, 3 cr. Prereq: FREN 346.

FREN 348 19th-century French Literature (1800–1850) 3 hrs, 3 cr. Prereq: FREN 342 or perm. dept. Offered every year. Madame de Staël, Chateaubriand, Lamartine, Vigny, Hugo, Musset, Gautier, Stendhal, Balzac.

FREN 349 19th-century French Literature (1850–1900) 3 hrs, 3 cr. Prereq: FREN 342 or perm. dept. Offered every year. Sainte-Beuve, Leconte de Lisle, Renan, Taine, Flaubert, Verlaine, Rimbaud, Baudelaire, Mallarmé, Zola, Daudet, Maupassant, France, Barrès.

FREN 350 20th-century French Literature to 1930 3 hrs, 3 cr. Prereq: FREN 342 or perm. dept. Offered every year. Péguy, Apollinaire, Claudel, Valéry, Proust, Gide, Romain, Cocteau, Eluard, Aragon.

FREN 351 20th-century French Literature from 1930 to the Present 3 hrs, 3 cr. Prereq: FREN 342 or perm. dept. Offered every year. Poets and prose writers.

FREN 353 Haitian & Afro-French Literature 3 hrs, 3 cr. Prereq: FREN 202 or 275 or 341. Offered D/Sp. Writers of francophone Africa and Antilles: Camara Laye, Léopold Senghor, Birago Diop, Ferdinand Oyono, Aimé Césaire, Bernard Dadié, Mongo Beti, and Cheik Hamidou Kane.

FREN 375 Seminar in French Literary History 3 hrs, 3 cr. Prereq: 5 courses in French major; required of all French majors in senior year, except by special exemption through examination. Offered D/Sp. Readings, discussion, and reports.

FREN 491 Honors Course in French 3 hrs, 3 cr. Prereq: FREN 344, 346, 348; Jr/Sr only; major GPA 3.2, cumulative GPA 2.8. Offered D/Fa. Research in history of French literature.

FREN 495 Independent Study in French Literature 1, 2, or 3 cr. Perm. advisor.

Division II Italian

There are 2 options for students beginning Italian at Hunter: a regular sequence (ITAL 101, 102, 201, 202) which emphasizes reading and writing; and an intensive sequence at the first-year level (ITAL 103) which covers in 1 semester material normally covered in 2.

ITAL 101 Elementary Italian I 3 hrs, 3 cr. Language lab. Not credited without ITAL 102.

ITAL 102 Elementary Italian II 3 hrs, 3 cr. Language lab. Prereq: ITAL 101 or 1 yr of high school Italian.

ITAL 102.51 Elementary Italian Conversation 2 hrs, 2 cr. Coreq: ITAL 102 or perm. instr. Not credited toward language requirement. Elementary Italian conversation at the 2nd-semester level.

ITAL 103 Intensive Elementary Italian 6 hrs, 6 cr. Language lab. Covers in 1 semester material normally covered in 2. Offered D/Fa.

ITAL 201 Intermediate Italian I 3 hrs, 3 cr. Prereq: ITAL 102 or 2 yrs of high school Italian.

ITAL 202 Intermediate Italian II 3 hrs, 3 cr. Prereq: ITAL 201 or 3 yrs of high school Italian or grade of A in ITAL 102.

ITAL 203 Intensive Intermediate Italian 6 hrs, 6 cr. Language lab mandatory. Prereq: ITAL 102 or 103. Covers in one semester material normally covered in 2.

ITAL 275 Masterpieces of Italian Literature** 3 hrs, 3 cr. Prereq: ITAL 202 or 4 yrs of high school Italian. Offered D/Fa, E/Sp. Selections from Dante to Leopardi.

ITAL 311 Advanced Italian Grammar 3 hrs, 3 cr. Prereq: ITAL 202 or equiv. Offered D/Fa.

ITAL 312 Advanced Italian Composition 3 hrs, 3 cr. Prereq: ITAL 311 or equiv. Offered D/Sp.

ITAL 321 Italian Translation 3 hrs, 3 cr. Prereq: ITAL 311 or equiv. Offered D/Fa.

ITAL 331 Italian Phonetics and Diction 3 hrs, 3 cr. Prereq: ITAL 202 or equiv. Offered D/every 3 sems.

ITAL 335 Italian Culture I 3 hrs, 3 cr. Prereq: ITAL 202 or 4 yrs of high school Italian. Offered D/Fa, E/Fa. main intellectual-artistic currents from 12th to 15th century.

ITAL 336 Italian Culture II 3 hrs, 3 cr. Prereq: ITAL 202 or 4 yrs of high school Italian. Offered D/Sp, E/Sp. Main intellectual-artistic currents from 16th to 20th century.

ITAL 341 Survey of Italian Literature I 3 hrs, 3 cr. Prereq: ITAL 202. Selections from Dante through Ariosto. Offered Fa.

ITAL 342 Survey of Italian Literature II 3 hrs, 3 cr. Prereq: ITAL 202. Selections from Tasso to contemporary works. Offered Sp.

ITAL 343 Dante I 3 hrs, 3 cr. Prereq: ITAL 202 or 4 yrs of high school Italian. Offered every third sem. *The Inferno*.

ITAL 344 Dante II 3 hrs, 3 cr. Prereq: ITAL 343. Offered every third sem. *Purgatorio* and introduction to *Paradiso*.

ITAL 345 Dante III 3 hrs, 3 cr. Prereq: ITAL 344. Offered every third sem. *Vita Nuova* and principal prose works.

ITAL 346 Petrarch and Boccaccio and the Literature of Humanism 3 hrs, 3 cr. Prereq: ITAL 335. Offered every third sem. *Il Canzoniere* and *Il Decamerone*.

ITAL 347 Machiavelli and Ariosto 3 hrs, 3 cr. Prereq: ITAL 335. Machiavelli and Ariosto. *Il Principe* and *Orlando Furioso*.

ITAL 348 Mannerism and Baroque Literature 3 hrs, 3 cr. Prereq: ITAL 336. Offered every third sem. Tasso, Marino, Della Valle, poets of the Arcadia.

ITAL 349 The Modern Italian Lyric 3 hrs, 3 cr. Prereq: ITAL 202. Offered every third sem. From Leopardi to contemporaries.

ITAL 350 The Modern Italian Novel 3 hrs, 3 cr. Prereq: ITAL 202. Offered every third sem. Novel from Manzoni to present.

ITAL 351 The Modern Italian Theatre 3 hrs, 3 cr. Prereq: ITAL 202. Offered every third sem. Plays of Goldoni, Manzoni, Alfieri, d'Annunzio, Pirandello, Bertolucci, and contemporaries.

ITAL 375 Seminar in Italian Literary History 3 hrs, 3 cr. Required of all Italian majors, except by special exemption through examination. Offered D/Sp. Readings, discussion, and reports.

ITAL 491 Honors Course in Italian 3 hrs, 3 cr. Prereq: at least 5 courses in Italian literature and civilization. Open Jr/Sr only with perm. chair. Major GPA 3.2, and general GPA 2.8.

ITAL 495 Independent Study in Italian Literature 1, 2, or 3 cr. Perm. dept. advisor.

Division III Spanish

There are 2 options for students beginning Spanish at Hunter: a regular sequence (SPAN 101, 102, 201, 202) which emphasizes reading and writing, and an intensive sequence (SPAN 103, 203) which covers in 2 semesters the material normally covered in 4. Students who learn Spanish at home from birth are to register for SPAN 205, 206, 207, 208.

SPAN 101 Elementary Spanish I 3 hrs, 3 cr. Language lab mandatory. Not credited without SPAN 102.

SPAN 102 Elementary Spanish II 3 hrs, 3 cr. Language lab mandatory. Prereq: SPAN 101 or 1 yr of high school Spanish.

SPAN 102.51 Elementary Spanish Conversation 2 hrs, 2 cr. Coreq: SPAN 102 or perm. instr. Elementary Spanish conversation at 2nd-semester level. Not open to native speakers.

SPAN 103 Intensive Elementary Spanish 6 hrs, 6 cr. Language lab mandatory. Covers in 1 sem. material normally covered in 2. Offered Fa.

SPAN 201 Intermediate Spanish I 3 hrs, 3 cr. Prereq: SPAN 102 or 2 yrs of high school Spanish.

SPAN 202 Intermediate Spanish II 3 hrs, 3 cr. Prereq: SPAN 201 or 3 yrs of high school Spanish or grade of A in SPAN 102.

SPAN 203 Intensive Intermediate Spanish 6 hrs, 6 cr. Prereq: SPAN 102 or 2 yrs of high school Spanish. Covers in 1 sem material normally covered in 2. Offered Sp.

SPAN 205 Basic Reading and Writing for Native Speakers of Spanish 3 hrs, 3 cr.

SPAN 206 Oral and Written Skills for Native Speakers of Spanish 3 hrs, 3 cr. Prereq: SPAN 205 or perm. dept.

SPAN 207 Intermediate Spanish for Native Speakers 3 hrs, 3 cr. Prereq: SPAN 206 or perm. dept.

SPAN 208 Advanced Spanish for Native Speakers 3 hrs, 3 cr. Prereq: SPAN 207 or perm. dept.

SPAN 210 Spanish for Social Service Fields 3 hrs, 3 cr. Prereq: SPAN 201 or equiv. Offered E.

SPAN 212 Spanish for Classroom Communication 3 hrs, 3 cr. Prereq: SPAN 201 or equiv. Offered Sp.

SPAN 221 Spanish for Oral Communication 3 hrs, 3 cr. Prereq: SPAN 202 or equiv and approval of Spanish advisor. Not open to native Spanish speakers. Offered D.

SPAN 263 Contemporary Spanish-American Literature in Translation* 3 hrs, 3 cr.

SPAN 264 Contemporary Spanish Literature in Translation* 3 hrs, 3 cr. Cela, Lorca, Unamuno, Ortega y Gasset.

SPAN 270 Spanish Composition for Spanish-speaking Students 3 hrs, 3 cr. Prereq: SPAN 208 or equiv.

SPAN 275 Readings in Modern Spanish Literature** 3 hrs, 3 cr. Prereq: SPAN 202 or 4 yrs of high school Spanish. offered D/Fa. Representative writers: Unamuno, Lorca, Cela.

SPAN 276 Readings in Modern Spanish-American Literature** 3 hrs, 3 cr. Prereq: SPAN 202 or 4 yrs of high school Spanish. offered D/Sp. Representative writers: Borges, Neruda, Cortazar, Garcia Marquez.

** Courses so marked are not credited toward major.

* Courses so marked are not credited toward the major or minor.

SPAN 311 Advanced Spanish Grammar 3 hrs, 3 cr. Prereq: SPAN 202 or equiv. Recommended to all Spanish majors. Offered D/E Fa.

SPAN 312 Advanced Spanish Composition 3 hrs, 3 cr. Prereq: SPAN 311. Recommended to all Spanish majors. Offered D/E Sp.

SPAN 321 Spanish Translation 3 hrs, 3 cr. Prereq: fluency in reading and writing Spanish and English. Offered D/every other yr.

SPAN 331 Spanish Phonetics and Diction 3 hrs, 3 cr. Prereq: SPAN 202 or equiv. Offered D/Fa, E/every other yr.

SPAN 335 Spanish Civilization 3 hrs, 3 cr. Prereq: SPAN 341. Offered D/Fa. Geographical, historical, political, literary, artistic, and industrial evolution of Spain.

SPAN 336 Latin American Civilization 3 hrs, 3 cr. Prereq: SPAN 341. Offered D/Sp. Geographical, historical, political, literary, artistic, and economic evolution of Latin American nations.

SPAN 341 Introduction to Hispanic Literature I 3 hrs, 3 cr. Prereq: SPAN 202 or equiv. SPAN 341 is prereq or coreq to all other courses in major sequence. Basic interpretive and research skills for Spanish majors and other qualified students through study of key works of Spanish and Spanish American authors.

SPAN 342 Introduction to Hispanic Literature II 3 hrs, 3 cr. Prereq: SPAN 341.

SPAN 343 Spanish Literature of the Middle Ages 3 hrs, 3 cr. Prereq: SPAN 341. Offered D/every other yr. Epic and lyric poetry, *Romancero*; origins of Spanish novel, *La Celestina*.

SPAN 344 Spanish Novel and Lyric Poetry of the Golden Age 3 hrs, 3 cr. Prereq: SPAN 341. D/every other yr. Lyric poetry of Renaissance and Baroque periods. Picaresque, Pastoral and Moorish novel. Mystics; *novelas ejemplares* of Cervantes.

SPAN 345 Spanish Drama of Golden Age 3 hrs, 3 cr. Prereq: SPAN 341. Offered D/Fa, E/Sp. Theatre of 16th and 17th centuries, Lope de Vega and Calderón.

SPAN 346 Cervantes 3 hrs, 3 cr. Prereq: SPAN 341. Offered D/Sp, E/Fa. *Don Quijote*.

SPAN 347 Spanish American Literature from Its Origins to Romanticism and Realism 3 hrs, 3 cr. Prereq: SPAN 341. Offered D/Fa, E/Fa. From Realism and Naturalism through Generation of 1898 and Modernism.

SPAN 348 Spanish Neoclassicism and Romanticism 3 hrs, 3 cr. Prereq: SPAN 341. Offered D/Fa. Representative works of Neoclassical and Romantic periods, including *costumbrismo*.

SPAN 349 Spanish Literature from Realism to World War I 3 hrs, 3 cr. Prereq: SPAN 341. Offered D/Sp. From Realism and Naturalism through the Generation of 1898 and Modernism.

SPAN 350 Spanish American Modernism and Postmodernism 3 hrs, 3 cr. Prereq: SPAN 341 and 347 or 348. Offered D/Sp, E/Sp. Modernist and Postmodernist authors.

SPAN 351 Contemporary Spanish Literature 3 hrs, 3 cr. Prereq: SPAN 341. Offered D/Fa, E/Sp. World War I to present.

SPAN 352 Contemporary Spanish American Literature 3 hrs, 3 cr. Prereq: SPAN 341. Offered D/Sp, E/Fa. From Vanguardist movement to present.

SPAN 362 Special Topics in Spanish Literature 3 hrs, 3 cr. Prereq: SPAN 347 or 348. May be repeated with different topic.

SPAN 363 Special Topics in Spanish American Literature 3 hrs, 3 cr. Prereq: SPAN 347 or 348. May be repeated with different topic.

SPAN 375 Seminar in Spanish Literary History 3 hrs, 3 cr. Recommended for seniors. Offered D/Sp. Readings, discussion, and reports.

SPAN 491 Honors Course in Spanish: Special Studies in Contemporary Latin American Literature 3 hrs, 3 cr. Prereq: Jr/Sr only with perm. advisor; major GPA 3.2; general GPA 2.8. Offered D/every other year. Group meetings, conferences, oral and written reports.

SPAN 492 Honors Course in Spanish: Special Studies in Spanish Literature 3 hrs, 3 cr. Prereq: Jr/Sr only with perm. advisor; major GPA 3.2; general GPA 2.8. Offered D/every other yr. Group meetings, conferences, oral and written reports.

SPAN 495 Independent Study in Hispanic Literature 1, 2, or 3 cr. Prereq: perm. dept.

Division IV Portuguese

PORT 101 Elementary Portuguese I 3 hrs, 3 cr. Language lab. Not credited without PORT 102. Offered D/Fa.

PORT 102 Elementary Portuguese II 3 hrs, 3 cr. Language lab. Prereq: PORT 101 or 1 yr of high school Portuguese. Offered D/Sp.

PORT 201 Intermediate Portuguese I 3 hrs, 3 cr. Prereq: PORT 102 or 2 yrs of high school Portuguese.

PORT 202 Intermediate Portuguese II 3 hrs, 3 cr. Prereq: PORT 201 or 3 yrs of high school Portuguese or grade of A in PORT 102.

PORT 260 Brazilian Narrative in 19th and 20th Centuries in Translation 3 hrs, 3 cr. Summary of literary trends in Brazilian literature after 1850: major literary figures of late 19th and 20th centuries. Conducted in English.

Russian and Slavic Languages

DIVISION OF CLASSICAL AND ORIENTAL STUDIES

Division Office West Building room 1330, phone 772-5060/59

Director Alex E. Alexander

Professors Alexander, Beaujour

Assistant Professor Draitser

Advisors (day) Elizabeth Beaujour, Emil Draitser (evening) Alex E. Alexander

The Russian Division offers a rich curriculum designed for students who seek competence in spoken and written Russian and a solid background and knowledge of Russian literature and culture. The Russian Division also offers a number of courses in two related Slavic languages, Polish and Ukrainian.

Courses in the division are recommended to students from other disciplines who wish to master the Russian language as a research tool or who seek to learn about Russian literature in translation. The important contributions being made by Russian scholars in chemistry, biology, mathematics, and other related fields make the study of Russian especially valuable to science majors.

Russian majors find employment in United States governmental agencies, the United Nations, broadcasting, banking, international commerce, education, library services, and other fields.

Distribution Requirement No more than 6 credits of the major or the minor may also be offered toward the distribution requirement.

The Foreign Language requirement (Category III) is satisfied by the following sequence of courses:

RUSS 101–102 or 103, 201, 202.

POL 101–102, 201, 202.

UKR 101–102, 201, 202.

Similar distribution is applicable to Polish or Ukrainian taken to fulfill language requirements. Students who have studied a foreign language abroad, or have had training in the language outside the public school system, and who desire advanced placement, should contact the division head.

The Humanities requirement (Category V-3) is satisfied by:

RUSS 155 The Culture of Old Russia

RUSS 156 The Culture of Imperial Russia

RUSS 157 Contemporary Russian Culture or

RUSS 255 Russian Folklore: Slavic Myths and Traditions

The Literature requirement (Category IV) is satisfied in part by:

RUSS 250, 251, 252, 253 or 254.

Major The Russian major consists of not less than 24 credits chosen from among courses in the language except RUSS 101 and 102.

I. Russian language sequence: for students who want to acquire native fluency in spoken and written Russian and a thorough knowledge of Russian literature.

II. Russian language and culture sequence: for students whose interests lie in the arts rather than in language. With the permission of the division head, a limited number of courses in translation may be applied to the major sequence.

Minor Not less than 12 credits from other disciplines. Consultation with the division head is recommended.

Preparation for Teaching In cooperation with the Division of Programs in Education, the major may prepare for a career in teaching on the secondary level. The specific requirements qualifying for the New York State certification and/or New York City licensing are described in the Programs in Education statement in this bulletin.

Electives All courses offered by the Russian Division are open to qualified students for elective credit.

Graduate Courses Qualified students may be admitted to some graduate literature courses with written permission of the division head.

COURSE LISTINGS

I. Russian Language

RUSS 101, 102 Elementary Russian 2 sems, 6 hrs, 6 cr. Introduction to Russian language. Practice in spoken Russian. Reading of simple texts.

RUSS 103 Elementary Russian (Intensive) 6 hrs, 6 cr. Intensive study of the Russian language. Two semesters in one.

RUSS 201 Intermediate Russian 3 hrs, 3 cr. Prereq: RUSS 102 or 103. Selected readings in prose. Continued practice in written and spoken Russian. Grammar review.

RUSS 202 Intermediate Russian Continued 3 hrs, 3 cr. Prereq: RUSS 201. Selected readings in Russian literature. Practice in oral and written expression.

II. Conducted In Russian

RUSS 301 Advanced Russian I* 3 hrs, 3 cr. Speaking, writing, and reading Russian. Sentence structure; oral and written reports.

RUSS 302 Advanced Russian II* 3 hrs, 3 cr. Reading and critical analysis of selected literary and journalistic texts. Consideration of levels of style, problems of idiom and syntax. Written and oral reports.

RUSS 312 Advanced Russian Conversation I* 3 hrs, 3 cr. Conversation and oral exercises; discussions based on readings of social and cultural interest. Introduction to oral interpreting.

RUSS 313 Advanced Russian Conversation II* 3 hrs, 3 cr. Literary, political, social, scientific vocabulary. Scholarly reports and practical exchanges on selected topics.

RUSS 314 Advanced Russian Grammar* 3 hrs, 3 cr. Intensive grammar review. Practice in written composition with aim of improving style. Word order and idiom.

RUSS 315 Advanced Russian Grammar and Stylistics* 3 hrs, 3 cr. Practice in written composition; consideration of verbal aspects, cases, syntax, and idiomatic language.

RUSS 317 Practical Aspects of Translation* 3 hrs, 3 cr. Introduction to techniques of translation. Translations of political, journalistic, commercial, scientific, and literary texts.

III. Literature Conducted In Russian

RUSS 321 Russian Short Story and Novella* 3 hrs, 3 cr. Analysis of various texts and readings from Gogol, Chekhov, Babel, Solzhenitsyn.

RUSS 322 Classical Russian Poetry 3 hrs, 3 cr. Major poets from the late 18th to mid-19th century, including Lomonosov, Derzhavin, Pushkin, Lermontov, and Nekrasov.

RUSS 323 Modern Russian Poetry 3 hrs, 3 cr. Major poets of the late 19th and 20th centuries, including Fet, Tyutchev, Blok, Mayakovsky, Esenin, Pasternak, Evtushenko.

RUSS 324 Literature of Kievan Rus' and Early Russian Literature through the Age of Classicism* 3 hrs, 3 cr. Major literary works of the Kievan period, 968 to 1237: *The Primary Chronicle*, *The Tale of Igor's Campaign*.

IV. Literature in the Original, Conducted in English

RUSS 245 Russian Folklore: Slavic Myths and Traditions* 3 hrs, 3 cr. Common Slavic myths, traditions, and social structures.

RUSS 246 Special Topics In Slavic Literature and Cultures* 3 hrs, 3 cr. Sample topic: the modern Soviet short story.

RUSS 340 19th-century Russian Literature* 3 hrs, 3 cr. Pushkin's *Eugene Onegin*, Lermontov's *Hero of Our Time*, Gogol's *Dead Souls*, Turgenyev's *Fathers and Sons*, and others.

RUSS 341 Tolstoy and Dostoevsky* 3 hrs, 3 cr. Major novels of Russia's two greatest writers. Tolstoy's *War and Peace*, *Anna Karenina*, Dostoevsky's *The Possessed*, and others.

RUSS 342 Modern Russian Literature* 3 hrs, 3 cr. Gorky, Mayakovsky, Olesha, Babel, Sholokhov, Bulgakov, Nabokov.

RUSS 343 Russian and Soviet Drama* 3 hrs, 3 cr. Follows development of Russian drama and theatre from early 19th century to present. Griboedov, Pushkin, Gogol, and others.

RUSS 344 The Silver Age of Russian Literature* 3 hrs, 3 cr. Major writers and movements of years 1890–1925. Short works by Chekhov, Sologub, Belyi, Blok, Akhmatova, Pasternak.

RUSS 491 Honors Project* 3 hrs, 3 cr. Prereq: Russian majors only. Essay.

V. Literature and Culture in English Translation

RUSS 155 The Culture of Old Russia 3 hrs, 3 cr. Religion, art, architecture, and daily life in medieval Russia.

RUSS 156 Culture of Imperial Russia 3 hrs, 3 cr. Consideration of major cultural movements of the Empire: baroque, classicism, romanticism.

RUSS 157 Contemporary Russian Culture 3 hrs, 3 cr. Begins with the innovative painting, architecture, and theatre of early Soviet years, and analyzes Socialist Realism.

RUSS 250 19th-century Russian Literature in English Translation** 3 hrs, 3 cr. Pushkin's *Eugene Onegin*, Lermontov's *Hero of Our Time*, Gogol's *Dead Souls*, Turgenyev's *Fathers and Sons*, and others.

RUSS 251 Tolstoy and Dostoevsky in English Translation** 3 hrs, 3 cr. Major novels of Russia's two greatest writers. Tolstoy's *War and Peace*, *Anna Karenina*, Dostoevsky's *The Possessed*, and others.

RUSS 252 Modern Russian Literature in English Translation** 3 hrs, 3 cr. Gorky, Mayakovsky, Olesha, Babel, Sholokhov, Bulgakov, Nabokov.

RUSS 253 Russian and Soviet Drama In English Translation** 3 hrs, 3 cr. Follows development of Russian drama and theatre from early 19th century to present. Griboedov, Pushkin, Gogol, and others.

RUSS 254 The Silver Age of Russian Literature in English Translation** 3 hrs, 3 cr. Major writers and movements of the years 1890–1925. Short works by Chekhov, Sologub, Belyi, Blok, Akhmatova, Pasternak.

RUSS 255 Russian Folklore: Slavic Myths and Traditions in English Translation 3 hrs, 3 cr. Common Slavic myths and traditions.

RUSS 256 Special Topics in Slavic Literatures and Cultures in English Translation 3 hrs, 3 cr. Example: the modern Soviet short story.

RUSS 257 Masterpieces of Russian Literature In English Translation 1 hr, 1 cr. Examples: Chekhov's short stories and plays, early Nabokov.

RUSS 258 Masterpieces of Russian Literature in English Translation 1 hr, 1 cr. Examples: Pasternak's *Dr. Zhivago*, Soviet women writers.

RUSS 259 Masterpieces of Russian Literature in English Translation 1 hr, 1 cr. Examples: Solzhenitsyn's *Gulag*, Pushkin stories, Gogol stories.



Sociology

Department Office West Building room 1622, phone 772-5587

Chair Aubrey W. Bonnett

Professors Cuddihy, Hammond, Perinbanayagam, Pinkney, Ringer, Scott, Sidel

Associate Professors Bonnett, Cain, Kroeger, Mueller, Nahirny, Tuckel

Assistant Professors Green, Poppendieck, Schlesinger, Wood

Advisors (day) Susan Toliver (evening) Charles Green (BA/MS Program)
Claus Mueller

A major in sociology provides the undergraduate with the opportunity to learn a distinct intellectual perspective and a method of inquiry. By continually testing conventional wisdom against evidence, the study of sociology encourages the development of a critical judgment. By routinely considering the matrix of social and cultural facts, it can lead students to an understanding of the conditions under which social facts emerge, and the consequences they have for individuals, groups, societies, and social institutions. It can also help students better understand their own roles in the array of social institutions in which they are enmeshed.

In addition to providing a foundation for the student who desires to pursue advanced study in sociology, a major in sociology can help to prepare students for many careers: social work, the health professions, personnel work, counseling, and other human-services fields, as well as law, civil service and public policy, social research, and other fields in the private sector. Majors are encouraged

to develop skills in observation, interviewing, and other data-collection techniques, data processing, statistical and content analysis, and forecasting the future—all marketable skills in many career lines.

Distribution Requirement Two courses may be offered to fulfill the distribution requirement. SOC 101 must be taken in addition to one other course from the following four courses: SOC 217, 219, 253, 257.

Major The sociology major consists of 24 credits. Nine of these credits must include SOC 101, 241, and 341. Three credits must be in either SOC 221 or 223. Of the remaining 12 credits, at least 6 must be in courses above the 300 level.

Minor Twelve credits in 1 or 2 departments. For information concerning approved courses, consult the major advisor.

The MARC Program The Departments of Psychology, Anthropology, and Sociology jointly offer a program called MARC (Minority Access to Research Careers). This interdisciplinary research training program for talented minority juniors and seniors is funded by the Alcohol, Drug Abuse, and Mental Health Administration of the National Institutes of Mental Health. Participants receive a monthly stipend, tuition and fee remittance; they take a special curriculum, and get individualized research training in a variety of areas under the supervision of a faculty mentor. The program has several levels of participation, and all minority students—especially freshmen and sophomores—intending to pursue a research-related career in the participating disciplines are urged to register with the program. Additional details and descriptive literature are available from the MARC program advisor.

Five-Year BA/MS Program For a limited number of qualified students, the department offers an accelerated 5-year program leading to a BA in sociology and an MS in social research. The program requires a total of 145 credits in college work (100 undergraduate, 45 graduate), one semester of supervised field experience, and a research paper. In order to be admitted to the program,

RUSS 370 Independent Study in Slavic Literatures and Cultures** 3 hrs, 3 cr.

VI. Polish Language

POL 101, 102 Elementary Polish 2 sems, 6 hrs, 6 cr.

POL 201 Intermediate Polish 3 hrs, 3 cr. Prereq: POL 102.

POL 202 Intermediate Polish Continued 3 hrs, 3 cr. Prereq: POL 201.

VII. Polish Literature in English Translation

POL 250 Topics in Polish Literature 3 hrs, 3 cr. Example: the 19th-century Polish novel.

POL 300 Independent Study in Polish Language and Literature 3 hrs, 3 cr.

VIII. Ukrainian Language

UKR 101, 102 Elementary Ukrainian 2 sems, 6 hrs, 6 cr.

UKR 201 Intermediate Ukrainian 3 hrs, 3 cr. Prereq: UKR 102.

UKR 202 Intermediate Ukrainian Continued 3 hrs, 3 cr. Prereq: UKR 201.

IX. Ukrainian Literature in English Translation

UKR 250 Topics in Ukrainian Literature 3 hrs, 3 cr. Example: survey of Ukrainian literature.

UKR 300 Independent Study in Ukrainian Language and Literature 3 hrs, 3 cr.

* Courses so marked require RUSS 202 or the equivalent as prerequisite.

** Courses so marked have ENG 120 or the equivalent as prerequisite.



students must complete their basic requirements, pass an honors course (independent study or honors seminar), and meet the requirements of the MS program as outlined in the graduate catalog. Undergraduate students admitted to the program generally start their graduate work toward the end of their junior year. Interested students should consult the program's advisor at the earliest possible date.

Honors Work For honors work in sociology, see courses SOC 471–472, 473–474.

Preparation for Teaching In cooperation with the Division of Programs in Education, the Department of Sociology provides opportunities for students to prepare for a career in teaching at the secondary and elementary levels. Students who wish to qualify for teaching social studies in secondary schools should read the description in this catalog under Education and consult their major advisor.

Urban Studies Students who have selected the major/minor concentration in urban studies may select work in sociology to complete the 6- or 15-hour social science component. Course selection must be made with the approval of the student's advisor in the Department of Urban Affairs.

Graduate Courses Qualified undergraduates seeking more advanced or specialized work may, with the permission of the instructor, be permitted to take graduate courses. Consult the graduate catalog for course listings.

COURSE LISTINGS

Introductory Course

SOC 101 Introduction to Sociology 3 hrs, 3 cr. Development of sociological imagination through introduction and application of basic concepts and alternative frameworks.

Lower Division

SOC 201 Sociology of the Family 3 hrs, 3 cr. Family functions and interaction. Factors affecting stability and instability.

SOC 203 Sociology of Education 3 hrs, 3 cr. Education viewed cross culturally and historically. Schools and colleges as social systems.

SOC 205 Sociology of Religion 3 hrs, 3 cr. Prereq: SOC 101 or perm. inst. Comparative study of religion in societies. Analysis of beliefs, myths, and sacred attitudes.

SOC 207 Leisure and Recreation 3 hrs, 3 cr. Prereq: SOC 101 or perm. inst. Role and social organization of leisure and recreation in traditional and modern society.

SOC 209 Sociology of the Arts in Modern Society 3 hrs, 3 cr. Art as universal social institution; an expression of symbolic world of cultural life.

SOC 211 Urban Sociology 3 hrs, 3 cr. Prereq: SOC 101 or perm. inst. Factors determining the size and location of human settlements.

SOC 213 Political Sociology 3 hrs, 3 cr. Prereq: SOC 101 or perm. inst. Power, authority, leadership, political ideologies, and power elites. Political development and modernization.

SOC 215 Occupations and Professions 3 hrs, 3 cr. Prereq: SOC 101 or perm. inst. Roles, structures, development of occupations and professions. Occupational socialization and professionalization.

SOC 217 Ethnic and Race Relations 3 hrs, 3 cr. Prereq: SOC 101 or perm. inst. Dominant-subordinate relations among selected groups: Asians, Blacks, Hispanics, Jews, Indians, White ethnics.

SOC 219 American Society 3 hrs, 3 cr. Prereq: SOC 101 or perm. inst. US social structure in the late 20th century: politics, economics, and social relations.

SOC 221 Development of Modern Sociological Thought 3 hrs, 3 cr. Prereq: SOC 101 or perm. inst. Classical theorists and their contributions.

SOC 223 Current Sociological Theory 3 hrs, 3 cr. Prereq: SOC 101 or perm. inst. Significance of concepts and nature of evidence applied to leading theories. Theory construction.

SOC 225 Seminar in Selected Problems of Sociology 3 hrs, 3 cr. Prereq: perm. inst. Reading, discussion, and papers on significant problems in sociology.

SOC 231 Introduction to Social Work Profession 3 hrs, 3 cr. Introduction to and critical analysis of social work profession in American society.

SOC 235 Community Organization and Action 3 hrs, 3 cr. Prereq: SOC 101 or perm. inst. Evaluation of specific local and national action programs.

SOC 237 Social Welfare 3 hrs, 3 cr. Prereq: SOC 101 or perm. inst. Development of welfare institutions. Consequences of welfare services for client and community.

SOC 239 Child Welfare 3 hrs, 3 cr. Prereq: SOC 101 or perm. inst. Children's rights. Care of dependent children in foster homes or institutions.

SOC 241 Social Statistics 3 hrs, 3 cr. Application of elementary statistical techniques. Introduction to statistical inference and sampling theory.

SOC 251 Interpersonal Behavior 3 hrs, 3 cr. Social interaction guided by mutual expectations.

SOC 253 Deviant Behavior and Social Control 3 hrs, 3 cr. Prereq: SOC 101 or perm. inst. Theories of causation and analysis of particular types of deviance—sexual, criminal, political.

SOC 255 Sociology of Youth and Adulthood 3 hrs, 3 cr. Youth and adult modes of adaptation, socialization, intergenerational relations, and career possibilities.

SOC 257 Sex Roles 3 hrs, 3 cr. Prereq: SOC 101 or perm. inst. Sex role differentiation: femininity, masculinity, marriage, child rearing.

SOC 259 Mass Communication and Public Opinion 3 hrs, 3 cr. Prereq: SOC 101 or perm. inst. Role of mass communication and public opinion in government action.

Upper Division

SOC 301 Sociology of Medicine 3 hrs, 3 cr. Prereq: SOC 101 or perm. inst. Social and cultural factors related to health. Organization of health care services, social structure of the hospital.

SOC 309 Collective Behavior and Social Movements 3 hrs, 3 cr. Prereq: SOC 101 or perm. inst. Study of collective actions of all kinds—crowds, mobs, publics, and movements specifically designed to introduce change.

SOC 311 Demography 3 hrs, 3 cr. Prereq: SOC 101 or perm. inst. Comparative analysis of fertility, mortality, migration trends, and related social factors.

SOC 313 Consumer Behavior 3 hrs, 3 cr. Prereq: SOC 101 or perm. inst. Role of consumer and development of consumer movements.

SOC 315 Industrial Sociology 3 hrs, 3 cr. Prereq: SOC 101 or perm. inst. Industries in modern economies and distributions of occupations. Corporations as social institutions.

SOC 317 Social Inequality 3 hrs, 3 cr. Prereq: SOC 101 or perm. inst. Theories of inequality: economic power and prestige. Social mobility.

SOC 319 Criminology 3 hrs, 3 cr. Prereq: SOC 101 or perm. inst. Criminal behavior, arrest, and punishment. Problems of definition, administration of criminal justice.

SOC 325 Seminar in Selected Problems of Sociology 3 hrs, 3 cr. Prereq: perm. inst. Reading, discussion, and papers on significant problems in sociology.

SOC 331, 332 Field Placement and Independent Study 4 cr each. Prereq: perm. inst. Supervised work in a community service agency 1 full day or 2 half-days a week each semester.

SOC 341 Basic Research Methods 3 hrs, 3 cr. Prereq: SOC 101 and 241. Survey of research techniques and strategies. Research design, collection and analysis of data.

SOC 351 Intra-Group and Inter-Group Relations 3 hrs, 3 cr. Prereq: SOC 101 or perm. inst. Group formation, development, persistence, and decay. Structured change in intergroup relations.

SOC 361 Social Change in Developing Societies 3 hrs, 3 cr. Prereq: SOC 101 or perm. inst. Intrinsic and extrinsic factors affecting traditional communities and societies.

SOC 363 Social Change and Social Planning 3 hrs, 3 cr. Prereq: SOC 101 or perm. inst. Process of development of institutions, communities, and nations.

SOC 371, 372 Readings in Sociology 3 cr each sem. Prereq: perm. inst. Completion of reading list proposed by student in consultation with faculty sponsor.

SOC 421 Sociology of Organizations 3 hrs, 3 cr. Prereq: SOC 101 or perm. inst. Organization, structure, and processes; relationship between individual and organization.

SOC 425 Seminar in Selected Problems of Sociology 3 hrs, 3 cr. Reading, discussion, and papers on significant problems in field of sociology.

SOC 441 Advanced Research Methods 3 hrs, 3 cr. Prereq: SOC 241 and 341. Evaluates strategies and instruments available to sociologists.

SOC 461 Comparative Ethnic and Race Relations 3 hrs, 3 cr. Prereq: SOC 101 and 217 or perm. inst. Patterns of inter-group relations in various countries. Consequences of partition, separatism, pluralism, assimilation.

SOC 471-472 Honors 3 cr each sem. Prereq: SOC 101 or perm. dept. Independent research under direction of member of department. Honors paper.

SOC 473-474 Honors Seminar 3 cr each sem. Prereq: perm. dept. Honors paper.

Theatre and Film

Department Office North Building room 336, phone 772-5148

Chair Richard Tomkins

Professors Calderon, Leaming, Rutenberg, Seiger, Wilson

Associate Professors Felner, Koetting, Sternberg, Zuker

Assistant Professors Lines, Rosenblum, Tomkins

Advisors (day) Daniel Koetting (evening) Joel Zuker

The disciplines of study in this department concern themselves with one of the oldest continuing means of creative expression— theatre—and with one of the newest—film. In both areas, we offer courses in the practical side (acting, directing, design in theatre; directing, editing, cinematography in film) and on the theoretical and historical side. Each area is studied and practiced in historical perspective and as a mirror of the societies that have produced it. The aesthetic of each is also examined.

A broad education both within and outside the disciplines of theatre and film is essential for students hoping to pursue careers in those fields. Students in each of the two areas are required to study production as well as theory, criticism, and the history of the two art forms. Courses and major sequences are conducted with a strong sense of professional standards, but without the narrowness of focus appropriate to study in a conservatory or professional school.

Many students who are graduated from the program move into the professions—as film-makers, editors, or sound technicians in film, or as actors, stage managers, or design assistants in theatre. Others continue their studies in a graduate program leading to an MA and PhD. Graduates who concentrate in children's theatre and creative dramatics frequently enter those fields as teachers or directors. Those in history, theory, and criticism often continue in graduate work.

Students pursuing a major in Theatre Arts or a major in Theatre must fulfill the production work crew requirement as part of their program for graduation. Crew information is available from the department office.

The faculty in the department believes that the study of theatre or film can benefit any student, regardless of career goals. Graduates from the program have successfully entered allied fields such as television, advertising, and arts management.

The major sequences in each case operate within the undergraduate program leading to the Bachelor of Arts degree.

Distribution Requirement No more than 3 credits of the major or minor may be offered toward the distribution requirement. Students planning graduate study should be aware that one or more foreign languages are desirable.

Major Students may choose one of 5 major sequences in the department:

1. **Combined Major in Theatre and Film** (24 cr) All courses required as follows: THEA 270, 271, 372, 373; FILM 120, 220, 230, 240.

2. **Major in Theatre Arts** (24 cr) 12 credits required as follows: THEA 270 or 271; 261; 372 or 373; 290; 12 additional cr, chosen with advisement, from the following areas, depending on the student's area of concentration: developmental drama; history, theory, and criticism; acting/directing; design/production.

3. **Major in Theatre** (42 cr) 27 cr required as follows: THEA 270, 271, 261, 292, 372, 373, 290, 291, and 364; 15 additional cr required, as indicated, in one of the following concentrations:

Developmental Drama 5 courses chosen from THEA 250, 251, 252, 350, 379, 351.

History, Theory, and Criticism 5 courses chosen from THEA 275, 297, 374, 375, 379, 397, and/or courses in dramatic literature from the departments of Classical & Oriental Studies, English, German, and Romance Languages.

Acting 5 courses to be chosen from THEA 262, 263, 361, 362, 364, 388, 394.

Directing 5 courses to be chosen from THEA 262, 374, 375, 365, 366, 388.

Design/Production 5 courses to be chosen from THEA 374, 388, 391, 393, 395, 396, 397.

4. **Major in Film Production** (42 cr) 21 cr required as follows: FILM 191, 220, 230, 294, 295, 340, 370; 21 additional cr chosen from FILM 192, 240, 296, 371, 376, 380, 384, 395, 396, 397, 398, 401, 403, and 499.

5. **Major in Cinema Studies** (42 cr) 18 cr required as follows: FILM 220, 230, 294, 332, 340, 401; 24 additional cr chosen from FILM 222, 240, 242, 320, 334, 336, 342, THEA 372, and 373, FILM 402, 403, and 499.

Minor All majors must choose a 12-cr minor sequence in an appropriate discipline with permission of the advisor.

Electives All courses in the department except those at the 400 level may be chosen by non-majors as electives, provided the students have the prerequisites.

Independent Study and Honors For majors, the department provides a variety of opportunities to earn credits by independent work and study, including off-campus placements. Qualified seniors may also register for THEA 499, Honors Project, to earn departmental honors at graduation.

Graduate Study The department offers a number of master's level courses listed in the graduate bulletin. Qualified majors in their senior year may be admitted to these courses and may use the credit toward graduation. Permission of the department chair and the graduate advisor is required.

COURSE LISTINGS

Basic Courses

THEA 170 Workshop in Dramatic Process 3 hrs, 3 cr. For non-majors. Exploration of student's creative potential in relation to theatre arts. Cannot be taken if THEA 172 has been taken.

THEA 171 Introduction to Theatre 3 hrs, 3 cr. Study of elements of theatre arts—acting, directing, playwriting, design—from standpoints of both viewer and participant.

THEA 172 Basic Acting Techniques 3 hrs, 3 cr. Offered D. For intended majors. Exploration of environments and relationships through improvisation. Cannot be taken if THEA 170 has been taken.

THEA 187 Introduction to Theatre Production 5 hrs, 2 cr. Lectures and practical backstage work in all aspects of productions. Work on studio and major productions required.

Intermediate Courses

THEA 250 Creative Dramatics 3 hrs, 3 cr. Prereq: THEA 170. Offered D. Theory and techniques of developing creativity in children through participation in dramatic activities.

THEA 251 Theatre for Children 3 hrs, 3 cr. Prereq: THEA 171. Offered D/Fa. Study of means, materials, and effects of theatre for child audiences.

THEA 252 Theatre for Children: Laboratory 5 hrs, 3 cr. Prereq: THEA 251. Offered D/Sp. Casting, rehearsal, and production of plays for children.

THEA 261 Acting I: Contemporary Drama 4 hrs, 3 cr. Offered D. Prereq: THEA 172 or perm. instr. Work from written text and learning techniques such as emotional recall, concentration, responding to imaginary stimuli.

THEA 262 Acting II: Contemporary Drama 4 hrs, 3 cr. Offered D. Prereq: THEA 261; coreq: THEA 263. Continued work on problems and techniques of creating internal and physical life of stage character from written text.

THEA 263 Basic Voice and Movement for Performers 3 hrs, 2 cr. Coreq: THEA 262. Freeing the natural voice; resonance and range; movement systems and skills.

THEA 270 History of the Theatre I 3 hrs, 3 cr. Prereq: THEA 171. Offered D/Fa and E/Fa alternate years. Survey of theatre from its primitive origins to English Restoration.

THEA 271 History of the Theatre II 3 hrs, 3 cr. Prereq: THEA 171. Offered D/Sp. Survey of theatre from beginning of 18th century to present day.

THEA 275 Black Theatre 3 hrs, 3 cr. Prereq: THEA 171. Offered D/Fa alternate years. Background and development, present practice, and future possibilities of black theatre in America.

THEA 287 Theatre Practice 5 hrs, 2 cr. Prereq: perm. inst. Lectures and practical work in all phases of departmental productions. Includes acting, stage managing, administrative and crew work. May be taken, with permission, up to 4 times for credit. Students may take the course only twice in same area of concentration.

THEA 290 Visual Elements of Theatre 3 hrs, 3 cr. Prereq: THEA 171. Theory and practice of various design elements that constitute complete theatrical production. Course for actors, directors, playwrights, and others not concentrating in design. Practical work on productions included.

THEA 291 Theatrical Design Techniques 5 hrs, 3 cr. Prereq: THEA 171. Practical training in skills of drawing, painting, and model-making necessary for designing of scenery, costumes, and lights. Studio design work included. Prerequisite for all advanced design courses.

THEA 292 Stagecraft 5 hrs, 3 cr. Prereq: THEA 171. Offered D. Technical problems of production: construction, rigging, and handling of scenery. Practical work included.

Upper Level Courses

THEA 350 Creative Drama Leadership Techniques: Special Groups 3 hrs, 3 cr. Prereq: THEA 250. Offered D/Fa alternate years. Creative drama for groups such as handicapped, emotionally disturbed, geriatric, and institutionalized.

THEA 351 Creative Drama in the Community 3 hrs, 3 cr. Prereq: THEA 250. Offered D/Sp alternate years. Practical application of techniques and processes of creative drama in community-centered groups.

THEA 361 Acting: Departures from Realism 4 hrs, 3 cr. Offered D/Fa. Prereq: THEA 262, 263, 271 or perm. inst. Coreq: THEA 363. Scene study as it applies to non-realistic works such as absurdist plays, epic theatre, and expressionist works.

THEA 362 Acting: Period Drama 4 hrs, 3 cr. Offered D/Sp. Prereq: THEA 262, 263, 270 or perm. inst. Scene study from such periods as Greek, Elizabethan, and Restoration.

THEA 363 Advanced Voice and Movement for Performers 3 hrs, 2 cr. Prereq: THEA 263, coreq: THEA 361. Continuation of voice and movement exercises; integration into systematic approach for actor.

THEA 364 Directing I 5 hrs, 3 cr. Prereq: THEA 261, 270, 271, 372 or perm. inst. Offered Fa. Principles of play production; directional concept; focusing audience attention on dramatic values.

THEA 365 Directing II 5 hrs, 3 cr. Prereq: THEA 364. Offered D/Sp. Continued study of principles; incorporation of design elements; full laboratory production of one-act play by each student.

THEA 367 Mime and Masks 4 hrs, 3 cr. Prereq: THEA 364. Practical course in mime and mask exercises for actor, designed to open new avenues for emotional expression.

THEA 372 Play Analysis 3 hrs, 3 cr. Prereq: THEA 270 or 271. Offered D/Fa. Principles of play analysis; examination of play structure, theatrical form, and historical period.

THEA 373 Theatre Theory and Criticism 3 hrs, 3 cr. Prereq: THEA 270 or 271. Offered D/Sp. Major theatrical theories, with emphasis on modern, as applied to acting, design, directing, and playwrighting.

THEA 374 Avant-Garde Theatre of the 20th Century 3 hrs, 3 cr. Prereq or coreq: THEA 270 or 271. Offered D/Sp. Departures from realism—Expressionism, Artaud, Brecht, Grotowski—from Alfred Jarry to present.

THEA 375 Theatre of Realism and Naturalism 3 hrs, 3 cr. Prereq or coreq: THEA 270 or 271. Offered D/Fa. Plays, theory, and stagecraft of realism and naturalism movement from late 19th century to present.

THEA 379 Playwriting 3 hrs, 3 cr. Prereq: THEA 171 or perm. inst. Study of problems in playwriting based on the student's own work.

THEA 387 Theatre Workshop 5 hrs, 2 cr. Prereq: THEA 287. Offered D. Individual assignments to backstage positions in production and management of department presentations.

THEA 388 Theatre Projects 3 hrs, 3 cr. Prereq or coreq: THEA 366 or 395 and perm. chair. Offered D. Experimental work in design or directing for advanced theatre students.

THEA 391 Stage Lighting 5 hrs, 3 cr. Prereq: THEA 290. Offered D/Sp alternate years. Principles and practice of lighting for theatre, film, and television, emphasizing its contribution to dramatic interpretation.

THEA 393 Costuming for the Stage 5 hrs, 3 cr. Prereq: THEA 290. Offered D/Sp alternate years. Study and practice in stage costuming; historical periods, and styles; fabrics, patterns, and construction.

THEA 394 Makeup for the Stage 3 hrs, 2 cr. Prereq: THEA 290. Offered D/Fa. Practical instruction in use of stage makeup.

THEA 395 Scene Design I 5 hrs, 3 cr. Prereq or coreq: THEA 292. Offered D/Fa. Fundamentals of design for theatre, film, and television.

THEA 396 Scene Design II 5 hrs, 3 cr. Prereq: THEA 395. Offered D/Sp alternate years. Problems of set design for plays, musicals, ballet, opera, film, and television, scene painting.

Special and Individual Studies Courses

THEA 297 Special Topics in Theatre 1–3 hrs, 1–3 cr. Prereq: perm. dept. Not offered at all times. Specific topic will be listed in *Schedule of Classes* for given semester.

THEA 397 Studies in Theatre 3 hrs, 3 cr. Prereq: variable. Not offered at all times. Specialized topics for majors will be listed in *Schedule of Classes* for given semester.

THEA 401 Seminar 3 hrs, 3 cr. Perm. dept. Not offered at all times. Readings, discussion, and papers on significant problems in theatre and film.

THEA 402 Independent Research 1–3 hrs, 1–3 cr. Perm. chair. Majors only. Directed program of reading, research, or creative presentation, arranged on an individual basis.

THEA 498 Inservice Learning Program 1–6 hrs, 1–6 cr. Perm. dept. Placement in appropriate off-campus locations on an individual basis.

THEA 499 Honors Project 3 hrs, 3 cr. Prereq: 2.7 GPA and 3.5 major GPA, majors only, perm. chair. Individual work under faculty supervision, qualifies student for department honors at graduation.

FILM

Basic Courses

FILM 120 Introduction to Cinema 3 hrs, 3 cr. Fundamental concepts of film and discussion of major critical systems. Screening of relevant films.

FILM 191 Introduction to Film and Video Techniques 3 hrs, 3 cr. Technology of film; equipment and procedures.

FILM 192 Fundamentals of Film-making 3 hrs, 3 cr. Practical introduction to basic elements of film-making, using Super 8 and videotape.

Intermediate Courses

FILM 220 Histories of Cinema 4 hrs, 3 cr. Prereq: FILM 120. Study of dominant histories of cinema; their construction and meaning; viewing of pertinent films.

FILM 222 Theories of Genre 4 hrs, 3 cr. Prereq: FILM 120. Offered D/Fa alternate years. Critical study of principal generic categories such as the western, the documentary, the horror film.

FILM 230 Film Theory I 4 hrs, 3 cr. Prereq: FILM 120. Offered D/Fa. Introduction to principal theories, concepts, and language employed in analysis of cinema.

FILM 240 Studies of Selected Directors 4 hrs, 3 cr. Prereq: FILM 120. Offered D/Sp. Study of aesthetic and cultural implications of authorship as developed and practiced in cinema.

FILM 242 Avant-Garde Cinema 4 hrs, 3 cr. Prereq: FILM 120. Offered D/Fa alternate years. Historical examination of pertinent films with particular emphasis on current American film-makers.

FILM 294 Editing I 4 hrs, 3 cr. Prereq: FILM 191. Theory and practice of formal structuring of the visual/aural image.

FILM 295 Cinematography I 4 hrs, 3 cr. Prereq: FILM 191. Theory and practice in use of cinematographic tools: camera, lenses, filters, raw stock, lighting.

FILM 296 Sound for Film and Video I 4 hrs, 3 cr. Prereq: FILM 294 and TELE 110 or FILM 295. Offered D/Fa. Theory and techniques of sound mixing, dubbing, lip synchronization, and sound editing.

Upper Level Courses

FILM 320 Problems in Film Research 3 hrs, 3 cr. Prereq: FILM 220. Offered D/Sp alternate years. Study of basic methods of solving problems in field of cinema studies.

FILM 332 Film Theory II 4 hrs, 3 cr. Prereq: FILM 230. Offered D/Sp alternate years. Advanced study of current problems in film theory.

FILM 334 Narrative, Authorship, and Subject 4 hrs, 3 cr. Prereq: FILM 230 or 240 or 242. Offered D/Fa alternate years. Study of narrative techniques in cinema.

FILM 336 Film Technology and Aesthetic Theory 4 hrs, 3 cr. Prereq: FILM 192 and 220. Offered D/Sp alternate years. Study of relationship between film technology and film theory.

FILM 340 Soviet Cinema 4 hrs, 3 cr. Prereq: FILM 220 or 230. Study of Soviet films and Soviet film theory.

FILM 342 Theories of Film Acting 4 hrs, 3 cr. Prereq: FILM 230. Offered D/Sp alternate years. Study of film acting with regard to theoretical structures and aesthetic practice.

FILM 370 Screen Writing I 4 hrs, 3 cr. Prereq: FILM 120 or TELE 110. Fundamentals of writing for film; critiques of original student scripts.

FILM 371 Screen Writing II 4 hrs, 3 cr. Prereq: FILM 370. Continuation of workshop experience with emphasis on full-length screenplay.

FILM 376 Screen Acting 4 hrs, 3 cr. Prereq: FILM 120 and THEA 262. Offered D/Fa alternate years. Fundamental techniques unique to acting in film and television.

FILM 380 Producing the Film 3 hrs, 3 cr. Prereq: FILM 120. Offered alternate years. Contracts, financing, distribution, copyright law, options, acquisition of rights, securities law requirements.

FILM 393 Screen Directing 4 hrs, 3 cr. Prereq: FILM 294 and 295 or TELE 110. Offered D/Sp alternate years. Theory and practice of film director's role as guiding force in creation of visual and aural image.

FILM 394 Editing II 4 hrs, 3 cr. Prereq: FILM 294. Offered D/Sp. Continuation of editing practices, emphasizing professional use of equipment, materials, and techniques.

FILM 395 Cinematography II 4 hrs, 3 cr. Prereq: FILM 295. Offered D/Fa. Advanced cinematographic techniques such as sensitometry, effects lighting, and special effects.

FILM 396 Sound for Film and Video II 4 hrs, 3 cr. Prereq: FILM 296. Offered D/Sp. Sound recording in studio and on location; music and sound effects; optical transfers, synchronization of sound track and pictures.

FILM 398 Film and Video Production Var. hrs, 3 cr. Prereq: 2 of FILM 294, 295, 296, or TELE 235 and perm. inst. Offered D/Fa. Production of short films with each student assigned to specific crew positions.

Special and Individual Studies Courses

FILM 297 Special Topics in Film 1–3 hrs, 1–3 cr. Prereq: perm. dept. Not offered at all times. Specific topic will be listed in *Schedule of Classes* for given semester.



FILM 397 Studies in Film 3 hrs, 3 cr. Prereq: variable. Not offered at all times. Specialized topics for majors will be listed in *Schedule of Classes* for given semester.

FILM 401 Film and Video Production Seminar 3 hrs, 3 cr. Prereq: FILM 393 and 398 and perm. inst. Offered D. Individual student films produced under faculty supervision.

FILM 402 Advanced Seminar 3 hrs, 3 cr. Perm. inst. Offered D/Fa alternate years. Selected topics in cinema studies.

FILM 403 Independent Research 1-3 cr. Perm. chair. Majors only. Directed program of reading, research, or creative presentation, arranged on an individual basis.

FILM 498 Inservice Learning Program 1-6 hrs, 1-6 cr. Perm. dept. Placement in appropriate off-campus locations on an individual basis.

FILM 499 Honors Project 3 hrs, 3 cr. Prereq: 2.7 GPA and 3.5 major GPA. Majors only. Perm. chair. Individual work under faculty supervision; qualifies student for department honors at graduation.

DRAMATIC TELEVISION

TELE 110 Fundamentals of Television Drama 3 hrs, 3 cr. Basic tools, concepts, and techniques that apply to production of dramatic television.

TELE 220 History and Theory of Television Drama 4 hrs, 3 cr. Prereq: TELE 110 and FILM 120 or THEA 171. History and theories of presentation of dramatic material on television. Readings and appropriate screenings.

TELE 230 Developing and Producing Teledrama 4 hrs, 3 cr. Prereq: TELE 110 or FILM 191 and TELE 220. Practical course in writing and producing studio teledrama.

TELE 235 Dramatic Television on Location 4 hrs, 3 cr. Prereq: TELE 110 or FILM 191 and TELE 220. Study of techniques of television location work including scripting, editing, taping, and how this production style affects final result.

TELE 330 Directing Teledrama 4 hrs, 3 cr. Prereq: TELE 230 + FILM 393 or THEA 365. Theory and practice of directing dramatic material for television.

Urban Affairs

Department Office West Building room 1611, phone 772-5519

Chair Peter D. Salins

Professors Hyman, Salins, Spiegel, Sullivan

Associate Professors Birch, Margolis, Moses

Assistant Professors Johnston, Milczarski

Advisors (day) Eugenie L. Birch (evening) Stanley Moses

With over 70 percent of the nation's population classified as urban, urban studies offer students the opportunity to investigate intensively the forces shaping the institutions and quality of life in American metropolitan regions. Building on an understanding of relevant economic, social, and political trends, the field of urban studies concentrates on defining and addressing current urban policy and planning issues. To reinforce its strong theoretical foundation, the urban studies curriculum also includes analytical skills and field-work experience.

The department offers several options to students interested in examining the implications of urban life within a social science context. The most intensive is, of course, the major. Additional programs include elective courses which may constitute a minor for a non-major, and a program of education for public service which is open to selected students (see special programs, below). Of particular note for non-majors is the specially designed introductory course, *Urban Life: The Personal and Observational View*.

The urban studies offerings are enriched by their inclusion in the Department of Urban Affairs, which houses, in addition to the undergraduate program, graduate curricula in urban planning and urban affairs and the Urban Research Center. The sharing of faculty and facilities, the interchange among advanced and beginning students, and the cooperation of other units in the Social Sciences Division create an environment for concentrating the urban-related concerns appropriate to a major city college.

Because it integrates several social science perspectives, the urban studies major is uniquely fitted to train students for careers in either the public or private sector, depending upon the student's selection of electives. Among the types of employment chosen by recent graduates are urban planning, social work, municipal budgeting, public administration, real estate, community organization, law, business, and journalism.

Distribution Requirement Any 2 courses from among URBS 101, 102, and 201 will fulfill 6 cr of the 12-cr distribution requirement in the Social Sciences (Category VI).

Urban Studies Major and Major-Minor Concentration The urban studies major (24 credits) and the major-minor concentration (39 credits) provide a strong background in a selected social science or related discipline, a methods component, and a fieldwork experience built around a systematic introduction to contemporary urban life and problems. An integrating seminar during the student's last 2 terms provides an understanding of the application of the various disciplines to policy development and program operations that deal with today's urban conditions.

Preparation for Graduate Training A substantial number of majors in urban studies pursue professional graduate study in urban planning, law, social work, public administration, architecture, and related fields. Students should discuss their plans with the undergraduate advisor in their junior year in order to plan their programs accordingly.

Special Programs Urban studies students are eligible to participate in 2 internship programs sponsored by Hunter College: the

Program of Education for Public Service and the Seminar/Internship Program in New York City Government.

The Program of Education for Public Service is lodged in the Department of Urban Affairs. It is a selective program open to 24 students chosen in their junior year to become Public Service Scholars. All Hunter students are eligible for this full-time, year-long program which includes an internship placement and 3 weekly seminars. The students chosen to participate receive an annual stipend. For further information, consult the director of the program.

The City University Seminar/Internship Program in New York City Government is a program in which Hunter College students may participate by enrolling in POLSC 411/412. For further information, contact the Political Science Department.

I. Urban Studies Major (24 cr)

The urban studies major consists of components A, B, C, and D as listed below. Courses not listed may be selected with special permission of the urban studies program advisor. The 12-credit minor may be taken in one or more departments with the approval of the advisor.

A. Urban Studies Core (12 cr)

URBS 101 Urban Life: Personal and Observational View (3 cr)

URBS 102 Structure of Urban Region (3 cr)

URBS 201 Plans and Policies for Contemporary Urban Community (3 cr)

URBS 310 Methods of Urban Research and Policy Analysis (3 cr)

B. Urban Studies Electives (3 cr) Select one from:

URBS 401 Managing Urban Physical Environment (3 cr)

URBS 402 Urban Social and Economic Development (3 cr)

URBS 404 Urban Budgeting and Fiscal Policy (3 cr)

C. Fieldwork Component (3 cr) Select one from:

URBS 410 Urban Fieldwork (3 cr)

URBS 498 Inservice (6 cr)

POLSC 411 Seminar/Internship in NYC Government (4 cr)

D. Basic Social Science Component (6 cr) Select two from:

ECO 335 Metropolitan Economy (3 cr)

HIST 341 Topics in History: Urban History (3 cr)

POLSC 212 Urban Politics (3 cr)

GEOG 341 Urban Geography (3 cr)

SOC 211 Urban Sociology (3 cr)

II Urban Studies Major / Related Social Science Minor Concentrations (39 cr)

Students take courses in A, B, C, D above and add either URBS 401, 402, or 404 (whichever has not been taken for the major) plus 12 cr in a related social science discipline or other courses approved by advisor. (All 12 cr must be within the same discipline.)

COURSE LISTINGS

URBS 101 Urban Life: Personal and Observational View 3 hrs, 3 cr. Introduction to urban studies allowing students to translate personal knowledge and experience of New York City to more theoretical understanding of urbanism. Includes 4 projects dealing with mapping, immigration, census data analysis, and local development issues.

URBS 102 Structure of Urban Region 3 hrs, 3 cr. Prereq: URBS 101 or relevant intro course (e.g. ECO 100 or 201-202; GEOG 101, POLSC 111, SOC 101) or perm. inst. Introduction to forces shaping institutions and life of contemporary American urban regions. Focus on evolving metropolitan economic, social, demographic, spatial, and political systems, and their relevance to current policy.



URBS 201 Plans and Policies for Contemporary Urban Community 3 hrs, 3 cr. Prereq: URBS 102 or 6 cr of introductory social science courses or perm. inst. Exposure to human and institutional consequences of economic, social, and political forces confronting metropolitan America. Review of activities of public and private agencies dealing with urban problems.

URBS 202 Urban Futures 3 hrs, 3 cr. Prereq: URBS 102 or perm. inst. Exploration of alternative scenarios that could guide development of cities and urban regions in next century. Includes review of contemporary urbanization trends in US and abroad and utopian forecasts of future urban life.

URBS 310 Methods of Urban Research and Policy Analysis 3 hrs, 3 cr. Prereq: URBS 102 or perm. inst. Survey of research skills necessary for analysis of contemporary urban issues. Includes review of data sources, methods of forecasting, use of computer, and methods of information presentation.

URBS 401 Managing Urban Physical Environment 3 hrs, 3 cr. Prereq: URBS 201 or perm. inst. Examination of components of metropolitan land use. Focus on planning and management of physical environment by public and private agencies at local, state, and national levels.

URBS 402 Urban Social and Economic Development 3 hrs, 3 cr. Prereq: URBS 201 or perm. inst. Detailed review of social and economic concerns confronting urban communities, focusing on major problem areas: poverty, health, crime, economic development, unemployment, and racial discrimination.

URBS 403 Selected Topics in Urban Affairs 3 hrs, 3 cr. Intensive examination or investigation of specialized topics or new developments in literature and research.

URBS 404 Urban Budgeting and Fiscal Policy 3 hrs, 3 cr. Prereq: URBS 201 or perm. inst. Introduction of financial management of urban municipalities and authorities. Attention to process of fiscal decision-making as seen from perspective of local community, and analysis of role of intergovernmental aid.

URBS 410 Urban Fieldwork 3 hrs, 3 cr. Prereq: declared urban studies major within 45 cr of graduation. Internship experience in urban-related public or non-profit agency providing firsthand involvement in urban planning or policy issues, under careful supervision, in professional field setting.

URBS 498 Inservice 1-6 hrs, 1 cr per hr. Prereq: perm. chair.

The following graduate courses (45 hrs including conference, 3 cr each) are open to senior urban studies majors:

URBP 701 History of Planned Urban Development

URBP 702 The Structure of the Urban Community

Other graduate-level courses that may be taken by senior majors with special permission:

URBP 708 Environmental Planning

URBP 722 Economic Planning

URBP 724 Social Planning

URBP 750 Fundamentals of Housing

URBP 751 Planning Process Seminar

Women's Studies

Program Office West Building room 1716, phone 772-5680

Coordinator Dorothy O. Helly

Policy Committee Bathrick (Communications), Dean (English), Denmark (Psychology), Held (Philosophy), Helly (History), Lees (Anthropology), Pomeroy (Classical & Oriental Studies), Sowande (Academic Skills), Toliver (Sociology), Tronto (Political Science), Zalk (Educational Foundations), Zentella (Black & Puerto Rican Studies)

Advisors (day and evening) Dorothy O. Helly

Women's studies reexamines the role of women in contemporary society, in history, and in all cultures. It aims, through a focus on women's experiences, to open fresh perspectives throughout the entire curriculum. Women's studies seek to create and share a new knowledge base that will give us a better understanding of all human experience, including the pursuit of learning.

The Women's Studies major is a collateral major—two majors taken together without a minor. Thus, employment after college can involve one or the other discipline or both at once. Women's studies graduates may seek employment related to a traditional field, as, for example, economics, psychology, sociology, or English. In such areas as health care, counseling, advertising, market-research, publishing, teaching, or administrative work, as well, they may combine the information and insights gained from the 2 major interrelated fields. The Women's Studies collateral major is appropriate in pre-law training and is useful, directly and indirectly, in all fields involving an analysis of society and social interaction.

Distribution Requirement No courses with the prefix WOMST are credited toward the College distribution requirement.

Major The Women's Studies program offers an 18-credit collateral major which is taken in addition to a traditional major. No minor is then needed. Students enrolled in the Honors Program may elect to major in the program without an additional major. The 18 required credits are distributed as follows: Introduction to Women's Studies (3 cr), Senior Research Seminar (3 cr), and 12 cr from the Women's Studies program courses (listed as WOMST) and the courses cross-listed with Women's Studies offered by participating departments.

Minor The Women's Studies major requires no minor because, as explained above, the major is double, or collateral. The Women's Studies program is accepted as a minor in all departments within the divisions of Social Sciences and Humanities and the Arts. In departments in the division of Mathematics and Sciences, students must check with major advisors.

Inservice Program Students may register for 1–6 cr of inservice. They may work in positions of responsibility in a variety of approved private and public institutions. Consult with the coordinator of Women's Studies.

Research Seminar Majors in Women's Studies are required to take a seminar or do advanced independent study to complete their work in the program. The seminar, determined by the other fields in which the Women's Studies majors concentrate, varies from year to year. Its prerequisites are WOMST 100 and 12 credits of any combination of WOMST-labeled courses and 300-level courses in the student's other major. Consult the Women's Studies coordinator early to plan either a senior research seminar or the independent study that may be substituted for it.

COURSE LISTINGS

WOMST 100 Introduction to Women's Studies 3 hrs, 3 cr. Traditional definitions of women's nature in myth and symbol, philosophical inquiry, the-



ories of biology and psychology; women's role in family structures; women's relations to religion, education, health, work, and public power. Examples are cross-cultural, contemporary, and historical.

WOMST 200 Topics in Women's Studies 3 hrs, 3 cr. Interdisciplinary courses such as Women and the Law, Women and Health, Women in the Developing World, Women and Theatre, Motherhood, Women in Islamic World.

WOMST 300/400 Research Seminar in Women's Studies 3 hrs, 3 cr. Prereq: WOMST 100 plus 12 cr of any combination of WOMST courses and 300-level courses in the student's other major. Topic varies from year to year.

WOMST 393 Independent Research 3 hrs, 3 cr. Prereq: perm. program coordinator. Independent research guided by faculty member on subject of student's choice in field of women's studies.

WOMST 498 Inservice 1-6 hrs, 1-6 cr. Prereq: perm. program coordinator.

Recommended Courses (3-cr courses)

The following list is not exhaustive, inasmuch as new courses are continually being added to the curriculum.

ANTHC 301 Sex and Gender in Anthropological Perspective
ANTHC 321 (WOMST 200.50) Women in the Developing World

BLPR 276 Puerto Rican Family
BLPR 290.66 The Black Family
BLPR 318 Women in Africa
BLPR 336 Afro-American Women Writers

CLA 305 Women and Slaves in Classical Antiquity

ECO 295.50 Women in the Economy

ENGL 120 Expository Writing—Women's Studies Section
ENGL 250.57 Women's Search for Self
ENGL 250.67 Heroines Triumphant
ENGL 386.52 Images of Women in Film and Literature
ENGL 389.54 One Major Writer—Virginia Woolf
ENGL 398.50 20th-century Novels by Women
ENGL 399.50 Women in 19th and 20th Century Literature

ENGL 399.52 Edith Wharton and Katherine Anne Porter

FREN 262 Perspectives of Women in French Literature

COMHE 322 Maternal and Child Care
HED 300.51 (WOMST 200.53) Women and Health
COMHE 324 Human Sexuality

HIST 141.53/341.55 Women's Education in the US
HIST 304 Women in Early European Society
HIST 345 Women and Society in Victorian England
HIST 366 Role of Women in American History
HIST 383.50/483.50 Oral History: New York Women (Honors Seminar)

MEDIA 384 Women and Media

MUSHL 360 Women in Music

PHILO 286 Feminism: Philosophical Theory and Practice

POLSC 217.72 (WOMST 200.54) Women, Crime, and Punishment
POLSC 217.79 (WOMST 300.56) Women and Political Change
POLSC 218 Women and Politics
POLSC 219 (WOMST 200.55) Women and the Law
POLSC 480.73 Utopia and Women

PSYCH 170 Psychology of Human Sexuality
PSYCH 235 Psychology of Women

REL 306.54 Women and Religion

RUS 259.56 Russian Women Writers (in trans.)

SOC 201 Sociology of the Family
SOC 257 Sex Roles
SOC 325.51 Women and Work

THEA 247.54 Women in Theatre



Faculty

- Miriam Abramovitz**, Associate Professor, Social Work; BA, Michigan; MSW, DSW, Columbia
- Juan V. Agudiez**, Professor, Romance Languages (Spanish); Licence-ès-Lettres, Docteur de l'Université de Paris
- Alex E. Alexander**, Professor, Russian; BA, CCNY; MA, PhD, Columbia
- Frances L. Allen**, Assistant Professor, Health & Physical Education; BS, Longwood; MA, NYU
- Nicholas Anastaslow**, Professor, Special Education; BA, California; PhD, Stanford
- Ronnie Ancona**, Assistant Professor, Classical & Oriental Studies; BA, MA, Univ. Washington; PhD, Ohio State
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- Winston Anderson**, Professor, Biological Sciences; BS, MS, Howard; PhD, Brown
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- Daniel G. Bates**, Professor, Anthropology; BA, MA, PhD, Michigan
- Ulku Bates**, Professor, Art History; Licentiate, Istanbul; MA, PhD, Michigan
- Serafina Bathrick**, Associate Professor, Communications; BA, Vassar; MA, Chicago; PhD, Wisconsin
- Bernice Baxter**, Associate Professor, Academic Skills; BA, Hunter; MA, PhD, Columbia
- Elizabeth Beaujour**, Professor, Classical and Oriental Studies; AB, Vassar; MA, Certificate of Russian Institute, PhD, Columbia
- Jane Benardete**, Professor, English; BA, MA, PhD, Radcliffe
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- Rebecca Donovan**, Assistant Professor, Social Work; BA, Missouri; MS, DSW, Columbia
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Margaret Cramer, Financial Aid Counselor; BA, Fordham
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Gregory Crosbie, Audio Visual Manager; BA, Queens
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Marilyn Vespoli, Asst to Provost
Margo Viscusi, Director of Publications; BA, Barnard
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Student Regulations and Rights

STATEMENT ON THE RIGHTS OF STUDENTS

The Hunter College Senate voted endorsement of the following statement on September 24, 1974:

PREAMBLE

"Academic institutions exist for the transmission of knowledge, the pursuit of truth, the development of students, and the general well-being of society. Free inquiry and free expression are indispensable to the attainment of these goals. . . . Freedom to teach and freedom to learn are inseparable facets of academic freedom."

Students "have a distinctive role . . . which qualifies them to share in the responsible authority on campus; the exercise of the authority is part of their education. . . . Joint efforts among all groups in the institution—students, faculty, administration, and governing board—is a prerequisite of sound academic government. . . . Joint effort, to be effective, must be rooted in the concept of shared authority. The exercise of shared authority in college and university government, like the protection of (student and faculty) academic freedom, requires tolerance, respect, and a sense of community."

"The responsibility to secure and respect general conditions conducive to the freedom to learn is shared by all members of the academic community."

Students' rights are not limited by what is enumerated in this statement. The purpose of the statement is to outline some basic principles and guidelines, many of which are now met. Specific implementation will have to be continuously adjusted as conditions at the college change.

I. Academic and Personal Files

1. Improper disclosure, even within the college, of academic, personal, and disciplinary records is a serious invasion of privacy. To minimize the risk of improper disclosure, academic, personal, and disciplinary records should be kept in separate files.
2. All files may be made available only to specially authorized college staff. Express consent of the student involved is otherwise required.
3. Academic records and transcripts should contain only information about scholastic achievement.
4. No records should be kept which reflect the political and off-campus activities or beliefs of students.
5. Non-current medical and disciplinary records should be periodically destroyed.
6. Students have the right to periodically review their academic, medical and disciplinary records and to appeal for removal of items improperly included. If the appeal fails the student has the right to append a written rebuttal to the record.

II. Classroom, Grades, etc.

1. Students have the right, within the limits of available facilities, to pursue any course of study for which they are eligible according to college standards.
2. In order to permit eligible students unhindered access to courses, the costs of required materials should be kept within reasonable limits.
3. Students have the right to know, at the start of each course of study, the basis to be used by the instructor in determining grades.
4. Students' grades should be based solely on academic criteria, not on opinions or conduct in matters unrelated to academic standards.
5. Students should have the opportunity to take reasoned exception to facts or points of view offered in any course of study, but they are responsible for meeting the academic standards of any course of study for which they are enrolled.
6. Students should have the protection through formally established procedures against prejudiced or capricious academic standards or evaluations.

III. Participation in Academic Affairs

1. Students have the right, individually and collectively, to express their views on matters of general interest to the student body, including institutional policy, curriculum, and personnel decisions.
2. Students have the right to participate in the formulation and application of institutional policy affecting academic and student affairs.
3. Students should share in the formation of policies regarding degree

requirements, courses and curriculum, academic grading systems, standards of academic standing, and calendar arrangements.

4. Students should have the opportunity, individually and collectively, to assess the value of a course and to express their views on the form and conduct of a class which they have taken.

5. The results of an institutional mechanism used for students to assess courses and faculty, such as evaluation questionnaires, should be accessible to all members of the college community, and should be weighed in all decisions affecting faculty status and curriculum.

IV. Extracurricular Activities

1. Students should be free to form and join associations to promote their common interests.
2. Students have the right to express their opinions, individually and collectively, and to support causes in a manner that does not disrupt the orderly operation of the college.

V. Standards of Conduct

1. Students should participate in the formulation of standards of behavior which are considered essential to the educational mission and community responsibilities of the college.
2. The code of conduct, as a set of regulations and procedures, should be clearly stated and published in a handbook or other generally available set of institutional regulations.
3. In all cases, disciplinary procedures should protect the student from capricious and prejudicial application of the rules of conduct. Such procedures should also satisfy the requirements of procedural due process, including written notice with details of charges, sufficient time to prepare a defense, right to assistance in the defense, right to cross-examine witnesses and to present evidence, and the right to appeal the decision.

BOARD OF HIGHER EDUCATION

The By-Laws of the Board of Higher Education include an article which pertains to student life and conduct. It is reprinted below for your information.

ARTICLE XV — STUDENTS*

Section 15.0 PREAMBLE Academic institutions exist for the transmission of knowledge, the pursuit of truth, the development of students, and the general well-being of society. Student participation, responsibility, academic freedom, and due process are essential to the operation of the academic enterprise. As members of the academic community, students should be urged to develop the capacity for critical judgement and to engage in a sustained and independent search for truth.

Freedom to learn and to explore major social, political, and economic issues are necessary adjuncts to student academic freedom, as is freedom from discrimination based on racial, ethnic, religious, sex, political, and economic differentiations.

Freedom to learn and freedom to teach are inseparable facets of academic freedom. The concomitant of this freedom is responsibility. If members of the academic community are to develop positively in their freedom; if these rights are to be secure, then students should exercise their freedom with responsibility.

Section 15.1 CONDUCT STANDARD DEFINED. Each student enrolled or in attendance in any college, school, or unit under the control of the Board and every student organization, association, publication, club, or chapter shall obey the laws of the City, State, and Nation, and the bylaws and regulations of the Board of Higher Education and the policies, regulations, and orders of the college.

The faculty and student body at each college shall share equally the responsibility and the power to establish subject to approval of the Board more detailed rules of conduct and regulations in conformity with the general requirement of this Article.

This regulatory power is limited by the right of students to the freedoms of speech, press, assembly, and petition as applied to others in the academic community and to citizens generally.

Section 15.2 STUDENT ORGANIZATIONS. a. Any group of students may form an organization, association, club, or chapter by filing with the duly elected student government organization of the college or school at which they are enrolled or in attendance and with an officer to be designated by the faculty of the college or school at which they are enrolled or in attendance (1) the name and purposes of the organization, association, club, or chapter, (2) the names and addresses of its president and secretary or other officers

corresponding in function to president and secretary.

However, no group, organization, or student publication with a program against the religion, race, ethnic origin, or identification or sex of a particular group or which makes systematic attacks against the religion, race, ethnic origin, or sex of a particular group shall receive support from any fees collected by the college or be permitted to organize or continue at any college or school. No organizations, military or semi-military in character, not connected with established college or school courses, shall be permitted without the authorization of the faculty and the duly elected student government and the Board.

b. Extracurricular activities at each college or school shall be regulated by the duly elected student government organization to insure the effective conduct of such college or school as an institution of higher learning and for the prevention of activities which are hereafter proscribed or which violate the standards of conduct of the character set forth in Bylaw 15.1. Such powers shall include:

1. The power to charter or otherwise authorize teams (excluding inter-collegiate athletics), publications, organizations, associations, clubs, or chapters, and, when appropriate in the exercise of such regulatory power, the power to refuse, suspend, or revoke any charter or other authorization for cause after hearing on notice.

2. The power to delegate responsibility for the effective implementation of its regulatory functions hereunder to any officer or committee which it may appoint. Any aggrieved student or group whose charter or other authorization has been refused, suspended, or revoked may appeal such adverse action by such officer or committee of student government to the duly elected student government. On appeal an aggrieved student or group shall be entitled to a hearing following the due process procedures as set forth in Section 15.3. Following such hearing the duly elected student government shall have the authority to set aside, decrease, or confirm the adverse action.

c. Any person or organization affiliated with the college may file charges with the Office of the Dean of Students** alleging that a student publication has systematically attacked the religious, race, ethnic origin, or sex of a particular group, or has otherwise contravened the laws of the City, State, or Nation, or any bylaw or resolution of the board, or any policy, regulation, or order of the college, within a reasonable period of time after such occurrence. If the Dean of Students determines, after making such inquiries as he/she shall attempt to resolve the dispute, failing which he/she shall promptly submit the charges to the Faculty-Student Disciplinary Committee for disposition in accordance with the due process procedures of Section 15.3 hereof.

If the Committee sustains the charges or any part thereof against the student publication, the Committee shall be empowered to (1) reprimand the publication, or (2) recommend to the appropriate funding bodies the withdrawal of budget funds. The funding body shall have the authority to implement fully, modify, or overrule the recommendations.

d. Each college shall establish a Student Elections Review Committee in consultation with the various Student Governments. The Student Elections Review Committee shall approve the election procedures and certify the results of elections for student governments, and student body referenda.

Section 15.3 STUDENT DISCIPLINARY PROCEDURES. a. Any charge, accusation, or allegation which is to be presented against a student, and which, if proved, may subject a student to disciplinary action, must be submitted in writing in complete detail to the Office of the Dean of Students promptly by the individual, organization, or department making the charge.

b. Notice of the charge shall be personally delivered or sent by the Dean of Students to the student at the address appearing on the records of the college, by registered or certified mail and shall contain the following:

1. A complete and itemized statement of the charges being brought against the student including the rule, bylaw, or regulation he is charged with violating, and the possible penalties for such violation.

2. The time, the date (which will be as soon as practicable), and the place of meeting with a counselor from the Office of the Dean of Students or a qualified faculty member designated by the Dean of Students.

3. The student shall be advised of his rights in the proceeding and possible consequences. Specifically the notice shall include:

- A. A warning that anything he may say at this meeting may be used against him at a non-college hearing; therefore, he may have legal counsel present to advise him.

- B. A statement of his right to remain silent without assumption of guilt.

- C. A statement that the counselor is precluded from testifying in a college hearing regarding information received during the interview.

c. At the meeting with the counselor in the Office of the Dean of Students or qualified faculty member designated by the Dean of Students, the following procedure shall be in effect:

1. An effort will be made to resolve the charges by mutual agreement and where warranted to agree on the disciplinary action to be taken.

2. The counselor, if an agreement is reached, shall report his recommendations to the Dean of Students for affirmation and the complainant shall be so notified.

3. If no agreement is reached, or if the complainant or the student so requests, or if the student fails to appear, a hearing will be scheduled before the Faculty-Student Discipline Committee.

d. The student shall be informed in writing by registered or certified mail or by personal service of the hearing with sufficient particularity of the charges and of the time and place of hearing. Notice of at least five school days shall be given to the student in advance of the hearing unless the student consents to an earlier hearing. The notice shall advise the student of his right to have legal counsel and witnesses participate at the hearing.

e. At the hearing, before the Faculty-Student Discipline Committee, the following procedure shall apply:

1. The specific charges shall be read to the student. If the student admits the charges are true, he shall be given an opportunity to explain his actions before the Committee shall decide on the penalty. If the student denies the charge or is silent, the hearing must continue, the accusing party proceeding first. Both sides may introduce evidence and cross-examine witnesses.

2. The college shall make a record of each disciplinary hearing by some means such as a stenographic transcript, a tape recording, or the equivalent. A disciplined student is entitled upon request to a copy of such a transcript without cost.

3. The student shall have the option to a closed hearing and the right to request an open public hearing. However, a majority of the Committee shall have the right to hold a closed hearing when an open public hearing would adversely affect and be disruptive of the Committee's normal operations.

f. The student shall be sent a copy of the Committee's decision which shall be final subject to the student's right of appeal.

g. The Faculty-Student Disciplinary Committee shall consist of three faculty and three student members plus a chairman. The faculty members shall be selected by lot from a panel of six elected annually by the appropriate faculty body from among the persons having faculty rank or faculty status and the student members shall be selected by lot from a panel of six elected annually in an election in which all students registered at the college shall be eligible to vote. In the event that the Student or Faculty Panel, or both are not elected, the President shall have the duty to select the panel or panels which have not been elected. No member of the Committee shall serve more than two consecutive terms. The Chairman of the Committee shall be selected from among the remaining members of the panel and shall have the power to vote in case of a tie. A quorum shall consist of at least two students and two faculty members. Persons who are to be participants in the hearing as witnesses or who have been involved in preferring charges or who may participate in appeals procedure or any other person having a direct interest in the outcome of the hearing shall be disqualified from serving on the hearing panel. A lawyer from the General Counsel's Office of the Board may be present to act as legal advisor to the Committee.

Section 15.4 APPEALS. An appeal from the decision of the Faculty-Student Disciplinary Committee may be made to the president who may confirm or decrease the penalty but not increase it. His decision shall be final except in the case of dismissals or suspension for more than one term. An appeal from a decision of dismissal or suspension for more than one term may be made to the appropriate Committee of the Board. Any appeal under this section shall be made in writing within fifteen days after the delivery of the decision appealed from. This requirement may be waived in a particular case for good cause by the president or Board Committee as the case may be. If the president is a party to the dispute, his functions with respect to an appeal shall be discharged by an official of the University to be appointed by the Chancellor.

Section 15.5 SUSPENSION OR DISMISSAL. The Board reserves full power to dismiss or suspend a student, or suspend a student organization for conduct which impedes, obstructs, or interferes with the orderly and continuous administration and operation of any college, school, or unit of the University in the use of its facilities or in the achievement of its purposes as an educational institution.

A president or full dean may, in an emergency or extraordinary circumstances, temporarily suspend a student, or temporarily suspend the privileges of a student organization or group for cause, pending an early hearing as provided in Bylaw 15.3 to take place within not more than seven (7) school days. Prior to the commencement of a temporary suspension of a student, the college shall give such student oral or written notice of the charges against him/her and, if he/she denies them, the college shall forthwith give such student an informal oral explanation of the evidence supporting the charges and the student may present informally his/her explanation or theory of the matter. When a student's presence poses a continuing danger to persons or property or an ongoing threat of disrupting the academic process, notice and opportunity for denial and explanation may follow suspension, but shall be given as soon as feasible thereafter.

Section 15.6 THE UNIVERSITY STUDENT SENATE. There shall be a University Student Senate responsible, subject to the Board, for the information of University-wide student policy relating to the academic status, role, rights, and freedoms of the student. The authority and duties of the University Student Senate shall not extend to areas of interest which fall exclusively within the domain of the student governments of the constituent units of the University. Consistent with the authority of the Board of Higher Education in accordance with the Education Law and the bylaws of the Board of Higher Education, the University Student Senate shall make its own bylaws providing for the election of its own officers, the establishment of its own rules and procedures, for its internal administration and for such other matters as is necessary for its existence. The University Student Senate shall have full rights and responsibilities accorded student organizations as provided in these bylaws. The representatives to the University Student Senate shall be elected by their respective constituencies.

Section 15.7 COLLEGE GOVERNANCE PLANS. The provisions in a duly adopted college governance plan shall supersede any inconsistent provisions contained in this Article.

ARTICLE XVI—STUDENT ACTIVITY FEES AND AUXILIARY ENTERPRISES

Section 16.1 STUDENT ACTIVITY FEE: The student activity fee is the total of the fees for student government and other student activities. Student activity fees, including student government fees collected by a college of the university shall be deposited in a college central depository and, except when earmarked by the Board, allocated by a college association budget committee subject to review by the college association as required in these bylaws.

Section 16.2 STUDENT ACTIVITY FEES USE—EXPENDITURE CATEGORIES: Student activity fee funds shall be allocated and expended only for the following purposes:

1. Extracurricular educational programs;
2. Cultural and social activities;
3. Recreational and athletic programs;
4. Student government;
5. Publications and other media;
6. Assistance to registered student organizations;
7. Community service programs;
8. Enhancement of the college and university environment;
9. Transportation, administration and insurance related to the implementation of these activities;
10. Student services to supplement or add to those provided by the university;
11. Stipends to student leaders.

Section 16.3 STUDENT GOVERNMENT FEE: The student government fee is that portion of the student activity fee levied by resolution of the board which has been established for the support of student government activities. The existing student government fees now in effect shall continue until changed. Student government fees shall be allocated by the duly elected student government or each student government where more than one duly elected student government exists, for its own use and for the use of student organizations, as specified in section 15.2 of these bylaws, provided, however, that the allocation is based on a budget approved by the duly elected student government after notice and hearing, subject to the review of the college association. Where more than one duly elected student government exists, the college association shall apportion the student government fees to each student government in direct proportion to the amount collected from members of each student government.

Section 16.4 STUDENT GOVERNMENT ACTIVITY DEFINED: A student government activity is any activity operated by and for the students enrolled at any unit of the University provided, (1) such activity is for the direct benefit of students enrolled at the College, (2) that participation in the activity and the benefit thereof is available to all students enrolled in the unit or student government thereof, and (3) that the activity does not contravene the laws of the City, State, or Nation, or the published rules, regulations, and orders of the University or the duly established College authorities.

Section 16.5 COLLEGE ASSOCIATION: a. The college association shall have responsibility for the supervision and review over college student activity fee supported budgets. All budgets of college student activity fees, except where earmarked by the board to be allocated by another body, should be developed and allocated by a college association budget committee and recommended to the college association for review by the college association prior to expenditure. The college association shall review student activity fee, including student government fee allocations and expenditures only for conformance with the expenditure categories defined in section 16.2 of this article and the college association shall disapprove any allocation or expenditure it finds does not so conform.

b. A college association shall be considered approved for purposes of this article if it consists of at least eleven (11) members, its governing documents are approved by the college president and the following requirements are met:

1. The governing board of the college association is composed of at least one more student member than the combined total of faculty and administrative members and its chair is elected by and from the membership.

2. There are an equal number of faculty and administrative members.

3. The administrative members are appointed by the college president.

4. The faculty members are appointed by the college president from a panel whose size is twice the number of seats to be filled and the panel is elected by the appropriate college faculty governance body.

5. The student members are the student government president(s) and other elected students and the student seats are allocated on a basis which will provide representation to each government, where more than one exists, as nearly as practicable in proportion to the student activity fees provided by the students from the respective constituencies.

6. The college association structure provides for one or more budget committees composed of at least a majority of students selected in accordance with section 16.5(b) (5) of these bylaws. Each budget committee shall be empowered to receive and review student activity fee budget requests and to develop and allocate a budget subject to the review of the college association.

7. The governing documents of the college association have been reviewed by the board's general counsel and approved by the board.

Section 16.6 MANAGEMENT AND DISBURSEMENT OF FUNDS: The college and all student activity fee allocating bodies shall employ generally accepted accounting and investment procedures in the management of all funds. All funds for the support of student activities are to be disbursed only in accordance with approved budgets and be based on written documentation. A requisition for disbursement of funds must contain two signatures; one, the signature of a person with responsibility for the program; the other the signature of an approved representative of the allocating body.

Section 16.7 REVENUES: All revenues generated by student activities funded through student activity fees shall be placed in a college central depository subject to the control of the allocating body. The application of such revenues to the account of the income generating organization shall require the specific authorization of the allocating body.

Section 16.8 FISCAL ACCOUNTABILITY HANDBOOK: The chancellor or his/her designee shall promulgate regulations in a fiscal accountability handbook, to regulate all aspects of the collection, deposit, financial disclosure, accounting procedures, financial payments, documentation, contracts, travel vouchers, investments and surpluses of student activity fees and all other procedural and documentary aspects necessary, as determined by the chancellor or his designee to protect the integrity and accountability of all student activity fee funds.

Section 16.9 COLLEGE PURPOSES FUND: a. A college purposes fund may be established at each college and shall be allocated by the college president. This fund may have up to twenty five (25) percent of the unearmarked portion of the student activity fee earmarked to it by resolution of the

board, upon the presentation to the board of a list of activities that may be properly funded by student activity fees that are deemed essential by the college president.

b. Expenditures from the college purposes fund shall be subject to full disclosure under section 16.13 of these bylaws.

c. Referenda of the student body with respect to the use and amount of the college purposes fund shall be permitted under the procedures and requirements of section 16.12 of these bylaws.

Section 16.10 AUXILIARY ENTERPRISE BOARD: a. The auxiliary enterprise board shall have responsibility for the oversight, supervision and review over college auxiliary enterprises. All budgets of auxiliary enterprise funds and all contracts for auxiliary enterprises shall be developed by the auxiliary enterprise budget and contract committee and reviewed by the auxiliary enterprise board prior to expenditure or execution.

b. The auxiliary enterprise board shall be considered approved for the purposes of this article if it consists of at least eleven (11) members, its governing documents are approved by the college president, and the following requirements are met:

1. The governing board is composed of the college president or his/her designee as chair, plus an equal number of students and the combined total of faculty and administrative members.

2. The administrative members are appointed by the college president.

3. The faculty members are appointed by the college president from a panel whose size is twice the number of seats to be filled and the panel is elected by the appropriate college faculty governance body.

4. The student members are the student government president(s) and other elected students and the student seats are allocated on a basis which will provide representation to each government, where more than one exists, as nearly as practicable, in proportion to the student enrollment by headcount from the respective constituencies.

5. The auxiliary enterprise board structure provides for a budget and contract committee composed of a combined total of faculty and administrative members that is one more than the number of student members. The budget and contract committee shall be empowered to develop all contract and budget allocation proposals subject to the review and approval of the auxiliary enterprise board.

6. The governing documents of the auxiliary enterprise board have been reviewed by the board's general counsel and approved by the board.

Section 16.11 THE REVIEW AUTHORITY OF COLLEGE PRESIDENTS OVER STUDENT ACTIVITY FEE ALLOCATING BODIES AND AUXILIARY ENTERPRISE BOARDS: a. The president of the college shall have the authority to disapprove any student activity fee, including student government fee, or auxiliary enterprise allocation or expenditure, which in his or her opinion contravenes the laws of the city, state, or nation or any bylaw or policy of the university or any policy, regulation, or order of the college. If the college president chooses to disapprove an allocation or expenditure, he or she shall consult with the general counsel and vice chancellor for legal affairs and thereafter communicate his/her decision to the allocating body or auxiliary enterprise board.

b. The president of the college shall have the authority to suspend and send back for further review any student activity fee, including student government fee, allocation or expenditure which in his or her opinion is not within the expenditure categories defined in section 16.2 of this article. The college association shall, within ten (10) days of receiving a proposed allocation or expenditure for further review, study it and make a recommendation to the president with respect to it. The college president shall thereafter consider the recommendation, shall consult with the general counsel and vice chancellor for legal affairs, and thereafter communicate his/her final decision to the allocating body as to whether the allocation or expenditure is disapproved.

c. The chancellor or his designee shall have the same review authority with respect to university student activity fees that the college president has with respect to college student activity fees.

d. All disapprovals exercised under this section shall be filed with the general counsel and vice-chancellor for legal affairs.

e. Recipients of extramural student activity fees shall present an annual report to the chancellor for the appropriate board committee detailing the activities, benefits and finances of the extramural body as they pertain to the colleges where students are paying an extramural fee.

Section 16.12 REFERENDA: A referendum proposing changes in the Student Activity Fee shall be initiated by a petition of at least 10% of the appropriate student body and voted upon in conjunction with student government elections.

a. Where a referendum seeks to earmark Student Activity fees for a specific purpose or organization without changing the total Student Activity Fee, the results of the referendum shall be sent to the College Association for implementation.

b. Where a referendum seeks to earmark Student Activity Fees for a specific purpose or organization by changing the total Student Activity Fee, the results of such referendum shall be sent to the Board by the President of the College together with his/her recommendation.

c. At the initiation of a petition of at least ten (10) percent of the appropriate student body, the college president may schedule a student referendum at a convenient time other than in conjunction with student government elections.

d. Where the referendum seeks to affect the use or amount of student activity fees in the college purposes fund, the results of the referendum shall be sent to the board by the college president together with his/her recommendation.

Section 16.13 DISCLOSURE: (a) The College President shall be responsible for the full disclosure to each of the Student Governments of the College of all financial information with respect to Student Activities Fees.

b. The Student Governments shall be responsible for the full disclosure to its constituents of all financial information with respect to Student Government Activity Fees.

c. The student activity fee allocating bodies shall be responsible for full disclosure of all financial information to its membership, to the College, and to the Student Governments with respect to all of its activities.

d. The auxiliary enterprise board shall be responsible for the full disclosure of all financial information to its membership, to the college and to the student governments with respect to auxiliary enterprises.

e. For purposes of the foregoing paragraphs, full disclosure shall mean the presentation each semester of written financial statements which shall include, but need not be limited to, the source of all fee income by constituency, income from other sources creditable to Student Activity Fee accounts, disbursements, transfers, past reserves, surplus accounts, contingency and stabilization funds. Certified independent audits performed by a public auditing firm shall be conducted at least once a year.

Section 16.14 STIPENDS: The payment of stipends to student leaders is permitted only within those time limits and amounts authorized by the board.

POLICY ON PAYMENT OF STIPENDS TO STUDENT LEADERS: The Board believes and intends that service as a student leader should be an educational experience. Recognizing the educational role of student leadership positions, the Board, while not encouraging the payment of stipends, believes some stipend payments to student leaders should be allowed within the parameters outlined below.

1. Stipend payments to student leaders shall be limited to two (2) years in the university, except:

a. A student leader elected to an office of the University Student Senate shall be allowed three (3) years of stipend payments, with no more than two (2) years of stipend payments as an officer of the University Student Senate.

b. A student who receives two (2) years of stipend payments as an undergraduate student leader, shall be permitted a third (3rd) year of stipend payments as a graduate student leader.

2. The amount of stipend payments to student leaders shall be limited as follows:

a. College student leaders shall be limited to a maximum of \$2,200 per year and no more than \$1,100 per semester.

b. The Chairperson of the University Student Senate shall be limited to a maximum of \$6,000 per year and no more than \$3,000 per semester.

c. Vice-Chairpersons of the University Student Senate shall be limited to a maximum of \$3,300 per year and no more than \$1,650 per semester.

3. No student leader shall for the same time period receive more than one stipend, or be an employee of or receive any other compensation from a student activity fee allocating body.

4. The Chancellor or his designee shall periodically review the schedule of stipend payments, and report to the Board on any adjustments he recommends as being appropriate.

5. This policy shall be effective immediately, except that student leaders currently receiving a stipend may continue to receive said stipend at the existing rate until the end of their current term of office.

EXPLANATION: This stipend policy is adopted pursuant to Bylaw section 16.14 to authorize the payment of stipends to student leaders within the time limits and amounts set forth above.

(The above amended Bylaws of the Board of Trustees of the City University of New York were approved at the April 25, 1983 meeting of the Board.)

RULES AND REGULATIONS FOR THE MAINTENANCE OF PUBLIC ORDER PURSUANT TO ARTICLE 129A OF THE EDUCATION LAW

The tradition of the university as a sanctuary of academic freedom and center of informed discussion is an honored one, to be guarded vigilantly. The basic significance of that sanctuary lies in the protection of intellectual freedoms: the rights of professors to teach, of scholars to engage in the advancement of knowledge, of students to learn and to express their views, free from external pressures or interference. These freedoms can flourish only in an atmosphere of mutual respect, civility, and trust among teachers and students, only when members of the university community are willing to accept self-restraint and reciprocity as the condition upon which they share in its intellectual autonomy.

Academic freedom and the sanctuary of the University campus extend to all who share these aims and responsibilities. They cannot be invoked by those who would subordinate intellectual freedom to political ends, or who violate the norms of conduct established to protect that freedom. Against such offenders the University has the right, and indeed the obligation, to defend itself. We accordingly announce the following rules and regulations to be in effect at each of our colleges which are to be administered in accordance with the requirements of due process as provided in the Bylaws of the Board of Higher Education.

With respect to enforcement of these rules and regulations we note that the Bylaws of the Board of Higher Education provided that:

"THE PRESIDENT. The president, with respect to his educational unit, shall:

"a. Have the affirmative responsibility of conserving and enhancing the educational standards of the college and schools under his jurisdiction;

"b. Be the advisor and executive agent of the Board and of his respective College Committee and as such shall have the immediate supervision with full discretionary power in carrying into effect the bylaws, resolutions, and policies of the Board, the lawful resolutions of any of its committees and the policies, programs, and lawful resolutions of the several faculties;

"c. Exercise general superintendence over the concerns, officers, employees, and students of his educational unit. . . ."

I. RULES

1. A member of the academic community shall not intentionally obstruct and/or forcibly prevent others from the exercise of their rights. Nor shall he interfere with the institution's educational processes or facilities, or the rights of those who wish to avail themselves of any of the institution's instructional, personal, administrative, recreational, and community services.

2. Individuals are liable for failure to comply with lawful directions issued by representatives of the University/college when they are acting in their official capacities. Members of the academic community are required to show their identification cards when requested to do so by an official of the college.

3. Unauthorized occupancy of University/college facilities or blocking access to and from such areas is prohibited. Permission from appropriate college authorities must be obtained for removal, relocation, and use of University/college equipment and/or supplies.

4. Theft from or damage to University/college premises or property, or theft of or damage to property of any person on University/college premises is prohibited.

5. Each member of the academic community or an invited guest has the right to advocate his position without having to fear abuse, physical, verbal, or otherwise from others supporting conflicting points of view. Members of the academic community and other persons on the college grounds shall not use language or take actions reasonably likely to provoke or encourage physical

violence by demonstrators, those demonstrated against, or spectators.

6. Action may be taken against any and all persons who have no legitimate reason for their presence on campus within the University/college, or whose presence on any such campus obstructs and/or forcibly prevents others from the exercise of their rights or interferes with the institution's educational processes or facilities, or the rights of those who wish to avail themselves of any of the institution's instructional, personal, administrative, recreational, and community services.

7. Disorderly or indecent conduct on University/college-owned or controlled property is prohibited.

8. No individual shall have in his possession a rifle, shotgun, or firearm or knowingly have in his possession any other dangerous instrument or material that can be used to inflict bodily harm on an individual or damage upon a building or the grounds of the University/college without the written authorization of such educational institution. Nor shall any individual have in his possession any other instrument or material which can be used or is intended to inflict bodily harm on an individual or damage upon a building or the grounds of the University/college.

II. PENALTIES

1. Any student engaging in any manner in conduct prohibited under substantive Rules 1-8 shall be subject to the following range of sanctions as hereafter defined in the attached Appendix: admonition, warning, censure, disciplinary probation, restitution, suspension, expulsion, ejection, and/or arrest by the civil authorities.

2. Any tenured or non-tenured faculty member, or tenured or non-tenured member of the administrative or custodial staff engaging in any manner in conduct prohibited under substantive Rules 1-8 shall be subject to the following range of penalties: warning, censure, restitution, fine not exceeding those permitted by law or by the Bylaws of the Board of Higher Education, or suspension with/without pay pending a hearing before an appropriate college authority, dismissal after a hearing, ejection, and/or arrest by the civil authorities. In addition, in the case of a tenured faculty member, tenured member of the administrative or custodial staff engaging in any manner in conduct prohibited under substantive Rules 1-8 shall be entitled to be treated in accordance with applicable provisions of the Education Law or Civil Service Law.

3. Any visitor, licensee, or invitee, engaging in any manner in conduct prohibited under substantive Rules 1-8 shall be subject to ejection and/or arrest by the civil authorities.

APPENDIX

SANCTIONS DEFINED:

A. **ADMONITION.** An oral statement to the offender that he has violated university rules.

B. **WARNING.** Notice to the offender, orally or in writing, that continuation or repetition of the wrongful conduct, within a period of time stated in the warning, may be cause for more severe disciplinary action.

C. **CENSURE.** Written reprimand for violation of specified regulation, including the possibility of more severe disciplinary sanction in the event of conviction for the violation of any university regulation within a period stated in the letter of reprimand.

D. **DISCIPLINARY PROBATION.** Exclusion from participation in privileges or extracurricular university activities as set forth in the notice of disciplinary probation for a specified period of time.

E. **RESTITUTION.** Reimbursement for damage to or misappropriation of property. Reimbursement may take the form of appropriate service to repair or otherwise compensate for damages.

F. **SUSPENSION.** Exclusion from classes and other privileges or activities as set forth in the notice of suspension for a definite period of time.

G. **EXPULSION.** Termination of student status for an indefinite period. The conditions for readmission, if any is permitted, shall be stated in the order of expulsion.

H. **COMPLAINT TO CIVIL AUTHORITIES.**

I. **EJECTION.**

RESOLVED, That a copy of these rules and regulations be filed with the Regents of the State of New York and with the Commissioner of Education.

RESOLVED, That these rules and regulations be incorporated in each college bulletin.

Adopted by the Board of Higher Education
June 23, 1969, Calendar No. 3(b)

**RULES AND REGULATIONS FOR STUDENTS
PURSUANT TO ARTICLE 224A**

1. No person shall be expelled from or be refused admission as a student to an institution of higher education for the reason that he is unable, because of his religious beliefs, to attend classes or to participate in any examination, study or work requirements on a particular day or days.

2. Any student in an institution of higher education who is unable, because of his religious beliefs, to attend classes on a particular day or days shall, because of such absence on the particular day or days, be excused from any examination or any study or work requirements.

3. It shall be the responsibility of the faculty and of the administrative officials of each institution of higher education to make available to each student who is absent from school, because of his religious beliefs, an equivalent opportunity to make up any examination, study or work requirements which he may have missed because of such absence on any particular day or days. No fees of any kind shall be charged by the institution for making available to the said student such equivalent opportunity.

4. If classes, examinations, study or work requirements are held on Friday after four o'clock post meridiem or on Saturday, similar or makeup classes, examinations, study or work requirements shall be made available on other days, where it is possible and practicable to do so. No special fees shall be charged to the student for these classes, examinations, study or work requirements held on other days.

5. In effectuating the provisions of this section, it shall be the duty of the faculty and of the administrative officials of each institution of higher education to exercise the fullest measure of good faith. No adverse or prejudicial effects shall result to any student because of his availing himself provisions of this section.

6. Any student who is aggrieved by the alleged failure of any faculty or administrative officials to comply in good faith with the provisions of this section shall be entitled to maintain an action or proceeding in the supreme court of the county in which such institution of higher education is located for the enforcement of his rights under this section.

6a. A copy of this section shall be published by each institution of higher education in the catalog of such institution containing the listing of available courses.

7. As used in this section, the term "institution of higher education" shall mean schools under the control of the Board of Trustees of the State University of New York or of the Board of Higher Education of the City of New York or any community college.

* For graduate students at the Graduate Division the President of the Graduate Division shall, insofar as practicable, establish procedures, consistent with this Article, to implement the provisions thereof. The sections on student activity fees shall apply to the Graduate Division.

** Throughout these bylaws in any college or unit where the title "Dean of Students" does not exist, the same shall refer to the officer performing the functions which would otherwise be performed by a Dean of Students.



Abbreviations

A

ABS	Absence
APT	Advanced placement test
APTS	Aid to Part-Time Students
ALAS	Auxiliary Loans to Assist Students

B

BA	Bachelor of Arts
BFA	Bachelor of Fine Arts
BMus	Bachelor of Music
BS	Bachelor of Science

C

C/NCR	credit/no credit
CLEP	College-level Examination Program
conf	conference
coreq	corequisite
CPE	College Placement Examination
cr	credit(s)
CRT	cathode ray tube
CSAF	CUNY Student Aid Form
CUNY	City University of New York
CWS	College Work Study

D

D	day
demo	demonstration
dept	department
disc	discussion

E

E	evening
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F

Fa	Fall
ff	following
FP&B	Faculty Personnel and Budget Committee
FSAT	Freshman Skills Assessment Test

G

GPA	Grade point average
GSL	Guaranteed Student Loan

H

HEGIS	Higher Education General Information Survey
hr(s)	hour(s)

I

ID	identification
INC	incomplete
inst	instructor

J

Jr	Junior
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K

K-12	Kindergarten through 12th grade
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L

lab	laboratory
lec	lecture

M

MA	Master of Arts
MARC	Minority Access to Research Careers
MBRS	Minority Biomedical Research Support
MS	Master of Science
MSEd	Master of Science in Education
MSW	Master of Social Work
MUP	Master of Urban Planning

N

NDSL	National Direct Student Loan
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P

perm	permission
PhD	doctor of philosophy
PLUS	Parent Loans for Undergraduate Students
prereq	prerequisite

R

rec	recommendation
recit	recitation

S

Sec. Ed.	Secondary education
SEEK	Search for Education, Elevation, and Knowledge
sem	semester
SEOG	Supplemental Educational Opportunity Grant
Sp	Spring
Sr	Senior
Su	Summer

T

TAP	Tuition Assistance Program
TBA	to be arranged
TOEFL	Test of English as a Foreign Language
TTT	Training Tomorrow's Teachers

W

W	withdrawal without penalty
WU	withdrew, failing or without approval

Y

yr	year
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