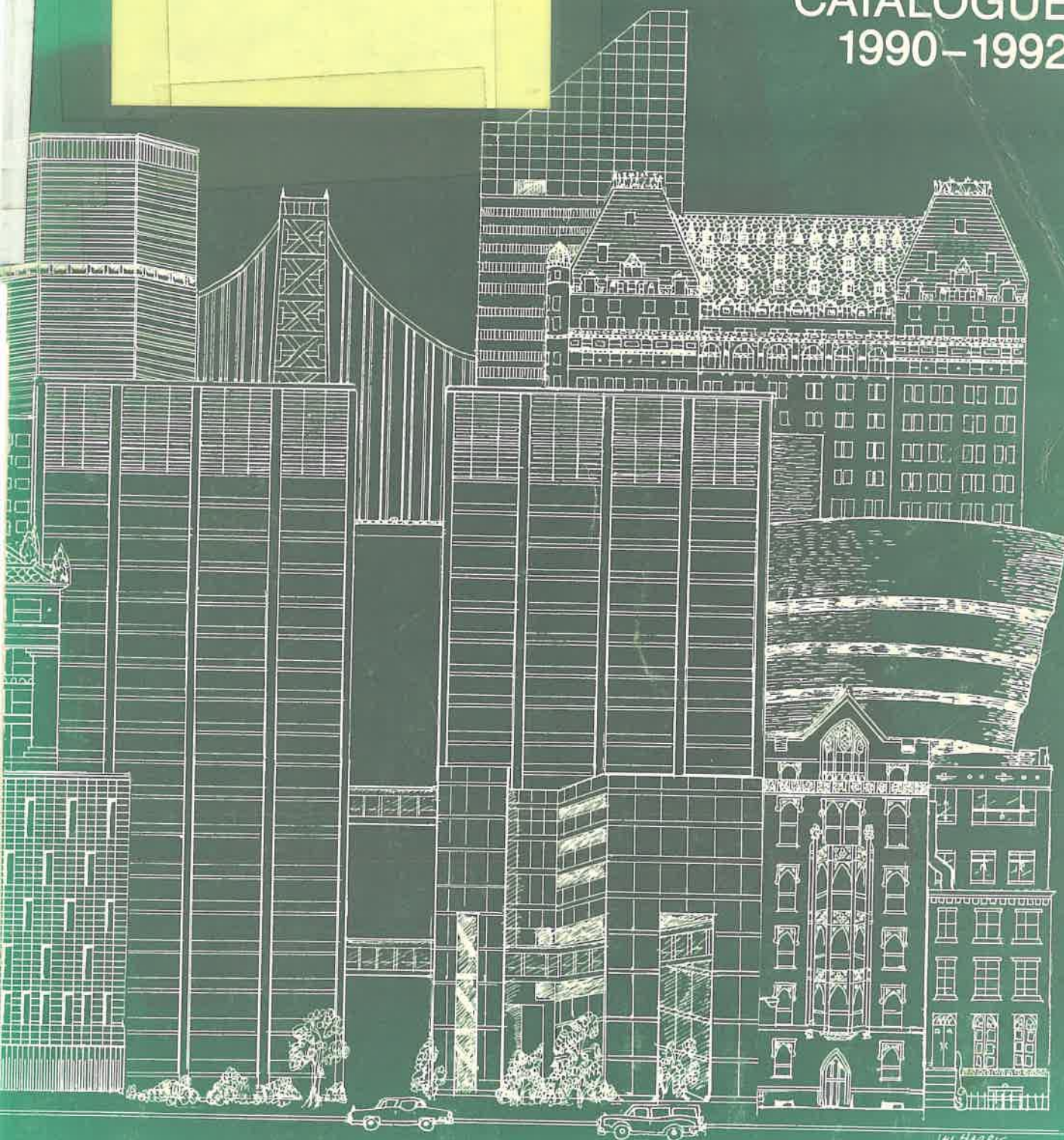


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**HUNTER
COLLEGE**
OF THE CITY UNIVERSITY
OF NEW YORK

**UNDERGRADUATE
CATALOGUE
1990-1992**



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HUNTER COLLEGE

OF THE CITY UNIVERSITY
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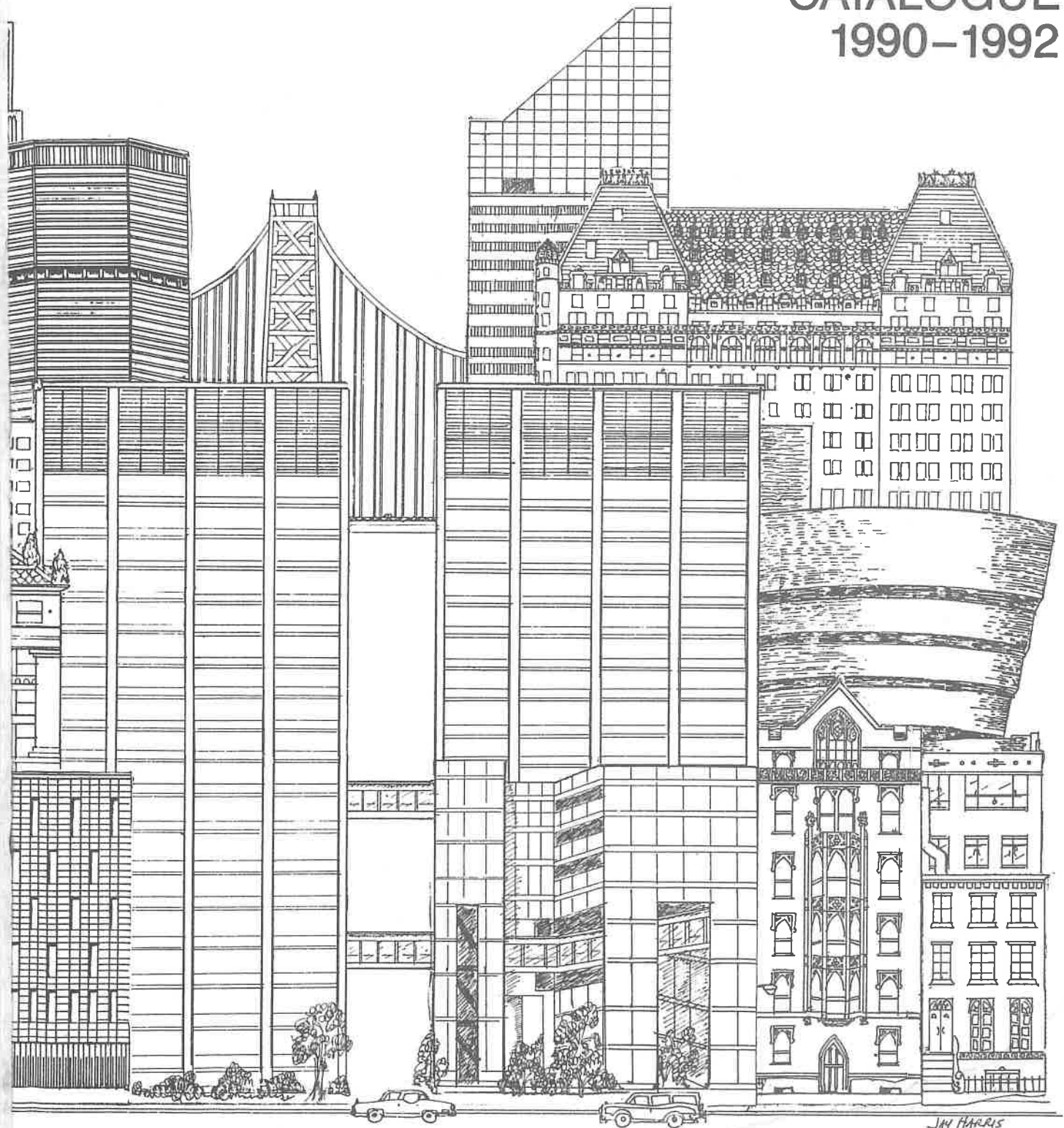
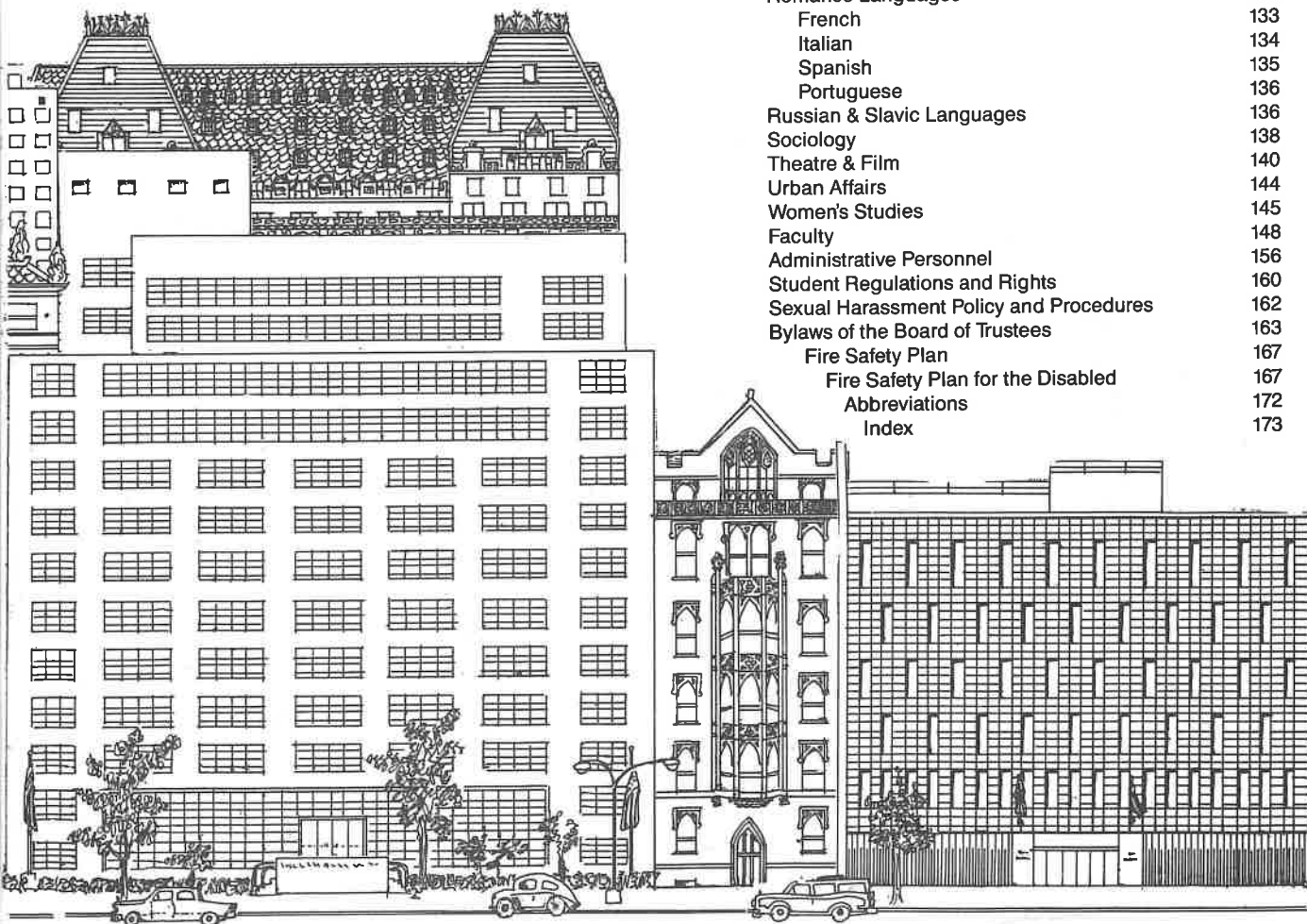




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Hunter College

Hunter College, the second oldest college in The City University of New York, is a coeducational, fully accredited college, with a large and diverse 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.

Hunter's total enrollment is over 19,500. Of these about 8,000 are full-time undergraduates. An additional 7,000 part-time students are divided between degree and non-degree programs. Over 4,000 graduate students are studying in arts and sciences and teacher education programs and at the Schools of Social Work, Health Sciences, and Nursing.

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 achieved 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 goal 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 associate 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 beginning through advanced levels. Students who successfully complete the Institute's most advanced level are not required to take the Test of English as a Foreign Language (TOEFL) for admission to undergraduate degree programs at Hunter. The IELI phone number is (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.

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 70,000 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 counseling conferences for students, and the Annual Meeting, and through *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 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. 16 under "College Programs." In 1989-1990, more than \$500,000 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 also enriches instructional resources not provided for in the public budget.

Admissions

Office of Admissions

Hunter College
695 Park Avenue
New York, NY 10021
(212) 772-4490

Students may apply for admission to the College for either degree status (matriculation) or non-degree status (non-matriculation). Application fees are 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 (fewer 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 are not interested in earning a degree but wish to enroll in courses relating to special interests, career advancement, preparation for graduate school, etc., may be admitted as non-degree students.

ADMISSION WITH DEGREE STATUS

Applications for degree status fall into one of 4 categories—Freshman, Transfer (Advanced Standing), Readmission, and Non-degree to Degree. Applications may be obtained in the Office of Admissions, Hunter College North Building, Room 203 or by calling 772-4490.

1. Freshman Applications for this status are processed by the University Application Processing Center (UAPC), P.O. Box 136, Bay Station, Brooklyn, NY 11235-9006; (212) 947-4800. An application fee of \$30.00, in the form of a check or money order payable to UAPC, is required of all applicants.

2. Transfer (Advanced Standing) Applicants for this status are processed by the University Application Processing Center (UAPC), P.O. Box C639, Bay Station, Brooklyn, NY 11235-9006; (212) 947-4800. An application fee of \$30.00, in the form of a check or money order payable to UAPC, is required of all applicants, who are not currently attending a unit of CUNY.

3. Readmission Applications for this status are available in the Registrar's Office, Hunter College North Building, Room 217. A readmission fee of \$10.00 in form of a check or money order payable to Hunter College, is required of all degree applicants.

4. Non-degree to Degree Students wishing to have their status changed from non-degree to degree (with the exception of students who have completed secondary and/or post-secondary work in another country and students who want to apply to programs in the Schools of Health Sciences or Nursing) are processed directly by the Hunter College Admissions Office, 695 Park Avenue, New York, NY 10021; (212) 772-4490. A readmission fee of \$10.00, in the form of a check or money order, payable to Hunter College, is required of all applicants *not* currently enrolled at Hunter.

Students applying to a program in the Schools of Health Science or Nursing as well as students educated abroad file a transfer (advanced standing) application.

I. Freshman Admission

Students who wish to apply to Hunter College 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 GED score of 270. SAT scores and rank in class are considered for currently enrolled high school seniors only.

Students whose City University freshman applications are completed on or before October 15 for spring admission or January 15 for fall admission will be considered for all programs offered. Applications completed after these dates will be processed on a space-available basis depending upon the program selected.

Those interested in programs within the School of Nursing or the School of Health Sciences should refer to the sections devoted to these schools. These programs do not admit students as freshmen. Applicants for freshman admission should apply for the pre-nursing or pre-health sciences programs.

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

Special Admission Programs for Freshmen

Early Admission 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 3 high school recommendations. Students are admitted only in the fall semester. Applications must be filed directly with Hunter's Admissions Office before April 1.

SEEK Program (Search for Education, Elevation, and Knowledge), a program of The City University of New York, helps economically and educationally disadvantaged students who do not meet the standard admission criteria 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. 14 for additional information.)

II. Transfer (Advanced Standing) and Non-degree to Degree Admission

Students applying for admission after having attended another regionally accredited college or university or Hunter (as a non-degree student) must meet the following minimum criteria (with the exception of the School of Nursing and the School of Health Sciences):

Number of Credits Earned (i.e. credits <i>completed</i> at time of application)	Admission Requirement
0 – 13.9	High School academic average of at least 80% or GED of 270 and a cumulative college grade point average of at least 2.0
14 – 23.9	High School academic average of at least 80% and a cumulative college grade point of at least 2.0 or A cumulative grade point average of at least 2.5 regardless of high school academic average
24 or more credits	A cumulative grade point average of at least 2.0

Non-degree students who have attended Hunter College as well as those currently enrolled must have a minimum grade point average of 2.0 in their Hunter course work.

Deadline for Filing Transfer (Advanced Standing) Transfer and Non-degree to Degree Applications

Students whose City University transfer applications are completed on or before November 1 for spring admission or March 15 for fall admission will be considered for all programs offered. Applications completed after these dates will be processed on a space-available basis depending upon the program selected. Students filing a Hunter College non-degree to degree application must do so on or before December 1 for spring admission or July 1 for fall admission.

Admission to Health Sciences and Nursing

All students who wish to be considered for admission to programs in the schools of Health Sciences and Nursing, including those previously enrolled at Hunter, must file a transfer application. Students currently enrolled at Hunter as degree students should consult the Admissions Office for the appropriate application.

School of Health Sciences

The requirements for consideration for admission to programs in the School of Health Sciences are as follows:

Community Health Education Completion of 60 credits; minimum GPA of 2.5; one semester of biology with lab.

Medical Laboratory Sciences Completion of 60 credits; minimum GPA of 2.5; one year of general chemistry with lab; one year of biology with lab.

Nutrition and Food Science Completion of 60 credits; minimum GPA of 2.5; and 2 of the following 3 prerequisites: one semester of general chemistry with lab, one semester of organic chemistry with lab, one semester of biology with lab.

Physical Therapy Completion of 64 credits; minimum 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; one semester of college-level mathematics (no more than one semester of any of the above may be completed during the summer preceding entrance). Applicants must present documented evidence of exposure to the profession through 100 hours of either volunteer work or paid employment. A personal interview is required. Applicants should contact the program by calling (212) 481-4469 between November 1 and February 1 to schedule an interview and to receive a clinical experience form. The form must be completed and returned to the program by March 15. Students enter this program in the fall only.

Note: The physical therapy program is highly competitive. Approximately one out of every 8 applicants are admitted each year. The student's grade point average, completion of prerequisite courses, number and type of college credits earned, quality of clinical experience, and interview results are all carefully considered in making admission decisions. Neither a high grade point average nor any other single attribute guarantees admission.

School of Nursing

The nursing program has 2 pathways: the Generic Pathway, for students without an RN license, and the RN Pathway, for those who have completed a nursing program and have, or are about to receive, a license to practice professional nursing in New York State. Both pathways are upper-division programs (students are admitted only upon completion of 64 college credits). Freshmen or

those with fewer than 64 credits may apply to pre-nursing and must re-apply to the School of Nursing after completing 64 credits and all admission requirements listed below.

Applicants to both pathways must have a minimum overall GPA of 2.5. However, the minimum GPA is variable and is determined by the academic strength of the applicant pool. All applicants, except those who hold a U.S.-accredited baccalaureate degree, are required to pass the Hunter College skills assessment tests in reading, writing, and mathematics before the beginning of their first semester.

Generic Pathway Program Applicants must have completed 64 college credits (including credits in progress), including the following prerequisites: 2 semesters of human anatomy and physiology, and one semester each of microbiology, general chemistry with lab, organic chemistry with lab, expository writing, and psychology. A minimum grade of "C" must be attained in the aforementioned science courses. The Generic Pathway Program admits students in the fall semester only. Students must attend during the day on a full-time basis.

RN Pathway Program Applicants must have completed 40 credits of liberal arts and sciences (including credits in progress) at an accredited college plus the equivalent of 24 credits in nursing. In order to validate knowledge of nursing, all students must take and pass the Regents College Examinations (RCE) in adult nursing, maternal and child nursing, and psychiatric/mental health nursing before the end of their first semester. [For more information about the RCEs, contact the State Education Department in Albany, NY; (518) 473-8957.] All applicants must be licensed to practice professional nursing in New York State before the beginning of their first semester. A one-semester extension is granted for recent graduates of associate degree programs. The RN Pathway Program admits students in both the fall and spring semesters. RN Pathway students may attend during the day or evening on a full- or part-time basis.

III. Degree Readmission

Undergraduate students who have not been in attendance for one or more semesters and did not receive a degree from the College must apply for readmission. However, there is no need to apply for readmission if you received an official withdrawal ("W" grade) for the semester prior to the one in which you would like to return. Students with a grade point average of 2.0 or higher who have no stops on their record are approved for readmission. The Office of Student Services or the Department of Academic Skills (for SEEK students) must review all records of students with GPAs below 2.0. Students are encouraged to file their applications for readmission at least 3 months in advance of the printed deadline. Deadlines for readmission are December 1 for spring, May 1 for summer and July 1 for fall admission. The current "Schedule of Classes" should be consulted for changes in readmission policy.

SEEK students who have not been in attendance for 4 or more semesters and/or have been in the program for 10 semesters will not be readmitted to SEEK. Students with more than 60 credits who do not wish to return to SEEK must receive a release from the director of the SEEK program.

International Degree Applicants

International 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 at least 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 international students, they must be in a position to finance the cost of their education and living expenses (estimated at \$13,000 to \$15,000 per year).

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.

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 prearranged 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 AB form (required by the US Immigration Office) is issued only to students who have been accepted as full-time matriculants.

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

ADMISSION WITH NON-DEGREE AND PERMIT STATUS

General Rules for 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 may register for any course for which space is available at the time of registration, provided they have met the prerequisites, and have taken and passed applicable placement tests.

Non-degree students are required to demonstrate basic levels of competence in reading, writing and mathematics through proficiency testing prior to registration. These tests determine whether or not a student is prepared for courses in the college curriculum, and do not guarantee placement in specific courses. Students who do not comply with the testing requirements will find access to courses severely limited. (Baccalaureate degree holders from regionally accredited U.S. institutions and senior citizens are exempt from testing, provided proof is submitted along with their application.)

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 by May 15 for fall semester, November 1 for spring semester, and May 1 for summer term.

A non-degree admission fee of \$30.00 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 information.

High School Seniors

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

Non-degree Readmission

Undergraduate students who have not been in attendance for one

or more semesters must apply for readmission. However, there is no need to apply for readmission if you received an official withdrawal ("W" grade) for the semester prior to the one in which you would like to return. Students with a grade point average of 2.0 or higher who have no stops on their record are approved for readmission. The Office of Student Services must review all records of students with GPAs below 2.0. Students are encouraged to file their applications for readmission in advance of the printed deadline in order to allow enough time for processing. Deadlines for readmission are December 1 for spring, May 1 for summer and July 1 for fall admission. The readmission fee of \$10.00 will be charged at registration.

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 Registrar's Office.

CREDIT FOR COLLEGE-LEVEL WORK

Credit Earned at Other Institutions (Transfer Credit)

Coursework taken at other institutions is evaluated after the student is matriculated at Hunter. The Evaluation Unit of the Admissions Office, which determines whether and how much credit is granted, mails evaluations directly to the student. (For students who have studied abroad see below.)

Credits Eligible for Transfer Generally, all college-level liberal arts courses taken at an accredited institution in which the student earned a grade of C or better (D or better for colleges within the City University) are accepted for credit up to the maximum allowed.

Note that although grades in courses taken at other institutions are considered in making admissions and transfer-credit decisions; they are *not* entered on the student's Hunter College record nor are they computed in the student's cumulative grade point average at Hunter. However, all credits and grades earned at Hunter College while in a non-degree status will be credited toward the degree and calculated in the cumulative grade point average.

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.

Number of Credits Transferable The maximum total number of credits that may be transferred from all other accredited institutions to Hunter College is 95. There is a 75-credit limit on the number of credits that may be transferred from 2-year institutions.

All candidates for a degree at Hunter must take a minimum of 30 credits as a degree student at the College, including at least half the credits needed for the major and half required for the minor; in the case of an interdepartmental field, half of the total credits required must be taken at Hunter.

Student Reporting Requirements 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 courses taken at schools not listed and referral to the Admissions Review Committee for reconsideration of eligibility for admission status.

The student is responsible for submitting updated transcripts for coursework that was in progress at the time the student filed an application within one year of the date of admission to Hunter College. Updated official transcripts should be sent to the Evaluation Unit of the Admissions Office.

Courses Taken Abroad Coursework taken in other countries is evaluated for transfer-credit decisions after the student has been

admitted and has registered for the first semester at Hunter. The International Student Advisor in the Office of Student Services makes the evaluation. Applicants for transfer credit should submit catalogues or detailed descriptions of post-secondary-level courses taken to facilitate transfer decisions.

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 requirement must be met, and at least 30 credits of Hunter coursework, including half the major and half the minor, must be taken at Hunter.

Courses at Other Accredited Institutions 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. *Note:* Hunter students may not take courses on permit during their final semester prior to graduation.

Independent Learning by Achievement Contract (ILBAC) 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, written paper, artistic performance, laboratory experiment, public lecture, or research. Students must plan the project 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. Enrollment in such courses always requires prior departmental approval. The student does not always have to be on campus while completing the work.

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

TUITION

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

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

Out-of-state Residents and International Students*
 All full-time undergraduates **\$2,025.00 per semester**
 All part-time undergraduates **\$170.00 per credit**

Note: Students in combined BA-MA/MS programs will pay undergraduate tuition rates up to 128 credits. Any credits taken after 128 toward the combined degree are to be paid at the graduate level.

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.

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.

Note: All tuition charges and fees listed in College publications are subject to change without prior notice.

3. Aid for Part-Time Study (APTS).
4. CUNY application for Federal and State Student Aid (AFSSA), which is the application that must be completed in order to be considered for
 - a. College Work-Study
 - b. Carl D. Perkins Loan
 - c. Supplemental Educational Opportunity Grant
 - d. SEEK
 - e. Guaranteed Student Loan (GSL)*
 - f. Hunter Fund*
 - g. Scholarship and Welfare Fund*
 - h. Charlotte Newcombe Award.*
5. Mayor's Scholarship Program.

FEDERAL GRANT AND WORK PROGRAMS

Federal grant programs give undergraduate students an opportunity to receive "free money" while attending college. Federal work programs, instead, enable the student to "learn and earn" while attending college.

Pell Grants

The Pell Grant Program is an entitlement program that provides funds to undergraduates who are pursuing a first undergraduate degree and who need assistance as determined by federal need analysis. Scholastic accomplishment has no bearing on initial eligibility, although the student must make satisfactory progress to maintain eligibility. Recipients must be enrolled on at least a half-time basis.

Awards at CUNY currently range from \$100 to \$2,010. They cannot exceed 60% of the total cost of attendance as defined by the Pell Grant Program. The deadline for filing for the Pell Grant is May 1 of the following year (e.g., for the 1990-91 academic year, the filing deadline would be May 1, 1991).

Supplemental Educational Opportunity Grant Program (SEOG)

The SEOG is designed to assist needy students. It does not require repayment. To be eligible the student must be in financial need, enrolled as an undergraduate, and willing to accept self-help aid (College Work Study, Perkins Loan). Awards at Hunter range from \$200 to \$800 depending upon funding.

College Work Study Program (CWS)

Through this program, students earn part of their college costs and are given an opportunity to broaden their educational experience on and off campus by participating in many aspects of academic and community life. To encourage employers to use this program, the Federal Government pays up to 80% of the student's wages.

Federal Aid to Native Americans

To be eligible, the student must be at least one-fourth American Indian, Eskimo, or Aleut; be an enrolled member of a tribe, band, or group on record with the Bureau of Indian Affairs; be a matriculated degree student; and demonstrate financial need. Students must maintain a satisfactory academic record. For further information, contact the U.S. Department of the Interior, Bureau of Indian Affairs, Federal Building Room 523, 100 South Clinton Street, Syracuse, NY 13202.

Note: All tuition charges and fees listed in College publications are subject to change without prior notice.

* Additional forms required.

New G.I. Bill for Reservists

This bill provides for the pursuit of post-secondary education at institutions approved by the Veterans Administration (VA). Students receive \$140 per month for full-time enrollment (12 or more credits per semester); \$105 per month for three-quarters-time enrollment (8 credits per semester); and \$70 per month for half-time enrollment (6 credits per semester). For information on eligibility and applications, contact the VA.

NEW YORK STATE AND CITY PROGRAMS

The state programs described here are designed to assist students with tuition costs. To be eligible you must be a state resident (i.e., you must have lived in New York State for 12 months prior to the first day of classes) and your family's net taxable income must be within the range set by the New York State Higher Education Services Corporation.

Tuition Assistance Program (TAP) and Supplemental Tuition Assistance Program (STAP)

To apply for TAP you must be a US citizen or permanent resident, a legal resident of New York State for at least a year, and a matriculated full-time student (carrying at least 12 credits or the equivalent).

The amount of a TAP award depends upon your family's size and net taxable income, which is defined as the combined income of the applicant, the applicant's parents, and the applicant's spouse, as reported in New York State income tax returns for the previous year. Undergraduate students who are financially dependent upon their parents or who are financially independent of their parents and are married or have tax dependents may be eligible for TAP if their parents' net taxable income is less than \$34,251; undergraduates who are financially independent may be eligible if their net taxable income is less than \$10,001. The maximum TAP award to an undergraduate at Hunter is the full cost of tuition.

The deadline for filing TAP applications is May 1 of the following year (e.g., for the academic year 1990-91, the deadline would be May 1, 1991).

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 2 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

Application Procedure for TAP and STAP The application for TAP and STAP is the same; students filing a CUNY Application for Federal and State Aid [CUNY (AFSSA)] need not complete a separate application. The College will certify a student as eligible for STAP if he or she qualifies as educationally disadvantaged, remains in full-time attendance (at least 12 credits), and carries a remedial workload which precludes the fulfillment of the program pursuit and academic program requirement of the TAP program.

Aid for Part-time Study (APTS)

Recipients of part-time tuition awards are selected on the basis of financial need after all other grants have been considered. Students must have already accrued 6 real (not equated) college credits at either Hunter or another accredited college; be a New York State resident for at least a year and a US citizen or permanent resident, alien refugee, or paroled refugee; have applied for a Pell Grant; have not received the maximum number of TAP and STAP payments; be in good academic standing; and be enrolled for at least 6 but fewer than 12 credits or the equivalent per semester.

Awards for part-time study reduce a student's total award eligibility for TAP. Part-time awards are available for a period not to exceed 8 years of part-time study or 10 years of part-time study in an approved 5-year program. Applications are available from the College Financial Aid Office, although students who file a CUNY (AFSSA) need not file a separate application. The deadline for APTS is the first day of classes of each semester.

Vietnam Veterans Tuition Award Program

To be eligible for the Vietnam Veterans Tuition Award (VVTA) the student must have served in the US Armed Forces in Indochina between January 1, 1963 and May 7, 1975; have been discharged from the service under other than dishonorable conditions; have been a resident of New York State on April 20, 1985, or have been a resident at the time of entry into the service and resumed residency by September 1, 1987; apply for a TAP Award and a Pell Grant if applying as a full-time student or for the Pell Grant only if applying as a part-time student; and be a matriculated student.

Awards for full-time students are \$1,000 per semester or full tuition, whichever is less. If the student also receives a TAP Award, the combination of awards cannot exceed tuition. Awards to part-time students are \$500 per semester or tuition, whichever is less. The total of all awards received for full-time and/or part-time study cannot exceed \$10,000. Consult the College Financial Aid Office for academic and time limitations.

Students must file a TAP application, a Pell Grant application, and a VVTA Supplement application with the New York State Higher Education Services Corporation each year. The applicant must also submit a copy of the DD214 he or she received upon discharge from the service. Applications are available at the College Financial Aid Office.

Army Reserve National Guard-Army Continuing Education System (ARNG-ACES)

The New York State Army Reserve National Guard offers tuition assistance through 2 programs for full- and part-time students. All current and future members of the New York Army Reserve National Guard (ARNG) are eligible *except* for members serving on Active or Full-Time Duty and those on Active Guard Reserve status. ARNG members who also receive veterans benefits are not eligible. For full-time students, the program is limited to tuition costs, instructional fees in lieu of tuition, and laboratory or shop fees specifically required as a condition of enrollment in a course. Part-time students must be enrolled half-time (7 or fewer credits).

Commissioned officers must agree to remain in the ARNG for 4 years after the last course for which tuition assistance has been provided is completed. For more information on these programs, contact Tom LaBuda, Civilian Education Office, at (518) 786-4973 or 4500.

State Aid to Native Americans

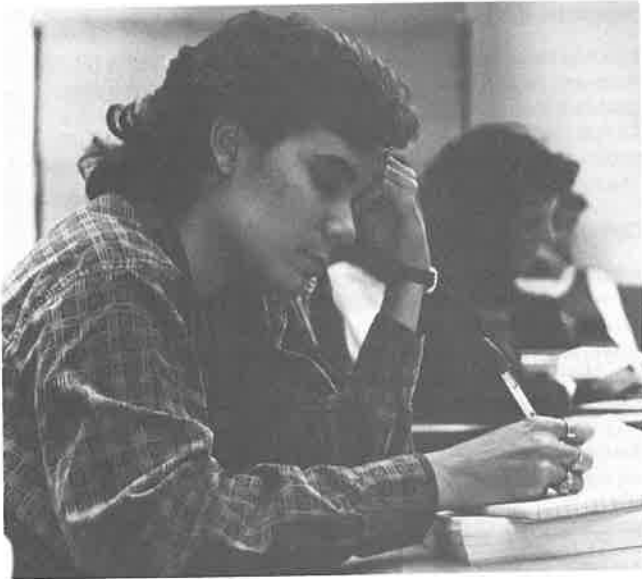
State Aid to Native Americans is an entitlement program. There is neither a qualifying examination nor a limited number of awards. The student must be a member of one of the several Native American tribes located on reservations within New York State; be a matriculated student; and demonstrate financial need. The awards are \$1,100 per year for a maximum of 4 years of full-time study. Students registered for fewer than 12 credit hours per semester will be funded at approximately \$46 per credit hour. Awards are not provided for study in remedial programs. For an application contact the Native American Education Unit, New York State Education Department, Albany, NY 12234.

Empire State Challenger Scholarships for Teachers

These awards are designed to attract students to elementary and secondary school teaching. Only students majoring in an approved field may apply; at Hunter, the approved fields for which a BA may be earned are sciences, mathematics, and foreign languages. Recipients must agree to teach one academic year for every 2 years of awards received. The service obligation is met by teaching at least 3 periods of an approved subject per day in a public or private elementary or secondary school in New York State. Recipients must begin teaching within 16 months of completion of their professional program. Award recipients who fail to meet the teaching requirement are obliged to repay the grant; see details on the application.

Twenty-six undergraduate awards are made each year to legal residents of each of the 12 New York State judicial districts, based on a separate competition in each district. Winners receive up to \$3,000 a year for tuition and fees for up to 4 years of full-time undergraduate study. Students who have already completed a portion of their undergraduate education may compete if they are enrolled no later than their junior year in an approved program leading to teacher certification. Awards are made on the basis of such factors as academic performance, the number of teaching vacancies within the fields allowed, and the time it will take before the recipient can begin the teaching obligation. Persons who are underrepresented in the various teaching fields are especially encouraged to apply.

Applicants must have been legal residents of New York State for at least one year and must maintain legal residence in New York State



to continue to receive benefits. Applications are available in the College Financial Aid Office or from the New York State Education Department, Bureau of Higher and Professional Education Testing, Mathematics and Science Teacher Awards, Cultural Education Center, Albany, NY 12230; (518) 474-6394. Applications for 1990-91 had to be postmarked by Feb 1, 1990.

Congressional Teacher Scholarship (Formerly the Perkins Scholarship)

Congressional Teacher Scholarships are available to undergraduate students who agree to teach in areas in which there is a critical shortage of teachers. Recipients must agree to teach 2 years in the US for each annual payment received. The service obligation must be fulfilled within 10 years of completing the undergraduate education program. Recipients who fail to meet these requirements must repay all or part of the award plus accrued interest.

Applicants must be or have placed in the top 10% of their high school graduating class and be a New York State resident who is or will be enrolled in a specific program during the upcoming academic year. Winners receive up to \$5,000 a year for a period of no more than 4 years of full-time undergraduate study. For more information or for an application, contact the Bureau of Higher and Professional Education Testing, Albany, NY 12230; (518) 474-6394. Applications are also available from the College Financial Aid Office.

Regents College Scholarships

Regents College Scholarships are awarded competitively based on Scholastic Aptitude Tests or American College Testing Program scores. Scholarship applicants must 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; 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 not previously have competed for a Regents College Scholarship. Please note that these requirements may be waived for reasons satisfactory to the Commissioner of Education. 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.

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 or from the New York State Higher Education Services Corporation, Tower Building, Empire State Plaza, Albany, NY 12255; (518) 474-5642. Students must also file a TAP application.

Regents Award to Children of Deceased Police Officers or Firefighters

Regents awards to children of deceased police officers or firefighters 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 the student's high school or from The New York State Higher Education Services Corporation, Tower Building, Empire State Plaza, Albany, NY 12255; (518) 474-5642. Students must also file a TAP application.

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 have been a legal resident of New York State for at least one year immediately preceding the effective date of the awards; be in attendance in a high school at the time of the examination; 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 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.

Mayor's Scholarship Program

This scholarship is administered by the New York Urban League, ASPIRA of New York, Inc., and the Admission Referral and Information Center (ARIC). Applications are available from the College Financial Aid Office or at 500 8th Avenue, Room 412, New York, NY 10018. Awards may be granted only to full-time matriculated students who live in designated community development areas in New York City and who are eligible for the maximum Pell Grant award. The Mayor's Scholarship will be considered part of the student's financial aid package and may not exceed the student's budgeted need.

LOAN PROGRAMS

Student loan programs offer an ideal way for students or parents to borrow money for tuition, room and board, books, transportation, and personal expenses. With college costs rising, a student loan can often make the difference in meeting a student's full educational costs.

Carl D. Perkins Loan (Formerly the National Direct Student Loan)

The Perkins Loan is a low-interest (5%) loan which is made through the college financial aid office. The student may borrow up to \$3,000 per academic year. The award range at Hunter is from \$300 to \$1,700. If the loan was obtained before July 1, 1987, the student must begin repayment within 6 months of graduating, leaving school, or dropping below 6 credits. If the loan was obtained after July 1, 1987, the student need not start to repay it until 9 months after graduating or leaving the College. Students who received their loans before July 1, 1987 and repaid them in full before July 1, 1987, will be treated as first-time borrowers if they reapply. The maximum repayment period is 10 years. Application is made with the CSAF.

Guaranteed Student Loan (GSL) Stafford

The Stafford loan is a low-interest (8% for first-time borrowers) loan program. The student must also pay a 5% origination fee and, in New York State, an insurance fee of .25% of the amount borrowed for each year that the student will be in school, plus 6 months. Loan repayment begins 6 months after the student graduates, withdraws from school, or drops below 6 credits. For first-time borrowers after July 1, 1988, the interest will remain at 8% through the fourth year of repayment and increase to 10% beginning in the fifth year of repayment.

The applicant must be a US citizen or permanent resident, enrolled in or admitted as a matriculated degree student registered for at least half-time (6 credits or more per semester), not be in default on a prior GSL or NDSL loan, and not owe money on any federal aid program.

First and second year students may borrow up to \$2,625; third and fourth year students may borrow up to \$4,000. As of October 17, 1986, all students must file a CUNY AFSSA, which will generate an FC to determine eligibility.

The following new deferments are available for borrowers who take out loans for periods of enrollment beginning on or after July 1, 1987:

- up to 3 years for service in the National Oceanic and Atmospheric Administration Corps.
- up to 3 years for service as a teacher in elementary or secondary schools in teacher shortage areas.
- an increase from one year to 2 years for unemployment.
- up to 6 months for parental leave.
- up to 12 months for mothers with preschool children entering or reentering the workforce making less than one dollar more than the minimum wage.

Parent Loans for Undergraduate Students (PLUS)

PLUS enables either the natural or adoptive parents of dependent undergraduate students to borrow \$4,000 per child for each academic year for a total of \$20,000 to help cover the cost of post-secondary education. The student must be enrolled in or admitted to an accepted degree program. For any loans disbursed on or after July 1, 1987, the interest rate is variable, tied to the US Treasury Bill (e.g., the rate for July 1, 1987 to June 30, 1988 is 10.27%). There is also an insurance fee of 1% of the amount borrowed. The bank may reduce the loan check by the amount of the fee. Repayment of the loan must begin 60 days after the date funds are disbursed. Borrowers have 10 years to repay.

If the parent fails to repay the loan, the student will become ineligible for a Guaranteed Student Loan.

Applications may be obtained from participating New York State lenders.

Supplemental Loans for Students (SLS)

SLS has replaced the Auxiliary Loans to Assist Students (ALAS) Program. All graduate, professional, and independent undergraduate matriculated students are eligible. Annual limits are \$4,000 per year to a total of \$20,000. Students must file a GSL application obtained from a participating New York State lender. The interest rate is calculated as for the PLUS loan.

Consolidation Loan

A student may consolidate his or her loans (Perkins, GSL, and SLS) if the minimum debt is at least \$5,000, the student is in the grace period or is repaying all loans, loans are not over 90 days delinquent, and no other application for a Consolidation Loan is pending. The interest rate is either 9% or the weighted coverage of the interest rates of all the loans, whichever is greater. The applicant may have up to 25 years to repay depending upon the amount of the Consolidation Loan. Applications are available from participating New York State lenders.

SPECIAL PROGRAM

Special Program funds are designed for students who need academic and financial support in order to complete college.

Search for Education, Elevation, and Knowledge (SEEK)

The SEEK Program provides financial aid and support services (concentrated counseling, remedial instruction, tutoring) to educationally and economically disadvantaged students attending a senior or technical college. Applicants must be residents of New York State; have received a New York State high school diploma or equivalency; be ineligible for admission under normal standards, but demonstrate potential for completing a college program; and meet family income guidelines as determined by the State.

Students apply for entry to the SEEK program through CUNY Admissions. Students must file a CUNY (AFSSA) to have their eligibility checked.

TITLE IV FINANCIAL AID RULES

The City University of New York has developed new regulations, to conform to United States Department of Education 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. Perkins Loan.

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 12 real credits for 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 2 full-time Pell awards and use up one 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 2 full-time payments based on the full-time combination of credits and hours. However, since the student is taking less than 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 2 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

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 2 half-time Pell awards and use up one-half 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 pro-

gram 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 2 half-time Pell Awards. The student, however, would only use one-quarter of a full-time equivalent year.

Length of Eligibility

Students are eligible for a total of 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 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 2 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 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 18 real credits to be making satisfactory progress. Even if the student has less than 18 real credits earned, the student will be eligible for the next year of Title IV financial assistance under the conditional/provisional status.

* Not counting remedial hours.

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 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 6 credits in the fall semester and 18 credits in the spring semester for a total of 24 credits does not use up a full-time equivalent year. Rather, the student uses one-quarter of a full-time equivalent year in the fall and one-half of a full-time equivalent year in the spring. Even though the student took 24 real credits, the student has only used up three-quarters of a full-time equivalent year.
2. Full-time students gain an edge by registering for more than 12 credits each semester. If a student registers for more than 12 credits during a semester, it still counts as only one-half 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 12 or 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.

**COLLEGE PROGRAMS****Scholarship and Welfare Fund Grant (S&W)**

To be eligible, a student must have filed a CUNY AFSSA 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 Office of the Vice-President for Student Affairs and 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 obtained from 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 (S&W)

The Hunter College Scholarship Program offers a variety of awards to high school seniors who have maintained a high level of academic achievement during high school 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% or better high school average and a minimum combined SAT score of 1200. This competitive award is based on interview, essay, and recommendations. A select number of Scholar Award recipients are also eligible for a dormitory award.

Merit Award The Merit Award is for \$800 a year granted for a maximum of 4 years. To be considered, a student must have achieved an 85% or better high school average and a minimum combined SAT score of 1000.

Graduating Senior Scholarships (S&W)

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 help middle-income families meet the cost of education. The fund is administered through the Scholarship and Welfare Fund. Students must file a CUNY AFSSA and maintain a 2.5 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. Student must file a CUNY AFSSA.

Wald Scholarships

Each semester several Wald Scholarships are awarded to under-



graduate 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

This program was created by the Professional Staff Congress-CUNY in 1980 to honor Belle Zeller, its first president, for her contribution to 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 attesting to academic performance and service to the College and/or community are required. Renewable up to 3 years, scholarships of \$1000 are 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 with such expenses look for viable alternatives. Additional information is available in the Financial Aid Office.

This program is funded, in part, by a bequest from Sara Feldmesser, Class of 1918.

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
 Harry and Doly Sternlieb Baron
 Anna and Abraham Barstock
 Frieda Danziger Bartow
 Dorothy Doob Baumritter
 Juliette Tombacher Benton
 Nina Melville Berdeshevsky
 Ethel and Alexander Berl
 Ida Schaffer Susseies Bikoff
 Victoria and Samuel Bitterman
 Margaret Wirth Blaha
 Paul Brachfeld
 Anna and Margaretha Brohmer
 Burke (Jo Burke-Dot Hill)
 Mary Candib
 Dean Edith Cappel
 Antonietta and Domenico Careccia
 Rose Carol
 Fanny Kaufman Casher
 Ida Cohen
 Lucy Perskin Cooper
 Philip R. V. Curoe
 Camilla N. D'Amato
 Sarah Davidoff
 Evelyn and Reuben Davidson
 Jessie Winterton Day
 Anne Tully Dolciani and Peter Dolciani
 Peter Dolciani
 Barbara E. and Harnett B. Donaldson
 Amelia J. and James H. Donaldson
 Mary Louise Draddy
 Mildred Draizen
 Harriet Rutter Eagleson 1870 and Jessica Rutter Eagleson 1899
 Dorothy Davis Edmonds
 Diane Dubinsky Elgart
 Dorothy Epstein
 E. Edith Epstein
 Mollie R. Golomb Epstein
 Eleanor P. Erkins
 Claire J. Eskowitz
 Joan Feinberg Faber
 Dora and Abraham Felt
 Ida R. Finkelstein
 Sylvia and Martin Fleischman

Bernice H. Fleiss
Irma London Fraad
Marie K. Gallagher
Jean Mayo Garberg
Rose and Samson Garfunkel
Josephine Goldberg
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
Edith Okun Hoffman
Esther Hoffman
Frieda Hoffman
Emma Lavenia Totten Hopping
Kathryn L. Hopwood
Elizabeth Howitt-Louise Shelley
Ethel F. Huggard
Rosemarie McCulloch Hughes
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
Gortrude Romm Levy
Eleanore Grater Lewis
Emil A. Loewenthal
Katherine W. Ludewig
Bessie and Solomon Luttan
Gerard Lynch
Elaine Steckman Malsin
Rosalind Felder Marsten
Ida Davidoff Martus
P.J. McKenna-F.H. Miller
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 and Johanna Oppenheimer
Arthur and Ruth Philip
Evelyn Feil Picker
Alvin M. Pinles
Betty Boyd Pinto
Alicia Libby Pollack
Helen Rehr
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
Katherine Meade Ryan
Marjorie Jawetz Saben
Birdie L., Leonard, Nathan, and Samuel Samuel
Gertrude M. Schmidt
Elizabeth and Cornelius Schut
Grace and Marie Schut
Seagram Choraliers
Donna E. Shalala
Felicia Shpritzer
Rose and Abraham Shpritzer
George N. Shuster
G. Barbara Sloate
The Frank R. and Emilie E. Stamer Foundation
David B. Steinman
Manya Lubova Stepankaya
Alvin and Jean Sternlieb
Ida Baron Sternlieb
Joseph and Ida B. Sternlieb
Betty Stohl
Rose and Morris Stohl
Frieda Cohen Strassler
Edith Benau Surgan
Helen Surgan
Laurence A. and Florence K. Tanzer
Josephine Soldano Terranova
Florence and Fred Thomases
Florence Josephson Thomases
Rose, Jeanne and Evelyn Tonkonogy
Max and Esther Tuchman
Gerald Van Name
Josephine Stone Vernon
Christine Volkmar
Wallach-Hines, Ben and Libby
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
Florence and Martin White
Rita F. and Randolph A. Wyman
The Zabar Grandchildren
Celia and Aaron Zanger
Sarah and Helen H. Zeller
Max and Bella Zucker
Eva Tarlow Zuckerman

Chapter Scholarships

Bronx Chapter
 Brooklyn Chapter
 Florida West Coast 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, 1958, 1959, 1963, 1966, 1968, 1969, 1972.

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
 Dorothy Doob Baumritter
 Alys L. K. Broom
 Dora B. Buckanowa
 Leona Chanin
 Mildred Cohen and Henry Primakoff
 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
 Marcella and Samuel Geltman
 Edwin Gould Foundation for Children
 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
 Arthur and Ruth Philip
 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 1928 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
 Estate of J. Raymond Gerberich
 Joseph C. and Claire F. Goodman Memorial Foundation Scholarship
 Estate of Blanche G. Haltzel
 Esther Hoffman Scholarship
 David and Sadie Klau Foundation Scholarship
 Estate of Martha Keller Scholarship
 David L. Kelin 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
 Karl Leubsdorf Memorial
 Helen and Herman Levin Foundation Scholarship

Joan Miller Lewis
 Lane Bryant Malsin Foundation Scholarship
 Herman Muehlstein Foundation Scholarship
 National Capital Area Chapter
 Esther Fish Perry
 Carl H. Pforzheimer & Co. Scholarship
 Queens chapter—Beverly Buckwalter Scholarship
 L.M. Rabinowitz Foundation
 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
 Margaret A. Westemeyer
 Sidney A. Wolff Memorial
 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 & Oriental Studies*)
 Miguel de Cervantes Prize (*Spanish*)
 Clapp Award (*Philosophy*)
 Class of 1895 Prize in Music
 Bernard Cohen Award for Short Story Writing
 Angelika 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*)
 Sylvia Faulkner Prize in Women's Studies
 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. Gillette 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*)
 Human Movement Studies Award
 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 (*Romance Languages*)
 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 page 41.)

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 major fields 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. This program is described in detail in the section devoted to the Music Department.

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 41-55 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 or one subject of specialization or professional study for the BS (approximately 36 credits for the BA and 60 for the BS). See page 25.
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 125-131 for BS). See page 25.

Other requirements are:

Minimum proficiency in reading, written English, and mathematics (See page 25): 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. 23 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, and (3) candidates for the BFA and BS degree programs.

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.

DISTRIBUTION REQUIREMENT

Regulations

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



Sciences and Mathematics

(10-12
credits)**ANTHROPOLOGY** ANTHP 101 or 102**BIOLOGY** BIOL 100, 102 (distribution credit only if both semesters are completed)**CHEMISTRY** CHEM 100-101, 120-121, 102-103, 104-105, 111-112-103, 113-105

No CHEM course can satisfy distribution requirement unless credit has been earned in both lecture and corresponding lab. CHEM 111 and CHEM 112 can only satisfy the requirement when used together, and with CHEM 103 as the required lab.

COMPUTER SCIENCE C SCI 120 or both C SCI 130 and 150**GEOGRAPHY** PGEOG 130**GEOLOGY** GEOL 101, 102**MATHEMATICS and STATISTICS** MATH 100 (or 103), 110, 111, 150, 155, MATH 191; STAT 113 (or 213), 212**SCIENCE INTERDISCIPLINARY** SCI 101, 102 (distribution credit only if both semesters are completed)**PHYSICS AND ASTRONOMY** ASTRO 100, PHYS 101, 110, 111, 120, 121

Note: A minimum of 1 course including laboratory with an ANTHP, BIOL, CHEM, PGEOG, GEOL, PHYS, or SCI prefix is required. Category I may not be fulfilled exclusively by courses in mathematical and/or computer sciences.

CATEGORY



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



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

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 following 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—ART H 111

DANCE—DAN 102, 232

MUSIC—MUSHL 101, 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—PHILO 101, 104, 106, 170, 201, 203, 204

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

SPANISH—SPAN 241

CATEGORY

VI

Social Science

(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.

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. Students are advised to attend the fall Departmental Major Day conferences and spring Major Day Fair. 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 at least 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 a 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, 2 certificates in support of the degree should be filed with the Registrar—one from each major department.

Departmental majors leading to the BA are:

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 Language
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	Jewish Social Studies
Comparative Literature	Latin American and Caribbean Studies
English Language Arts	Religion
Energy Policy Studies	Urban Studies
Human Movement Studies	Women's Studies

In addition to the interdepartmental fields of study, the College also offers individual interdepartmental courses in the humanities, social

sciences, sciences and mathematics, and health sciences (see page 108).

3. ELECTIVE (OR OPTIONAL) 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 and non-degree 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 a college or university accredited by a regional accrediting association and senior citizens with non-degree status 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.

Students who need to take a remedial/developmental course should make every effort to register at the scheduled time in order to ensure a place in the course.

All students graduating 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.

Effective January 1988, failure to complete developmental course work may prohibit registration into the majority of distribution requirement and/or major courses.

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

COURSE ACCESS CODES

Students attempting to register for a course without having passed a required remedial/developmental prerequisite will have their registration blocked. The course access code system is designed to help students with course planning and selection and thus to prevent delays at registration.

The following tables explain the codes and indicate which restrictions apply to courses in individual departments. For answers to further questions about specific departmental requirements, consult an advisor in that department. Consult the *Schedule of Classes* each semester for updated information on course access codes.

Important: Note that in each case (reading, writing—ESL, writing, and arithmetic and topics in algebra/problem solving in the sciences) the course listed *above* the arrow is a prerequisite for the course listed *below* the arrow. For example, to take DX ENGL 002 you must have completed DR ENGL 001; to take DP PHYSC 001 you must have completed DM MATH 001. Thus, if the course access code for a course is DP, you must have passed both DM MATH 001 and DP PHYSC 001 (if you are a non-SEEK student) or DM ACSK 010, 011 and DP ACSK 012 (if you are a SEEK student) to fulfill that access code requirement.

KEY TO DEVELOPMENTAL COURSE CODES

Non-Seek Students		Seek Students
DR ENGL 001	READING	DR ACSK 050,051
↓		↓
DX ENGL 002		DX ACSK 052
DL ENGL 003	WRITING—ESL	DL ACSK 030
↓		↓
DY ENGL 004		DY ACSK 031
↓	WRITING	↓
DW ENGL 005		DW ACSK 032
DY ENGL 014	WRITING	DY ACSK 020
↓		↓
DW ENGL 015		DW ACSK 021
DM MATH 001	ARITHMETIC AND TOPICS IN ALGEBRA	DM ACSK 010,011
↓	PROBLEM SOLVING IN THE SCIENCES	↓
DP PHYSC 001		DP ACSK 012

DEVELOPMENTAL COURSE RESTRICTIONS

DEPT/PROGRAM	COURSE(S)	DEVELOPMENTAL COURSE RESTRICTIONS						
		Reading		Writing			Math	Physical Science
		ENGL 001 (DR)	ENGL 002 (DX)	ENGL 003 (DL)	ENGL 004/014 (DY)	ENGL 005/015 (DW)	MATH 001 (DM)	PHYSC 001 (DP)
Anthropology	ANTHC 100	DR	—	—	—	—	—	—
	ANTHC 101,126	DR	DX	DL	DY	—	DM	—
	ANTHC 151	DR	DX	DL	DY	DW	DM	—
	All others	DR	DX	DL	DY	—	DM	DP
Art	ARTCR 300 level	DR	DX	DL	DY	DW	—	—
	ARTCR 400 level	DR	DX	DL	DY	DW	—	—
	ART H 111	DR	—	DL	DY	—	—	—
	ART H 200 level	DR	DX	DL	DY	DW	—	—
	ART H 300 level	DR	DX	DL	DY	DW	—	—
	ART H 400 level	DR	DX	DL	DY	DW	—	—
Astronomy	All	DR	DX	—	—	—	DM	DP
Biological Sciences	100 level	DR	DX	—	—	—	DM	DP
	All others	DR	DX	DL	DY	DW	DM	DP
Black & Puerto Rican Studies	181	DR	DX	DL	DY	DW	DM	—
	143, 235-237	DR	DX	DL	DY	DW	—	—
	245-247	DR	DX	DL	DY	DW	—	—
	300 & 400 level	DR	DX	DL	DY	DW	—	—
Chemistry	100 level	DR	DX	—	—	—	DM	DP
	All others	DR	DX	DL	DY	DW	DM	DP
Chinese	111-151	DR	DX	DL	—	—	—	—
	211-251	DR	DX	DL	DY	—	—	—
	311-357	DR	DX	DL	DY	DW	—	—
Classics	110	DR	—	DL	—	—	—	—
	101-210,220-227	DR	DX	DL	DY	—	—	—
	322-327	DR	DX	DL	DY	—	—	—
	250-305,329,330	DR	DX	DL	DY	DW	—	—
Communications	101,110	—	—	—	—	—	—	—
	All others	DR	DX	DL	DY	DW	—	—
Comparative Literature	All	DR	DX	DL	DY	DW	—	—
Computer Science	All	DR	DX	DL	DY	DW	DM	DP
Dance	113	—	—	—	—	—	DM	—
	211,212,245-252	DR	—	DL	—	—	—	—
	345,352	DR	—	DL	—	—	—	—
	221,222,322,350	DR	DX	DL	DY	—	—	—
	351,411,412,480	DR	DX	DL	DY	—	—	—
	231,232,301	DR	DX	DL	DY	DW	—	—
	302,490,498	DR	DX	DL	DY	DW	—	—
Economics	223,323,341	DR	DX	DL	DY	—	DM	—
	100	DR	—	DL	DY	—	DM	—
	All others	DR	—	DL	DY	—	DM	DP
Energy Policy Studies	All	DR	—	—	—	—	—	—
English	All	DR	DX	DL	DY	DW	—	—
French	241-262	DR	DX	DL	DY	DW	—	—
Film	191	DR	DX	DL	DY	—	—	—
	192	DR	—	DL	—	—	—	—
	All others	DR	DX	DL	DY	DW	—	—
Geography	100 & 200 levels	DR	DX	—	—	—	DM	DP
	242	DR	DX	DL	DY	DW	DM	DP
	All others	DR	DX	DL	DY	DW	DM	DP
Geology	100 & 200 levels	DR	DX	—	—	—	DM	DP
	All others	DR	DX	DL	DY	DW	DM	DP
GTech,	100 & 200 levels	DR	DX	—	—	—	DM	DP
	All others	DR	DX	DL	DY	DW	DM	DP
PGeog	232,130	DR	DX	—	—	—	DM	DP
	333	DR	DX	DL	DY	DW	DM	DP
German	240,352-382	DR	DX	DL	DY	DW	—	—
	384-480	—	—	—	—	—	—	—
Health & Physical Education	300	DR	DX	DL	DY	—	—	—
	200	DR	DX	DL	DY	—	—	—
	301-308	DR	DX	DL	DY	DW	DM	DP
	314	DR	DX	DL	DY	DW	—	—
	351,400,470	—	—	—	—	—	—	—
HED	480,490	DR	DX	DL	DY	DW	DM	DP

DEVELOPMENTAL COURSE RESTRICTIONS

DEPT/PROGRAM	COURSE(S)	DEVELOPMENTAL COURSE RESTRICTIONS						
		Reading		Writing			Math	Physical Science
		ENGL 001 (DR)	ENGL 002 (DX)	ENGL 003 (DL)	ENGL 004/014 (DY)	ENGL 005/015 (DW)	MATH 001 (DM)	PHYS 001 (DP)
MVMT	200	—	—	—	—	—	DM	DP
	450 & 460	DR	DX	DL	DY	DW	DM	DP
PEDCO	250	DR	DX	DL	—	DW	DM	DP
	251	DR	DX	DL	DY	—	—	—
	340-342	DR	DX	DL	DY	DW	DM	DP
	349	DR	DX	DL	DY	—	DM	DP
	350,351	DR	DX	DL	DY	DW	DM	DP
	352	DR	DX	DL	DY	—	DM	DP
	353	—	—	—	—	—	DM	DP
	360-361	DR	DX	DL	DY	DW	DM	DP
	371	DR	DX	DL	DY	DW	DM	DP
	380,381	DR	DX	DL	DY	DW	DM	DP
	383	DR	DX	DL	DY	DW	DM	DP
	390,391	DR	DX	DL	DY	DW	DM	DP
	398,399	DR	DX	DL	DY	DW	DM	DP
	450-453	DR	DX	DL	DY	DW	DM	DP
	470,480,490	DR	DX	DL	DY	DW	DM	DP
Health Sciences — Interdisciplinary	200	DR	—	—	DY	—	—	—
Hebrew	240,250,295	DR	DX	DL	—	—	—	—
	340,382-391	DR	DX	DL	DY	DW	—	—
History	100,141,55	DR	—	—	—	—	—	—
	All others	DR	DX	DL	DY	DW	DM	DP
Humanities	110	DR	—	DL	DY	—	—	—
	201-381	DR	DX	DL	DY	DW	—	—
Italian	335,336	DR	DX	DL	DY	DW	—	—
Jewish Social Studies	All	DR	—	—	—	—	—	—
Latin American & Caribbean Studies	All	DR	—	—	—	—	—	—
Mathematics	100,111	DR	—	DL	DY	—	DM	DP
	103,110	DR	—	DL	DY	DW	DM	DP
	191,291,295	DR	DX	DL	DY	DW	DM	DP
	All others	—	—	—	—	—	DM	DP
Media	All	DR	DX	DL	DY	DW	—	—
Music	MUSHL All	DR	DX	DL	DY	DW	—	—
	MUSTH 101,102	DR	DX	—	—	—	—	—
	MUSTH All others	DR	DX	DL	DY	DW	—	—
	MUSPF 151,219,220	DR	DX	—	—	—	—	—
	MUSPF 349,350	DR	DX	DL	DY	DW	—	—
	MUSPF 369,411	DR	DX	DL	DY	DW	—	—
	MUSIN All	DR	DX	DL	DY	DW	—	—
Philosophy	102	DR	—	DL	DY	—	—	—
	101,104,106,108,170	DR	DX	DL	DY	DW	—	—
	200 & 300 levels	DR	DX	DL	DY	DW	DM	—
	400 level	DR	DX	DL	DY	DW	DM	—
Physics	All	DR	DX	—	—	—	DM	DP
Polish	300	DR	DX	DL	DY	DW	—	—
Political Science	100 level	DR	—	—	—	—	—	—
	200 level	DR	—	DL	—	—	—	—
	280	—	DX	—	—	DW	—	—
	300 & 400 level	DR	DX	DL	DY	DW	—	—
Portuguese	260	DR	DX	DL	DY	DW	—	—
Psychology	All	DR	DX	DL	DY	DW	DM	DP
Religion	All	DR	DX	DL	DY	DW	—	—
Russian	157	DR	DX	DL	DY	—	—	—
	250-254	DR	DX	DL	DY	DW	—	—
	255	—	—	DL	DY	—	—	—
	256-259	DR	DX	DL	DY	DW	—	—
Science — Interdisciplinary	100,51,100,52	DR	DX	DL	DY	DW	DM	DP
	101,102	DR	DX	DL	DY	DW	DM	DP
Social Sciences — Interdisciplinary	197,210,220	DR	—	—	—	—	—	—
	297,397,401,498	DR	—	—	—	—	—	—
Sociology	241,341	DR	—	—	—	—	DM	—
	400 level	DR	—	DL	DY	DW	—	—
	All others	DR	—	—	—	—	—	—
Spanish	241,263,264,321	DR	DX	DL	DY	DW	—	—
	313,314,315	DR	DX	DL	DY	DW	—	—

DEVELOPMENTAL COURSE RESTRICTIONS

DEPT/PROGRAM	COURSE(S)	DEVELOPMENTAL COURSE RESTRICTIONS						
		Reading		Writing			Math	Physical Science
		ENGL 001 (DR)	ENGL 002 (DX)	ENGL 003 (DL)	ENGL 004/014 (DY)	ENGL 005/015 (DW)	MATH 001 (DM)	PHYS 001 (DP)
Statistics	113	DR	—	DL	DY	—	DM	DP
	200 & 300 level	DR	DX	DL	DY	DW	DM	DP
	All others	—	—	—	—	—	DM	DP
Television	All	DR	DX	DL	DY	DW	—	—
Theatre	170	DR	—	DL	—	—	—	—
	172	DR	DX	DL	DY	—	—	—
	187	DR	—	—	—	—	—	—
	292	DR	DX	—	—	—	DM	DP
	All others	DR	DX	DL	DY	DW	—	—
Urban Affairs	100 level	DR	—	DL	—	—	—	—
	200 level	DR	DX	DL	DY	—	—	—
	300 & 400 level	DR	DX	DL	DY	DW	DM	DP
Women's Studies	100	DR	—	—	—	—	—	—
	All others— See note *							

* All other Women's Studies courses have the course access code(s) indicated under the department in which they originate.

PROGRAM PLANNING

Declaring 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 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	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
Medical Laboratory Sciences	

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	English	Music
Biological Sciences	History	Physics
(Biopharmacology)	Mathematics and	
Economics	Statistics	

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 listing in this catalogue for further description. The Depart-

ment of Biological Sciences offers a BA/MS degree program in biological sciences/environmental and occupational health sciences. See the department listing for further information.

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 pre-medical advisor.

Pre-engineering The pre-engineering program is organized for students who plan to transfer to an engineering school of another college after 2 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 2 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 (Pre-medical) 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 casework or group-work; 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 Education section of this catalogue.

SPECIAL PROGRAMS

Public Service Scholar The Public Service Scholar program 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 underrepresented 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 and Planning.

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. 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 learning opportunities.

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.

INTERCAMBIO: CUNY/University of Puerto Rico Academic Exchange Program The Program has four components: undergraduate student interchanges; graduate training; visiting professorships; joint seminars and research. CUNY undergraduates may study for a single semester or the academic year at the Río Piedras campus of the UPR for full credit from their home institution. A summer program in language and Puerto Rican history, culture and society is usually offered. INTERCAMBIO provides special activities and continuous support from UPR and CUNY Program staff. Contact INTERCAMBIO, Centro de Estudios Puertorriqueños, Box 548, Hunter College, 695 Park Ave., New York NY 10021.

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.

Minority Access to Research Careers Program (MARC) The National Institutes of Health's Division of General Medicine provides a special training program for competitively selected minority students to pursue research careers in science and psychology.

Students who will go on for the PhD degree rather than to medical school are preferred. Students in the MARC program are all undergraduates and they receive a stipend of \$6,504 per year. MARC students receive a full scholarship.

Minority Biomedical Research Support Program (MBRS) The National Institutes of Health's Division of General Medicine provides an opportunity for qualified minority students at Hunter College to participate in an experimental research project under the supervision of the science or psychology faculty. Part-time research is conducted by the student for a salary range as follows: PhD students receive \$8,500/year, MA candidates are reimbursed at an annual rate of \$7,500 and undergraduates receive \$6,000. Graduate students receive a full scholarship and undergraduates are reimbursed for 75 percent of their tuition and fees. The program is intended to encourage and increase the participation of underrepresented minorities in biomedical research careers and in medicine.

For both the MARC and MBRS programs, Hunter College faculty members, representing the Departments of Biology, Chemistry, Physics and Psychology, 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.

The National Student Exchange Program (NSE) is a consortium of approximately 100 public colleges and universities throughout the U.S. which enables students at member campuses to spend 1-2 semesters at any participating college while paying tuition and fees at the home college or at the host college's in-state tuition rate. On-campus housing is usually available. Many study abroad opportunities can also be obtained through this program. Sophomores through seniors in any major can apply for exchange. Generally, a GPA of at least 2.8 is required. Applications may be submitted from September through mid-February for exchanges taking place during the following fall and spring. Further information may be obtained in room 1432 West, by calling (212) 772-5004, or by writing to the Inservice/NSE Office, Hunter College, 695 Park Avenue, New York, N.Y. 10021.

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.

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 Honors Curriculum section in this catalogue.

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 consor-

tium 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 and 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.

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 can be obtained 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 the distribution requirement 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 32.*

Students should be especially careful of informally given advice.

Every student is obliged 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 withholding of diploma and transcripts. INC 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 1990. 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:

- No more than half of the total credits for the degree may be taken on a Credit/No Credit basis.
- 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.)
- 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.
- 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).
- 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 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 or INC. A No Credit grade may not override the FIN grade.

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 (equivalent to D, F)	—
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.)	—
INC	Term's work incomplete. This may include absence from final examination.	—
FIN	F from incomplete; an administrative grade used when INC reverts to F; this occurs if grade is not made up by the end of the following semester	0
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 the Registrar. Applications must be filed at least 3 months 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.

Incomplete Work in Course When a student for valid reason does not complete the work assigned in a course (including the final exam, papers, etc.), and in the view of the instructor still has a reasonable chance to pass the course, the student shall be given the grade IN (incomplete). The student must explain the reason to the instructor or, in the absence of the instructor, to the department chair, and arrange a schedule for making up the missing coursework. These steps must be taken as soon as possible and no later than the end of the second week of the following semester. The student shall then be given the opportunity to complete the course without penalty beyond previously established penalties for lateness.

The length of time permitted for completing missing coursework remains at the discretion of the instructor and shall be indicated in writing to the student, but shall not extend beyond the end of the semester following the one in which the course was taken. Unless the student submits the work by the date specified by the instructor, the grade will automatically become FIN on the student's permanent record. (Under certain circumstances, where the student must repeat class sessions or laboratories in a course not given during

the following semester, the FIN grade may later be corrected to the appropriate letter grade.)

Instructors and departments may choose to have make-up final examinations administered by the College. Such examinations will be given before Monday of the 7th week of the following semester. It is the responsibility of the student who must take an absentee examination to determine from the instructor or department whether it will be administered by the College, and to file the appropriate form and pay any required fee by the deadline specified by the College.

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

1. Students shall not be permitted to repeat courses, other than those designated as repeatable in the course description of the College catalogue, 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 should repeat the course before the next course in the series is taken.
2. Letter grades for both the original and repeated courses shall be counted in the GPA. However, students shall not receive credit towards their degree for a repeated course unless the course is designated as repeatable in the course description of the College catalogue.
3. A student who has received a grade of D, F, or NC twice (or any combination thereof) in the same course may only re-register for that course with the permission of the department offering the course.
4. These rules do not apply to remedial/developmental course work.



OTHER ACADEMIC REGULATIONS

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.

Academic Calendar and Sessions The fall semester starts approximately September 1, the spring semester starts approximately February 1 and a summer program of 6 weeks begins in June. Consult the *Schedule of Classes* for specific starting dates.

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 (10 for SEEK). 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.

Academic Honesty - 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, copying or otherwise obtaining another's answers to questions on examinations or assignments (commonly called "cheating") will result in disciplinary proceedings.

Appeals - Rules and Regulations 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.

The Review Commission on the Distribution Requirement of the Hunter College Senate considers 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 the office of the Hunter College Senate.

Appeals - Grades 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 3 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 3 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 5 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.

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 late 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 fewer than 15 credits, the limitations on class cuts were removed in 1969. This 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 fewer 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)

College Calendar: Schedule of Final 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. Since the final examination week is part of the semester hour requirement as mandated by the State Education Department, the period scheduled for final examinations should either be used for the final examination in the course or as an instructional period.

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 Incomplete Work in Course.

For information on absence from final examination for other reasons, see section on Incomplete Work in Course.

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 (or during the summer session the end of the first week of classes) to drop a course without penalty. This period coincides with the refund period. The course will not appear on the student's record.

A student may withdraw officially, with a grade of W, between the end of the 3rd week of classes and the first day of the 10th week of classes. (During the summer session a student may withdraw officially between the 2nd week of classes and the first day of the 5th week of classes.) To do so, a student should obtain a withdrawal form from the Registrar's Office. After the deadline, official withdrawals will be recommended by the Office of Student Services only when it is clear that the student has good and sufficient reason for withdrawing.

When a student ceases to participate in a course but has not withdrawn officially, the student shall be deemed to have withdrawn unofficially. Evidence of unofficial withdrawal shall include all of the following: failure to attend class for at least 4 weeks consecutively (or during the summer session 2 weeks consecutively) through the end of the semester (the last day of classes), failure to attend the final exam, and failure over this period to meet any other course requirements (e.g., to submit paper assignments and take examinations). The unofficial withdrawal (WU) by university regulations is equivalent to a grade of F.

Students who receive financial aid must be cleared by the Office of Financial Aid before they may process any withdrawal from classes. After being cleared by 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 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 who have withdrawn from the College, officially or unofficially, must apply for readmission in the Registrar's Office at least 3 months 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 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.

Honor 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 Phi	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.

Special Courses

CUNY BA/BS

The CUNY Baccalaureate Program is described on page 22.

CUNBA 000 CUNY Baccalaureate students who are registering for nonclassroom credits (independent study or fieldwork) or who are taking courses at other units of the City University should register for CUNBA 000 for the appropriate number of credits.

Independent Learning by Achievement Contract

ILBAC 300, 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, 0 cr. This course provides an ongoing opportunity for students to acquire knowledge and skills necessary for success in college. It covers the distribution requirement, grading, available services, choosing a major, choosing a career, test-taking, note-taking skills, and study skills. Through group discussions students learn to be active participants in the process of learning. Required for all first-year students.

Miscellaneous Regulations

Additional information on student rights and regulations may be found on pages 160-167.

Students should be aware of the following 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.
- The use, possession, and/or distribution of hallucinogenic drugs, barbituates, amphetamines, narcotics, and other dangerous drugs is prohibited by law and therefore by college regulations.
- Only wine and beer may be served at student sponsored functions. A representative of the sponsoring group must be present at the bar to assure compliance with the minimum drinking age.

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 (FERPA) 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.

The FERPA states that parents and eligible students have the right to request that a school correct records believed to be inaccurate or misleading. If the school refuses to change the records, the parent or eligible student then has the right to a formal hearing. After the hearing, if the school still refuses the correction, the parent or eligible student has the right to place a statement in the records commenting on the contested information in the records.

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.

Immunizations Public Health Law 2165 requires college students to present a complete record of two live immunizations against measles, and single immunization against mumps and rubella. Students born on/or after January 1, 1957 must submit a complete immunization record signed by a health practitioner.

Non-compliance will prohibit a student from registering for classes.

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.

The Hunter College Smoking Policy

I. General Statement

In recognition that the inhalation of tobacco smoke is hazardous to health, the College is taking positive steps toward providing a more smoke-free environment for students, faculty and staff.

II. General Policy

Smoking is prohibited in all College buildings and facilities except in enclosed areas which are specifically designated as "Smoking Permitted." Other exceptions to this general policy are enumerated below.

III. Exceptions

A. **Private Offices** Smoking may be permitted in enclosed private offices.

Shared Offices In offices shared by two or more individuals, smoking is prohibited unless all the non-smokers specifically agree to permit smoking.

B. **Dining Areas** All dining areas of 51 or more seats must have at least 70% of these seats reserved for non-smokers.

IV. Applicability

All Hunter College faculty, staff, students and visitors are required to comply with this policy.

V. Responsibility

The Office of the Vice President for Administration has overall responsibility for implementing this policy. Deans, chairs, and managers are responsible for implementing this policy in their units and shall inform students, faculty and staff employees under their jurisdiction of the provisions of this policy.

Areas Where Smoking is Permitted

68th Street Campus

North Building
East Lounge
Graduate Student Lounge - 3rd Floor
Thomas Hunter
Student Lounge - 305TH
West Building
Cafeterias - where designated
Study Lounge - 4th Floor
Faculty/Staff Lounge - 8th Floor

Brookdale Campus

Cafeteria - where designated

In addition, academic departments and administrative offices have been asked to designate areas for faculty and staff within the guidelines of the "No Smoking" policy.

Drug-Free Schools and Campuses, Public Law 101-226

Hunter College is in compliance with the Drug-Free Schools and Communities Act Amendments of 1989 (Public Law 101-226).

The New York State minimum drinking age (21 years) is observed at all campus functions. Proof of age is required to consume alcoholic beverages and no individual appearing to be under the influence of alcohol will be served.

All Hunter College organizations sponsoring events must, in advance of the event, agree to the following conditions:

1. No person shall sell or provide an alcoholic beverage to a person under the age of 21. Where documentation of age is unavailable or not reasonably certain, the law requires denial of an alcoholic beverage to that person.
2. No person shall sell or provide an alcoholic beverage to a person actually or apparently under the influence of alcohol.
3. No person shall sell or provide an alcoholic beverage to a person known to be a habitual excessive drinker.
4. All advertising, promotion, publicity, invitations, etc. stating the availability of alcoholic beverages at an event, must include the following statement:

The unlawful possession, use or distribution of drugs is prohibited on the campus. Violators will be subject to penalties ranging from reprimand and warning for a first infraction, to separation from the college for a subsequent offense.

Legal sanctions against students alleged to be in violation of Public Law 101-226 will be determined according to Article 15 Section 3 of the CUNY Board of Trustees By-Laws. Sanctions for members of the instructional staff and non-instructional staff will be governed by Article VII of the CUNY Board of Trustees By-Laws and Article XIV, respectively.

Health Risks of Alcohol Abuse

Dependency
Malnutrition
Impaired judgment
Reduced alertness
Slowed reaction time
Sensory and motor depression
Cirrhosis of the liver

Health Risks of Illegal Drug Abuse

Dependency
Malnutrition
Loss of control
Skin abscesses
Vein inflammation
Serum hepatitis
Increased risk of HIV infection
Reduced immunity

Assistance is available by calling:

Hunter College Emergency Medical Services	—	772-4801
Employee Assistance Program	—	772-4051
Student Services	—	772-4903

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, and Secretary of the Senate, 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 2 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	Thomas Hunter room 102
Graduate	Thomas Hunter room 320

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 specific office.

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.

Athletics, Recreation, and Intramurals

Hunter College is proud of its athletic tradition. We compete in 24 men's and women's sports on the NCAA Division III level. Athletes benefit from a fine academic environment, highly qualified coaches, and superior facilities for practice and competition.

The recreational and intramural sports programs are designed to promote student, faculty, staff, and alumni participation. The programs provide relaxation, physical fitness, competition, and enjoyment. Over 20 different individual and group activities are offered.

Career Development Services

East Building room 812

The Office of Career Development helps Hunter College students to compete in the job market through a variety of career development and placement services. These include:

Campus Recruiting Representatives from corporations, banks, brokerage houses, accounting firms, insurance companies, retail stores, computer and software companies, non-profit organizations, and government agencies recruit on- and off-campus in the fall and spring by interviewing students for a variety of professional positions.

Career Counseling Career counselors help students clarify their career goals, interests, and strengths, and assist them with their job search, including resume preparation, interviewing skills (video sessions offered), and researching the job market.

Employer Visits Employers and successful professionals come to Hunter to discuss career opportunities in their respective areas. Panelists explore current trends in various fields, offer suggestions for preparing for the competitive job market, and describe their own careers. From these experiences, students learn about specific companies, their products and services, hiring trends, and career opportunities.

Job Listings Businesses, industries, government agencies, schools, hospitals, and non-profit organizations provide lists on a daily basis of entry-level and advanced part-time and full-time positions. These jobs are listed in the office.

Internships Fall, spring, and summer internships are available to students from businesses, government agencies, and non-profit organizations. These field work experiences, which are volunteer, for academic credit, or for a stipend, give students valuable exposure to a particular career or field.

Career Resource Library A wide variety of general career information is available to students: reference books, current publications in business, directories, recruiting literature, company annual reports, and employment guide books about career planning and job search strategies.

For more information, call the office at 772-4850.

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) and in the summer, including summer session (June/July). It is a pre-school educational and developmental program for children aged 2 years, 9 months through 5 years.

There are 2 classrooms equipped with age-appropriate educational materials. Activities and experiences are provided for the children by a qualified staff.

Students register for this service in January for the following fall semester. A \$5.00 non-refundable application fee is required. Inquiries may be made at the Center, where brochures and registration cards are available.

Counseling Services

East Building room 1119

Personal and psychological counseling are available to all students. Counselors will be glad to talk with students about anything that concerns them, ranging from information questions to discussions about the most suitable types of counseling for a problem. Students who wish to drop a course after the 9th week of the semester must see a counselor for possible approval of "withdrawal 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 workshops in such areas as study skills, test anxiety, test-taking skills, assertiveness training, and choosing a major and 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.

Disabled Student Services

East Building room 1119

Support services and accommodations are available to provide students with disabilities greater accessibility to the academic environment. Those eligible include students with mobility, visual and hearing impairments. It also includes students with learning disabilities, psychiatric disorders or any medical condition which limits one or more of life's basic functions. Those students in recovery from alcoholism or other chemical dependencies and those with AIDS/ARC or who are HIV positive are also eligible. Documentation is required and kept confidential.

Services include priority registration (after course approvals have been obtained from departments if needed), alternate testing, readers, notetakers and interpreters. There is a Disabled Student Study Center in TH 205 where readers/students are available on a drop-in basis. There are two student clubs: The Day Disabled Student Organization and Challenge—The Learning Disabled Organization.

Equipment includes Visualtek machines (print enlarger), large print computer, voice synthesizer, Braille printer, adjustable height computer work stations, portable science laboratory stations, wireless auditory assistance kits, telephone devices for the deaf, magnifier table, large print dictionaries, large print typewriter, Versabaille 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.

Each academic department has a designated faculty member to assist with problems or questions about accessibility and accommodation. For assistance at the department level, ask the department chairperson for the name of the Panel of Liaisons faculty member.

The department of health and physical education conducts an adapted physical education program (Project Happy) for disabled young adults on Saturdays from 11 a.m. to 3 p.m. at the Brookdale Campus, 425 East 25th Street. Swimming, bowling, wheelchair sports, and various other sports activities are available. Contact the department chair, West Building, room 1130; telephone 772-4640.

For information, contact the Office of Disabled Students in Student Services, East Building, room 1121; phone 772-4888/4914.

There is a 504 Grievance Procedure for disabled students at Hunter College. Students can obtain the necessary form, which contains instructions for filing, from Student Services, East Building room 1103.

The Section 504 Coordinator at Hunter College—Professor Tamara Green is responsible for policies related to the disabled. She can be contacted in the West Building, room 1429; phone 772-5061.

Financial Aid

North Building room 241

Financial aid is available to full-time matriculated students and part-time matriculated students with at least 6 credits.

Information about workshops outlining details of eligibility, application procedures, and deadlines is available in the Financial Aid Office. For types of aid available, see pages 10-21.

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 associate 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 experiential programs. Evening session students who have special problems concerning any College program, procedure, or facility should consult the associate dean.

Special Services

East Building room 817

The Special Services Program is a federally funded program designed to help students maintain good academic standing, stay in college, and graduate. It offers free tutoring, counseling, and other student support services to low-income, first-generation, and physically challenged Hunter students.

Tutoring

East Building room 802

Free tutoring is available in many entry-level courses. 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.

Veterans Counseling Service

North Building room 1119A

The Veterans 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.

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.

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.

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.

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.

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 transcript fees are paid here.

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.

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.

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.

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.

THE JACQUELINE GRENNAN WEXLER LIBRARY

The Jacqueline Grennan Wexler Library—Hunter College's central library—occupies floors B2 through 7 of the East Building. Branch libraries are located at the School of Social Work and at the Brookdale Health Science Center. The central library of almost 617,000 volumes is entered at the 3rd floor walkway level, where the circulation desk, the central on-line catalog, and the reference collection are located. Reserve books, special collections, music books, and listening stations are on the 2nd floor. Over 4,100 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. Special equipment, facilities, and services are available to disabled patrons to help them make full use of the library's resources.

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 Department

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.

OFFICE OF EDUCATIONAL SERVICES West Building 10th floor

Counselors are available to students who want 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.

THE REGISTRAR'S OFFICE

North Building room 217

This office prepares and maintains student academic records. Each semester, the Registrar's office mails a transcript 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 INC grade notations with instructions concerning absentee examinations;
- b. withdrawals from part of a program up to the first day of the 10th week 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.

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 4th 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.

STUDY SKILLS RESOURCE CENTER

North Building room C001

The Study Skills Resource Center is designed to provide students with the opportunity to develop and enhance their study methods. The staff of the Resource Center conduct workshops in: Time Management, Note-Taking, Reading Textbooks Effectively, Test-Taking, Vocabulary Building, Stress Management, Math-Anxiety Reduction, and Goals and Decision-Making Skills. Individualized study skills assistance and counseling are also available by appointment, or on a walk-in basis. Reference Materials, computerized study skills programs, and daily video presentations are provided for all students. Students who are interested in forming independent study groups are welcome to use the Center's space. For more information, call the office at 772-4890.

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.

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 persons 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.

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	HEGIS Code
Accounting — BS	0502
Anthropology — BA, MA, BA/MA	2202
Art Creative — MA	1002
Art History — BA, MA	1003
Art Studio — BA, BFA	1002
Art (Sec. Ed.) — MA	0831
Fine Arts — BFA, MFA	1002
Biochemistry — MA	0414
Biological Sciences — BA, MA	0401
Biological Sciences (Sec. Ed.) — BA, MA	0401.01
Biological Sciences/Environmental and Occupational Health Sciences — BA/MS	0401/1299
Biopharmacology — BA, MA	0499
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, MA	1220
Communications — BA, MA	0601
Community Health Education — BS	1214
Comparative Literature — BA	1503
Computer Science — BA, MA	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 and Occupational 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
History — BA, MA, BA/MA	2205
Human Movement Studies — BA	0835
Individual Education — MSED	0802
Italian — BA, MA	1104
Italian (Sec. Ed.) — MA	1104.01
Jewish Social Studies — BA	0309
Latin American and Caribbean Studies — BA	0313
Latin & Greek — BA	1504
Latin — BA	1109
Mathematics — BA, MA, BA/MA	1701
Mathematics (Sec. Ed.) — MA	1701.01
Medical Lab. Sciences — BS	1223

Music — BA, BS, BM, MA, BA/MA	1004
Music—Ethnomusicology — MA	1006
Music (Sec. Ed.) — MA	0832
Nursing — BS	1203
Nursing — MS	1203.10
Nutrition & Food Sciences — BS, MS	1306
Philosophy — BA	1509
Physical Education — BA, BS, MSED	0835
Physical Therapy — BS	1212
Physics — BA, MA, BA/MA	1902
Political Science — BA	2207
Psychology — BA, MA	2001
Public Health — MPH	1217
Rehabilitation Counseling — MSED	0819, 2104.10
Religion — BA	1510
Romance Languages — BA	1101
Russian — BA	1106
Russian Area Studies — MA	0307
School Health Management — MSED	0837
Social Research — MS	2208
Social Studies (Sec. Ed.) — MA	2201.01
Social Work — MSW	2104
Sociology — BA	2208
Sociology & Social Research — BA/MS	2208
Spanish — BA, MA	1105
Spanish (Sec. Ed.) — MA	1105.01
Spch. & Hearing Handicapped (Sec. Ed.) — MA	0815
Special Education, Teachers of — MSED	0808
Special Honors — BA	4999
Statistics — BA	1702
Supervision & Admin. — Advanced Cert.	0828
Teaching English as a 2nd Language — MA	1508
Theatre & Film — BA, MA	1007
Urban Affairs — MA, MS	2214
Urban Planning — MUP	2214
Urban Studies — BA	2214
Women's Studies — BA	4903

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 courses.

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.

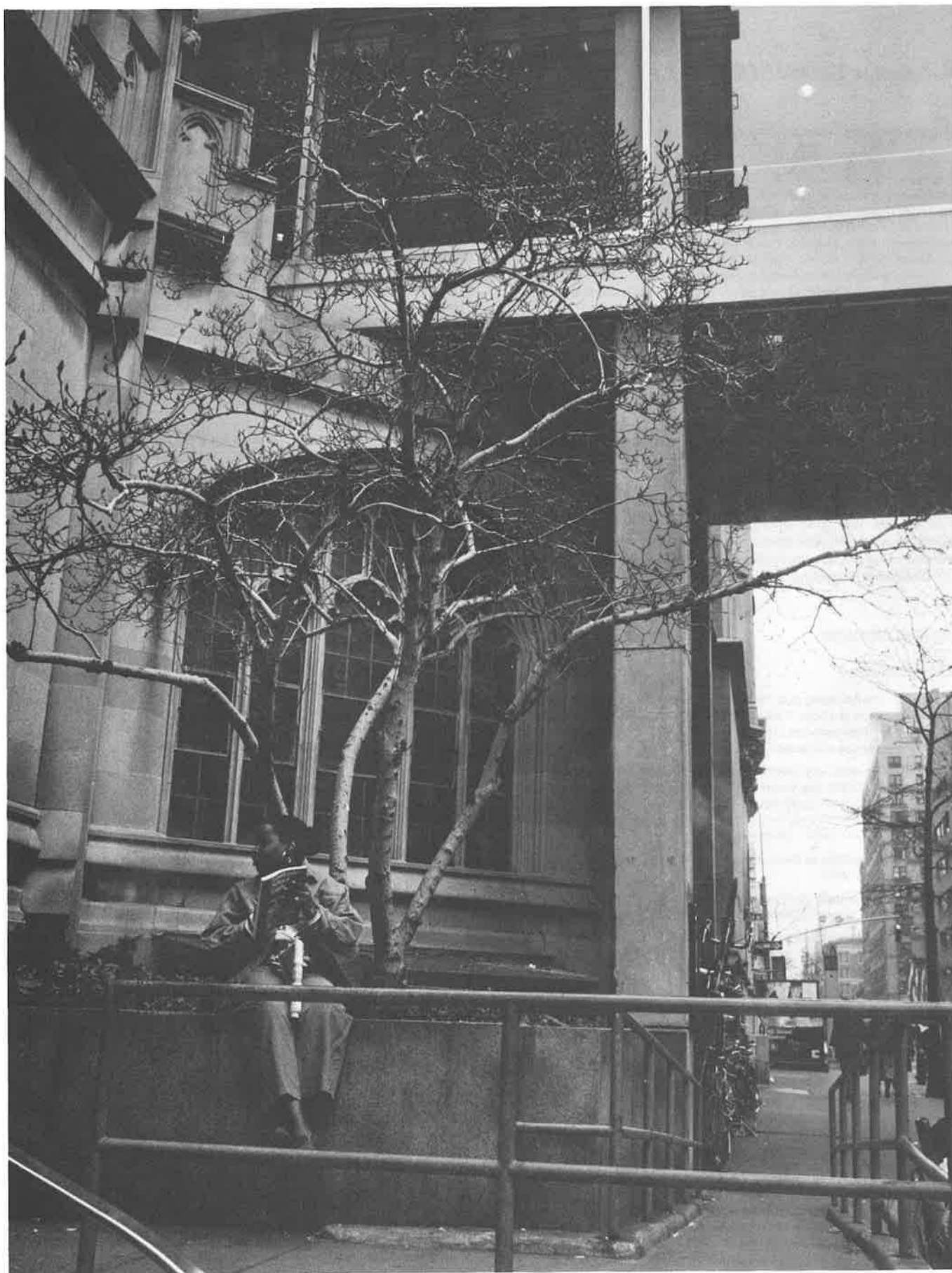
200-level course designation Courses of intermediate college-level difficulty, courses with 100-level course(s) as prerequisite(s), or survey courses devoted to particular areas or fields within a discipline.

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	ITAL	Italian	Romance Languages
ANTHC	Cultural anthropology (anthropological linguistics, archaeology)	Anthropology	JSS	Jewish social studies — interdisciplinary	Jewish Social Studies
ANTHP	Physical anthropology (genetics, paleontology, primate ecology, human evolution)	Anthropology	LACS	Latin American & Caribbean studies	Latin American & Caribbean Studies
ARTCR	Art (creative)	Art	LAT	Latin	Classical & Oriental Studies
ART H	Art (theory and history)	Art	MATH	Mathematics	Math & Statistics
ASTRO	Astronomy	Physics & Astronomy	MEDIA	Media studies (including journalism)	Communications
BIOL	Biological sciences	Biological Sciences	MLS	Medical laboratory sciences	School of Health Sciences
BLPR	Black & Puerto Rican studies	Black & Puerto Rican Studies	MUSHL	Music (history & literature)	Music
CHEM	Chemistry	Chemistry	MUSIN	Music (individual study project)	Music
CHIN	Chinese	Classical & Oriental Studies	MUSPF	Music (performance)	Music
CLA	Classical culture and archaeology	Classical & Oriental Studies	MUSTH	Music (theory)	Music
COMHE	Community health education	School of Health Sciences	MVMT	Movement	Health & Physical Education
COMM	Human communications studies	Communications	NFS	Nutrition & food science	School of Health Sciences
COMPL	Comparative literature	Comparative Literature	NURS	Nursing education	School of Nursing
COUNS	Counseling	Programs in Education	ORSEM	Orientation seminar	Office of Student Services
C SCI	Computer science	Computer Science	PEDCO	Physical education (coed)	Health & Physical Education
CUNBA	CUNY independent study/fieldwork	CUNY Baccalaureate Program	PEDM	Physical education (men)	Health & Physical Education
DAN	Dance	Dance	PEDW	Physical education (women)	Health & Physical Education
DANTH	Dance Therapy	Health & Physical Education	PGEOG	Physical geography	Geology & Geography
ECO	Economics and accounting	Economics	PHILO	Philosophy	Philosophy
EDFDN	Educational foundations	Programs in Education	PHYS	Physics	Physics & Astronomy
EDUC	Curriculum & teaching	Programs in Education	PHYSC	Physical science	Physics & Astronomy
EOHS	Environmental & Occupational Health Sciences	School of Health Sciences	POL	Polish	Classical & Oriental Studies
ENGL	English	English	POLSC	Political science	Political Science
EPS	Energy policy studies	Energy Policy Studies	PORT	Portuguese	Romance Languages
FILM	Film	Theatre & Film	PSYCH	Psychology	Psychology
FREN	French	Romance Languages	PT	Physical therapy	School of Health Sciences
GEOG	Geography	Geology & Geography	QSTA	Quest	Curriculum & Teaching
GEOL	Geology	Geology & Geography	QSTB	Quest	Educational Foundations
GERMN	German	German	REL	Religion	Religion
GRK	Greek	Classical & Oriental Studies	RUSS	Russian	Classical & Oriental Studies
GTECH	Geographic techniques & methods	Geology & Geography	SCI	Sciences and mathematics — interdisciplinary	Sciences and Mathematics Division
HEBR	Hebrew	Classical & Oriental Studies	SHS	Health sciences — interdisciplinary	School of Health Sciences
HECO	Nutrition & Food Science	School of Health Sciences	SOC	Sociology	Sociology
HED	Health education	Health & Physical Education	SOSCI	Social sciences — interdisciplinary	Social Sciences Division
HIST	History	History	SPAN	Spanish	Romance Languages
HONS	Special honors curriculum	Council on Honors	STAT	Statistics	Math & Statistics
HUM	Humanities — interdisciplinary	Humanities & the Arts Division	SWA	Swahili	Black & Puerto Rican Studies
ILBAC	Independent learning by achievement contract	Office of Student Services	TELE	Dramatic television	Theatre & Film
			THEA	Theatre	Theatre & Film
			URBP	Urban planning	Urban Affairs
			URBS	Urban studies	Urban Affairs
			UKR	Ukrainian	Classical & Oriental Studies
			WOMST	Women's studies — interdisciplinary	Women's Studies
			YOR	Yoruba	Black & Puerto Rican Studies



Academic Skills/SEEK

Department Office East Building room 919, phone 772-5725

Chair/Director Andrew Robinson

Professor A. Robinson

Associate Professors Baxter, Croom, Mason, Rubinfeld, Sherman

Assistant Professors Garcia, Haas, Krishnamachari, Lipson, Mirage-Cardo, Rodriguez, Sawyer

Instructors Allen, Delgado, Grant, Morgan, Serrano, Yopez

Lecturers Boone, Bowns, Connell, Evans, Fuentes, Gordon, Greeley, Hidaru, Laverpool, Maldonado, G. Manley, M. Manley, Martin, Martinez, McCullough, Montague, Morris, M. Robinson, Rose, Segarra, Simmons, Small, Smoke, Soto, Stanley, Tsang, Vactor, Wimberly

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 013 Essentials of Algebra 4 hrs, 1 cr. Prereq: ACSK 011 and ACSK 012 or placement exam. Additional algebraic topics necessary for successful study in pre-calculus (MATH 120).

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. Prereq: placement scores. 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 placement scores. 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, 2 cr. Prereq: ACSK 031 or placement scores. 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.

READING

ACSK 050 Remedial Reading 4 hrs (1 hr lab as required), 0 cr. Prereq: placement scores. Vocabulary expansion, basic comprehension skills, and some study techniques.

ACSK 051 Developmental Reading I 4 hrs (1 hr lab as required), 1 cr. Prereq: ACSK 050 or placement scores. Vocabulary development, literal and interpretative comprehension, study techniques.

ACSK 052 Developmental Reading II 4 hrs (1 hr lab as required), 2 cr. Prereq: ACSK 052 or placement scores. 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 Susan Lees

Professors Bates, Bendix, Conant, C. Ember, Friedlander, Gropper, Johnson, Lees, McLendon, Oates, Pasternak, Szalay

Associate Professors DeWind, Lennihan, McGovern

Assistant Professors Bromage, Parry

Advisors (day) William Parry (evening) Rena Gropper

BA/MA Program Daniel Bates

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 pre-medical 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 (Minori-

ty 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.

Course Access Codes Students must fulfill developmental course requirements before taking many introductory and most advanced courses at Hunter College. Code DR applies to ANTHC 100; codes DX, DY, and DM apply to ANTHC 101 and 126; codes DW, DX, and DM apply to ANTHC 151; and codes DM, DP, DX, and DY apply to all other anthropology courses. For an explanation of the codes see pages 26-27 in this catalogue.

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 requirement. 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 department 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 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 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 art, classics, education, economics, English, geology & geography, Latin American and Caribbean studies, mathematics, music, philosophy, political science, psychology, sociology, and foreign languages.

Physical Anthropology relevant courses in physical anthropology (in the Department of Anthropology) and in 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 who want to do work in anthropology as part of an interdepartmental field, such as energy policy studies, Latin American and Caribbean studies, urban affairs, or 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 department chair at the earliest possible date.

COURSE LISTINGS

Note: Before reading the course descriptions that follow, please refer to the paragraph on course access codes (e.g., DX, DW) in this section.

Biological Anthropology, Genetics, and Paleontology

Most courses are not offered every semester but will be offered at least once in the 1990-92 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 instr. 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 3 hrs, 3 cr. An introduction to selected anthropological concepts through an examination of cultural diversity.

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 instr. 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 instr. 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 instr. 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 instr. 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 of religion, magic; functions and symbolic meaning.

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

ANTHC 309 Rural Societies 3 hrs, 3 cr. Prereq: ANTHC 101 or perm instr. 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 instr. 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 Anthropological Practice 3 hrs, 3 cr. Prereq: ANTHC 101 or perm instr. 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 instr. 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 instr. 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 instr. 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 instr. 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. Prereq: perm instr. Offered every semester.

ANTHC 400 Honors Projects Prereq: 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 instr. Strategies of data collection; determination of age of deposits, environmental reconstruction, examination of artifacts.

ANTHC 226 Archaeology of Africa 3 hrs, 3 cr. Prereq: ANTHC 126 or perm instr. 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 instr. 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 instr. 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 instr. 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 instr. 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 instr. 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 instr. 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 instr. 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 instr. 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 instr. 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 instr. Offered on demand. Introduction to field methods and techniques in survey and excavation; involves weekend fieldwork on nearby sites.

Art

Department Office North Building room 1608, phone 772-4990

Chair Sanford Wurmfeld

Distinguished Professors DeCarava, Krauss

Professors Agee, Bates, Cox-Rearick, Dynes, Feldstein, Humphrey, Huot, Kennedy, Longo, Milkowski, Moore, Morris, Ohlson, Peterson, Swain, Wurmfeld

Associate Professors Crile, Gorchoy, Hofmann, Jaudon, Panzera, Stapleford, Vergara, Wells

Assistant Professors Blum, Carreiro, Sanchez, Roos, Weaver

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 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.

Course Access Codes Students must fulfill developmental course requirements before taking many introductory and most advanced courses at Hunter College. Codes DR and DY apply to ART H 111; codes DX and DW apply to all 300- and 400-level ARTCR courses and all 200-, 300-, and 400-level ART H courses. For an explanation of the codes see pages 26-27 in this catalogue.

Distribution Requirement ART H 111, Introduction to the History of Art, is the only course applicable to the distribution requirement (Category V, Group 1).

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 The department recommends 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 and the arts).

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 will be 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 section of this catalogue.

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.

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

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	
Oriental and Islamic	
African, Pre-Columbian, and Oceanic	9 cr
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 requires 36 cr of course work in art history and 6 cr in studio art. 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 within the required 36 credits.

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).

One course in each of 5 different areas:

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

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

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 Catalogue, 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

Note: Before reading the course descriptions that follow, please refer to the paragraph on course access codes (e.g., DX, DW) in this section.

Studio Art

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

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 instr. 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 instr.

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

Note: ART H 111 is the prerequisite for all advanced art history courses. May be used toward the distribution requirement for humanities and the arts (Category V, Group 1) by all students except those accepted into the 60-credit BFA program.

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. 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 Dürer, Bosch, Bruegel.
- 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, Claude Lorrain.
- 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 instr 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 instr. 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 instr.
- 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 Shirley Raps

Professors Brody, Chappell, Cohen, Dottin, Henderson, Krakow, Lipke, Lyser, Martin, Raps, Rudner, Taylor

Associate Professors Balboni, Filbin, Friedman, Grant, Persell, Schmidt-Glenewinkel, Shah

Assistant Professor Foster

Advisors Advisors are assigned on an individual basis to majors. Contact department office.

The Department of Biological Sciences at Hunter College stresses excellence in both teaching and research. There are fully equipped laboratories that operate with major federal grant support, and students are strongly encouraged to get involved in laboratory research. Recent awards have led to the creation of The Institute for Biomolecular Structure and Function at Hunter College. The Institute consists of faculty from both Biological Sciences and Chemistry working in the areas of biomolecular structure and function. The Institute has provided a state-of-the-art DNA and protein synthesis and sequencing facility housed within the department and is providing funds for the construction of new departmental research facilities and the upgrading of current facilities.

The core curriculum in biological sciences prepares students for admission to both graduate and medical schools and for careers in the biological sciences including teaching, and the growing industry of biotechnology. The curriculum emphasizes cell biology, molecular biology and genetics as the foundation for future careers in fields related to biological science.



Majoring in Biological Science The Department of Biological Sciences offers two major programs: Major I is for students who intend to prepare for graduate study, medicine, dentistry, secondary school teaching, biotechnology and industry. Major II is for students preparing to teach in elementary schools. Students planning to pursue Major I are strongly encouraged to declare their major as soon as possible so that they can begin taking the many pre- and co-requisites for the major. As soon as a student decides to major in the Department of Biological Sciences at Hunter, he or she is assigned a permanent faculty advisor. This advisor will assist in creating a curriculum that will prepare the student for the career in biology that most interests the student. Students are required to meet with their advisor at least once each semester throughout their undergraduate career to discuss their program and their progress.

MAJOR I

This plan consists of 27.5 credits, including a 17.5-credit core of required courses and 10 credits of electives. The CR/NCR grade will not be accepted for courses taken to fulfill the major or the minor.

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 scheme below. However, students must take at least one special topics course (BIOL 470 and 471). Various topics will be offered each semester.

1. 300-level electives: Students must take at least one 300-level course offering listed in the catalog in addition to BIOL 300 and 302.
2. Advanced (400-level) electives: Advanced courses at the 400 level or graduate courses (perm instr and major advisor required) may be taken in addition to or possibly to substitute for one of the courses listed in (1). Students with strong interdisciplinary interests may select advanced course offerings in other departments after approval by their advisor.

3. Honors in biology: For honors in biology, eligible students must take BIOL 480-483 and present their results in a format to be determined by their mentor (2 cr minimum).

Minor for Major I 12 cr from one of the following fields is recommended: chemistry, physics, public health, mathematics, anthropology, and psychology. Other minors may be obtained with the permission of your advisor. Other 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.)

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, physics and chemistry courses be completed as early as your schedule allows. Note that CHEM 101 to 105 must be taken prior to BIOL 200 and that CHEM 222 and 223 must be taken at least concurrently with BIOL 200.

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

The plan for this major includes the following:

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

Minor for Major II The minor is education. For details on course requirements, consult the Education section of this catalog.

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

DISTRIBUTION REQUIREMENTS AND THE BIOLOGY MINOR

Distribution Requirement BIOL 100, 102, required but not included in the major, may be used for the science distribution requirement.

Minor The biology minor must include at least 2 courses beyond the distribution requirement.

OPPORTUNITIES FOR UNDERGRADUATES IN BIOLOGICAL SCIENCES

Undergraduate Research Students who wish to undertake a research project under the supervision of a faculty member should consult the faculty member with whom they wish to work and register for BIOL 480-483. This course is required for students who want to qualify for departmental honors at graduation. Faculty permission is required. Research opportunities for undergraduates at Hunter are available in a variety of relevant areas including cancer biology, developmental biology, neurosciences, AIDS and other contemporary areas of cell and molecular biology. Students also may participate in field projects at the Marine Biological Laboratory in Woods Hole, Mass. In some cases students may arrange to do research at one of the several neighboring biomedical institutions.

Honors Work Students who want to qualify for departmental honors must complete at least one semester of BIOL 480-483, complete a written report during the senior year resulting from work done in BIOL 480-483, and have an overall GPA of 2.8 and a departmental GPA of 3.5.

BA/MA Program in Biopharmacology A special biological sciences BA/MA combined degree program in biopharmacology is open to a limited number of undergraduate majors. It offers students the opportunity to complete both the bachelor's and master's degree requirements in 5 years, taking the final 2 years of lab and course work in the Department of Pharmacology at the Mount Sinai School of Medicine. Interested students should contact the Department of Biological Sciences as early as possible regarding eligibility and curriculum requirements.

BA/MS Program in Biological Sciences/Environmental and Occupational Health Sciences This is an accelerated program leading to a BA in biology and an MS in environmental and occupational health sciences in 5 years. Biology majors admitted to the program start graduate work in their senior year. Interested students should contact a departmental advisor early in their undergraduate studies for more information. This program provides biology majors with a career option in public health.

CAREER PLANNING

Graduate Study Biology majors are encouraged to register for graduate courses in their senior year. Laboratory research under faculty supervision (see undergraduate research above) is extremely valuable for gaining admission to graduate schools. Students planning to apply to graduate school should consult with their advisor as early in their college career as possible.

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

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 want to teach biology and general science at the secondary level should select Major I. BIOL 460 is strongly recommended as an elective. BIOL 460 provides qualified majors with a unique opportunity to do laboratory teaching.

Preparation for Industry and Biotechnology Students interested in careers in the rapidly growing field of biotechnology should consult with their advisor as early as possible. Students should also take graduate courses during their senior year and consider obtaining a master's degree as well.

COURSE LISTINGS

Course Access Codes Students must fulfill developmental course requirements before taking many introductory and most advanced courses at Hunter College. Codes DR, DX, DM, and DP apply to all BIOL courses; in addition, code DW applies to all 200-, 300-, and 400-level BIOL courses. For an explanation of the codes see pages 26-27 in this catalog.

†BIOL 100 Principles of Biology I 7 hrs (3 lec, 3 lab, 1 disc), 4.5 cr. Offered Fa. The chemical basis of life; basic structure and function of pro- and eucaryotic cells; bioenergetics; Mendelian and molecular genetics; development and mechanisms of control of gene expression at all levels; population genetics and evolution.

†BIOL 102 Principles of Biology II 7 hrs (3 lec, 3 lab, 1 disc), 4.5 cr. Offered Sp. Taxonomy; homeostasis; internal transport and gas exchange in plants and animals; plant hormones; osmoregulation; mechanisms of action in the muscular, nervous, and neuroendocrine systems; the senses, behavior; ecology.

†BIOL 120 Anatomy and Physiology I 6 hrs (3 lec, 3 lab), 4.5 cr. Prereq: CHEM 100, 120. Offered Fa. Cell structure and function; histology; nervous, muscular, and skeletal systems; integument. (Required for admission to the nursing program.)

†BIOL 122 Anatomy and Physiology II 6 hrs (3 lec, 3 lab), 4.5 cr. Prereq: BIOL 120 or equiv. Offered Sp. Structure and function of circulatory, digestive, excretory, endocrine, and reproductive systems. Basic concepts of metabolism, embryology. (Required for admission to the nursing program.)

BIOL 200 Cell Biology I: Microorganisms 7 hrs (3 lec, 4 lab), 4.5 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 and viruses; their cultivation, growth, evolution, metabolism, and genetics. Laboratories include light microscopy techniques, cultivation, growth, metabolism, and genetics of microorganisms 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. Offered Sp. 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 100, 102 or equiv. Microorganisms in normal and polluted environments; spills; waste and water treatment; metallic pollutants.

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

BIOL 211 Advanced Physiology 3 hrs (lab), 1.5 cr. Laboratory experiments relevant to human physiology. (Open to RN Pathway students and nutrition majors.)

† A \$15 materials fee is required.

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: CHEM 100, 101, 120, 121 or 102, 103, 104, 105; 222, 223, 224, 225 and BIOL 120, 122. Viruses and microorganisms, including beneficial and harmful activities. Topics include function in relation to ultrastructure, growth and its control, metabolism and its regulation, genetics and recombinant DNA technology, ecology, agricultural, food and industrial microbiology, infectious diseases and immunity. (Required for admission to the nursing program. Not accepted for credit towards the biology major.)

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 the dietetics program. (Not accepted for credit towards the biology major.)

BIOL 300 Molecular Biology 7 hrs (3 lec, 3 lab, 1 disc), 4.5 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, 3 lab, 1 disc), 4.5 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 Fa. 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 instr. Offered Sp. 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 360 Molecular Immunology 3 hrs (lec), 3 cr. Prereq: BIOL 300, 302 or perm instr. Offered Sp. Study of immunology from a molecular biological perspective. Molecular genetics of antibody diversity, hematopoiesis, humoral and cellular immunity, relationship between the immune system and other cell communication systems, histocompatibility, and signal transduction. For advanced biology majors.

BIOL 370 Physiology of the Nervous System 5 hrs (2 lec, 3 lab), 3 cr. Prereq: BIOL 100, 102, 200, 202 or perm instr. Neuron structure, conduction; neuroanatomy, synapses, integration; neuroembryology. Laboratory covers major concepts presented in lectures: neurophysiological experiments, histology, anatomy and development of the nervous system. Writing requirements: essay examinations.

BIOL 376 Endocrinology 3 hrs (lec), 3 cr. Prereq: BIOL 100, 102 or BIOL 120, 122 or perm instr. Endocrine system organization; mechanisms of hormone action; hormonal regulation of metabolism, reproduction, and nervous system functions. Three examinations plus a written report on current literature.

BIOL 390 Laboratory in Cell Fine Structure 5 hrs (1 lec/demo, 4 lab), 3 cr. Prereq or coreq: BIOL 300 and perm instr. Offered Fa. Application of electron microscopy to study of cell structure and function. Lab projects utilize thin sectioning, negative staining, darkroom printing, and other techniques.

BIOL 450 Individual Tutorial in Biology 1 or 2 cr. Prereq: 18 cr in biology, approval of advisor, 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 Department 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 required. 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. An oral presentation and a written paper are required.

BIOL 480-483 Introduction to Experimental Biology 1 or 2 cr per sem. Prereq: BIOL 100 and 102 and 1 semester of BIOL 200 or 202 or the equiv and perm instr. Laboratory research under guidance of faculty member. Written report required upon completion of research. Required for honors candidates.

Courses not offered in 1990-92:

BIOL 208 Ecology

BIOL 252 Comparative Anatomy of the Vertebrates

BIOL 274 Physiology of Activity

Black and Puerto Rican Studies

Department Office West Building room 1111, phone 772-5035

Chair José Manuel Torres-Santiago

Professors Hernandez, Jackson

Associate Professors Hassen, Richards, Torres-Santiago, Zentella

Assistant Professors López-Adorno

Instructor Rodríguez

Lecturers Bain, Kassimali, Sears

Advisor Jaffer Kassimali

The Department of Black and Puerto Rican Studies was established on the initiative of students and faculty in 1968. The curriculum provides for creative and multidisciplinary study of the past, present, and future of Africans and peoples of African descent throughout the world, and Puerto Ricans in Puerto Rico and the United States. Emphasis is placed on their historical and cultural achievements and on their resistance to systematic racism, colonial exploitation, enslavement, and oppression. The faculty's educational backgrounds encompass such disciplines as anthropology, economics, education, history, law, literature, linguistics, political science, public administration, and sociology.

The department prepares students for careers in government, education, and community organizations; for entrance to professional schools such as law, social work, and urban planning; and for graduate study and research in the social sciences and humanities. Graduates of the department have followed careers in journalism, counseling, teaching. Some work in museums; others have entered politics; still other have careers in private industry or in human services, as self-employed professionals.

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 and Puerto Rican Studies, particularly when their career interests include activities with peoples other than European in origin. Similarly, students preparing to teach, and therefore minoring in education, often choose to major in Black and Puerto Rican Studies as a specialty subject in the elementary and secondary school curriculum.

Course Access Codes Students must fulfill developmental course requirements before taking many introductory and most advanced courses at Hunter College. Code DR applies to BLPR 241 and 242; codes DX and DW apply to the following courses in Black and Puerto Rican Studies: BLPR 143, 235-237, 245-247, all 300- and 400-level courses. Codes DX, DW, and DM apply to BLPR 181. For an explanation of the codes see pages 26-27 in this catalogue.

Distribution Requirement No courses offered toward fulfillment of the major may also be offered toward the distribution requirement. The department suggests that students who are considering graduate study of this subject select French or Spanish, Swahili or Yoruba to meet the foreign language distribution requirement (Category III).

Program of Study

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.

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 201.50–201.51, 202.50–202.51, 241, 242, 101.
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 Africana 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 the humanities or social sciences, or 6 credits each from the humanities and social sciences.

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

COURSE LISTINGS

Note: Before reading the course descriptions that follow, please refer to the paragraph on course access codes (e.g., DX, DW) in this section.

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 Latino Communities in New York 3 hrs, 3 cr. Migration, ethnicity, community life, and public policy issues of Latino groups compared; an introduction to the field of Puerto Rican Studies.

BLPR 103 Conquered Peoples in America 3 hrs, 3 cr. Consequences of 19th-century US territorial expansion: an introductory study of the Puerto Rican experience compared with experiences of American Indian, Chicano, and Pacific island peoples.

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 works of Puerto Rican authors and their images of Puerto Rican society.

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 201.50 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 201.51 African History from 1600 AD to Present 3 hrs, 3 cr. Main currents of African history from 1600 AD to present.

BLPR 202.50 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 202.51 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. 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 originally written in English. The course is conducted in English; all course requirements are in English.

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 Caribbean, originally written in English. The course is conducted in English; all course requirements are in English.

BLPR 241 Puerto Rican History to 1897 3 hrs, 3 cr. Socio-historical analysis of Puerto Rico from the Tainos to the Charter of Autonomy.

BLPR 242 Puerto Rican History since 1898 3 hrs, 3 cr. Socio-historical analysis of Puerto Rico dating from the US invasion to the present.

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 US and their migration experiences.

BLPR 248 Caribbean Spanish 3 hrs, 3 cr. Linguistic analysis of Spanish as spoken in Puerto Rican, Dominican, and Cuban communities.

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 the 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 Leaders and Movements of Black Urban Communities 3 hrs, 3 cr. Prereq: BLPR 202.1, 202.2 Personalities and movements that have influenced Black communities of US; 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 instr. 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 instr. 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 instr. 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 instr. 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 instr. 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 instr. 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 instr. 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 instr. Afro-American female authors 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 Politics in Puerto Rico 3 hrs, 3 cr. Comprehensive study of political situation in Puerto Rico; topics include the status issue, political parties and participation.

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 instr. 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 William Sweeney

Professors Barrett, Dannenberg, Diem, Franck, Goss, Hecht, Lavallee, Massa, Quigley, Santoro, Tomasz

Associate Professors Broido, Grohmann, Grossman, Sweeney

Assistant Professors Day, Mills, Mootoo

Advisors (day) William Grossman (evening) Jack Day

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.

Course Access Codes Students must fulfill developmental course requirements before taking many introductory and most advanced courses at Hunter College. Codes DX, DM, and DP apply to all CHEM courses. In addition, code DW applies to all 200-, 300-, and 400-level CHEM courses. For an explanation of the codes see pages 26-27 in this catalogue.

Distribution Requirement No more than 9 credits of chemistry 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 2 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 Chem lecture I and II or A, B, & C and General Chem Labs 1 & 2 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 370. 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 through either graduate study or 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 earned 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 opportunities for students to prepare for careers in teaching at the secondary level in the areas of chemistry and general science. Students who want to qualify for the New York City licensing and/or New York State certification for teaching in secondary schools should consult the Education section of this catalogue.

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 21 credits in education. Details of these requirements and all descriptions of education courses, including the courses in methods, will be found in the Education section of this catalogue.

COURSE LISTINGS

Note: Before reading the course descriptions that follow, please refer to the paragraph on course access codes (e.g., DX, DW) in this section.

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, 1.5 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.

Note: Credit is not granted for both CHEM 100 and 102.

†CHEM 103 **General Chemistry Laboratory I**** 4 hrs (3 lab, 1 recit), 1.5 cr. Prereq: CHEM 102/111 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, 1.5 cr. Prereq: CHEM 103; Prereq: CHEM 104/112 or coreq: CHEM 104. Laboratory experiments illustrating and applying theory of solutions to qualitative analysis.

CHEM 111 **General Chemistry A***** 4 hrs, 2 cr. In-depth introduction to atomic and molecular structure, and a preliminary study of chemical bonding. Completion of 11th year algebra or MATH 121 is strongly recommended.

Note: Credit is not granted for both CHEM 102 and CHEM 111.

CHEM 112 **General Chemistry B***** 4 hrs, 2 cr. Prereq: CHEM 111. Continuation of the study of chemical bonding, stoichiometric calculations and thermodynamics.

CHEM 113 **General Chemistry C***** 4 hrs, 2 cr. Prereq: CHEM 112. Detailed introduction to chemical equilibrium and kinetics, redox reactions and electrochemistry.

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, 1.5 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 or CHEM 113 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, 2.5 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, 2.5 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 or CHEM 113 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, 1.5 cr. each. Prereq: CHEM 249; prereq: CHEM 352 or perm chair. Laboratory course involving experiments based on topics covered in CHEM 352 and 354 on chemical systems.

NOTE: No student may receive credit for both CHEM 100–101 and 102–103, or for CHEM 120–121 and 222–223.

No student may receive credit for more than one of the following: CHEM 100, CHEM 102, CHEM 111.

No student may receive credit for both CHEM 101 and 103 or for both CHEM 121 and 223.

*CHEM 100–101 and 120–121 are primarily for nursing, nutrition and food science, and health science students.

**CHEM 102–105 or CHEM 111–113 are primarily for pre-med, medical laboratory technician, and science majors.

***CHEM 111/112/113 is equivalent to CHEM 102/104 and is recommended for students who wish more time to master the material.

†These courses require a \$15 materials fee.



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 instr. 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 instr. 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 instr. Offered Sp. Biosynthesis of lipids, amino acids, carbohydrates. Muscle contraction, hormones, immune response, DNA sequencing.

CHEM 388 **Topics of Current Interest in Chemistry** 1, 2, or 3 hrs, 1, 2, or 3 cr. Prereq: CHEM 224, 354, and perm instr. 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

Division Head Lionel Tsao

Associate Professor Tsao

Assistant Professor Huang

Advisors (day) Lionel Tsao (evening) Kenny Huang

The Chinese division of the Department of Classical and Oriental Studies 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.

Course Access Codes Students must fulfill developmental course requirements before taking many introductory and most advanced courses at Hunter College. Codes DX and DL apply to courses CHIN 111-151; codes DX and DY apply to courses CHIN 211-251; and codes DX and DW apply to courses CHIN 311-357. For an explanation of the codes see pages 26-27 in this catalogue.

Distribution Requirement Chinese language courses may be used to fulfill the foreign language requirement (Category III). Literature courses in Chinese as well as in English translation may be used to fulfill the literature requirement (Category IV, Part 2). The requirement for humanities and the arts (Category V, Group 3) may be fulfilled by CHIN 111 or 112.

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

Note: Before reading the course descriptions that follow, please refer to the paragraph on course access codes (e.g., DX, DW) in this section.

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. 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. 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 1990-92:

CHIN 151 Survey of Chinese Literature in English Translation

CHIN 311 Selected Studies in Chinese Culture

CHIN 341 Chinese Linguistics



Classical and Oriental Studies

The Department of Classical and Oriental Studies consists of the Classics, Chinese, Hebrew, and Russian divisions. Each of these divisions is listed alphabetically in this catalogue.

Department Office West Building room 1425, phone 772-4960

Chair Tamara M. Green

Classics

DIVISION OF CLASSICAL AND ORIENTAL STUDIES

Division Office West Building room 1425, phone 772-4960

Division Head Tamara M. Green

Professors Pomeroy, White

Associate Professors Green, Rotroff

Assistant Professors Ancona, Haft, Koehl

Lecturer Mayer

Advisors (day) Tamara M. Green (evening) William J. Mayer

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 of the Department of Classical and Oriental Studies 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.

Course Access Codes Students must fulfill developmental course requirements before taking many introductory and most advanced courses at Hunter College. For courses in the classics division, the following codes apply: codes DR and DL for CLA 110; codes DX and DY for CLA 101-210 and 220-227; codes DX and DY for CLA 322-327; codes DX and DW for CLA 250-305, 329, and 330; and codes DX, DW, and DM for CLA 328. For an explanation of the codes see pages 26-27 in this catalogue.

Distribution Requirement Greek or Latin may be taken to fulfill the foreign language requirement (Category III). The literature requirement (Category IV, Part 2) may be fulfilled by a literature course in the original language or in English translation. One of the following courses may be taken to fulfill the humanities and the arts component (Category V, Group 3): CLA 101, 110, 201, 203, 220, 225, 226, 227.

Majors Students who want 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* 18-20 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 division head for these special programs.

COURSE LISTINGS

Note: Before reading the course descriptions that follow, please refer to the paragraph on course access codes (e.g., DX, DW) in this section.

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. 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 328 Theory and Method in Classical Archaeology 3 hrs, 3 cr. Prereq: ENGL 120, CLA 221, 222. Theoretical basis and practical methodology of archaeological excavation and interpretation as applied to ancient Greek and Roman cultures.

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.

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 every 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: LAT 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 Serafina Bathrick

Deputy Chair Eija Ayravainen

Professors DeVito, Downing, Ewen, Stanley

Associate Professors Bathrick, Gibbons, Mader, Newman, Roman, Ross

Assistant Professors Ramsay, Gold

Lecturers Ayravainen, Fleishman, Shore

Director of Media Center Joseph Orefice

Undergraduate Advising Coordinator Eija Ayravainen

Students majoring in the Department of Communications may fulfill their requirements in either the media studies or the human communication sequence. Students majoring in one sequence may not minor in the other sequence. Students majoring in either sequence, however, are encouraged to take courses in the other sequence for elective credits.

Courses in human communication 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 communication and debate.

The media studies program examines the interplay among media organizations and other institutions of social power. Media control and responsibility, media history and criticism, mass culture, media aesthetics, media technology, broadcasting (commercial and public), cable and the new technologies, international communication, telecommunications policy, journalism skills, radio production, and TV production skills constitute the areas of study within the media studies curriculum.

In addition to their classroom activities, students are given the opportunity to earn elective credits and experience the real world of the communications field through Hunter College's Inservice Learning Program.

The institutions participating in this program include newspapers, television networks and stations, record companies, public relations and advertising companies, municipal government agencies, and alternative media.

Course Access Codes Students must fulfill developmental course requirements before taking many introductory and most advanced courses at Hunter College. Codes DX and DW apply to all COMM and MEDIA courses except for COMM 101 and 110. For an explanation of the codes see pages 26-27 in this catalogue.

Distribution Requirement COMM 160 or MEDIA 180 are the *only* courses in communications that fulfill the distribution requirement (humanities and the arts, Category V, Group 2).

Major Sequence in Human Communication

Students concentrating in the human communication sequence have 2 options from which to choose in fulfilling major requirements. COMM 160 Introduction to Human Communication is the prerequisite for all human communication courses unless otherwise stated. It does not count toward the major, but can be counted toward the distribution requirement or elective credits.

In addition to COMM 160, students must take 8 other human communication courses for a total of 24 credits.

Option A

- COMM 160 Introduction to Human Communication
- Two 200-level courses
- Six 300-level courses

Option B

- COMM 160 Introduction to Human Communication
- Three 200-level courses
- Five 300-level courses

Majors in the human communication sequence are encouraged to take COMM 101 Voice and Articulation and COMM 110 Effective Listening as elective credits.

The human communication sequence also periodically includes special topics courses (COMM 299, 399) and a seminar (COMM 499). In some cases these courses may be counted towards the 24-credit major. Students should check with the departmental advisors to determine whether these courses count toward the major or as elective credits.

Students may also receive elective credits by doing an independent study (COMM 401) or honors project (COMM 402), or for work performed at an approved host institution through the Inservice Learning Program (COMM 498). Information about requirements and application procedures for the above may be obtained from the departmental advisors.

Major Sequence in Media Studies

The program in media studies is committed to providing students with an historical, analytical, and interpretive appreciation of the role of the media in contemporary societies; advanced courses with this conceptual and/or research orientation are offered at the 300 level. In addition, the media studies curriculum is designed to foster strong expository media skills; these skills courses in media practice and production are offered at the 200 level.

Students majoring in the media studies sequence must take MEDIA 180 Introduction to Media Studies, which is the prerequisite for all other media studies courses. It does not count toward



the major, but can be counted toward the distribution requirement or elective credits.

In addition to Media 180, students must take 8 other media studies courses for a total of 24 credits.

At least 5 of these courses (15 credits) must be taken in the analytical segment of the curriculum. This segment includes all the 300-level courses (see discussion below about special topics Media 299 and 399 courses). Students should consult a departmental advisor to plan choice and sequence of courses.

A maximum of 3 courses (9 credits) from the media practice and production segments of the curriculum (200-level courses in print journalism, radio production, and television production) may be applied to the 24-credit major. These courses are recommended but not required for the completion of the major. Additional practice and production courses count as elective credits.

The media studies sequence also periodically includes special topics courses (MEDIA 299 and 399) and a seminar (MEDIA 499). In some cases, these courses may be counted towards the 24-credit major. Students should check with a departmental advisor to determine whether these courses count towards the major or as elective credits.

Students may also receive elective credits by doing an independent study (MEDIA 401) or honors project (MEDIA 402), or for work performed at an approved institution through the Inservice Learning Program (MEDIA 498). Information about requirements and applications procedures for the above may be obtained from the departmental advisors.

Minor All communications majors must complete a 12-credit minor in another department. The 12 credits must include two 3-credit courses at any level; one 3-credit course at the 200 level or higher; and one 3-credit course at the 300 level. The department does not accept split minors. Students should consult with a departmental advisor in the choice of a minor. 3 credits of the minor may also be used to fulfill a distribution requirement.

Double Majors Students may choose to complete a major in the Department of Communications and a second major in another department. This does not exclude the need for a minor in a third department. The minor can be approved by either of the two major departments.

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 cer-

tain circumstances these prerequisites can be waived with permission of the instructor.

COURSE LISTINGS

Note: Before reading the course descriptions that follow, please refer to the paragraph on course access codes (e.g., DX, DW) in this section.

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**, unless otherwise stated.

Communication Skills

COMM 101 Voice and Articulation 3 hrs, 3 cr. No prereq. Development of awareness of articulation patterns, rhythm, intonation, and voice quality.

COMM 110 Effective Listening 3 hrs, 3 cr. No prereq. 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 205 Critical Thinking 3 hrs, 3 cr. Prereq: PHILO 111. Training in non-formal, rhetorical, audience-centered reasoning. Analysis of legal and quasi-legal cases.

COMM 240 Effective Speechmaking 3 hrs, 3 cr. Development of skills in speechmaking.

COMM 355 Argumentation and Debate 3 hrs, 3 cr. Study of theories and techniques in argumentation and debate.

Language

COMM 215 Phonetics 3 hrs, 3 cr. Sounds of standard and dialect English; notation of International Phonetic Alphabet; social aspect of speech patterns.

COMM 302 Patterns in Verbal Interaction 3 hrs, 3 cr. Structure and role of speech and language variables in human communication.

COMM 326 Semantics 3 hrs, 3 cr. Approaches to study of meaning in human communication.

Communication Theory

COMM 210 Communication Theory 3 hrs, 3 cr. Theoretical contributions to study of communications.

COMM 320 Psychology of Communication 3 hrs, 3 cr. In-depth theoretical exploration of multiple aspects of interpersonal communication.

COMM 330 Communication in Conflict Resolution 3 hrs, 3 cr. Characteristics of conflict situations and theoretical approaches to their resolution.

COMM 354 Persuasion and Attitude Change 3 hrs, 3 cr. Major emphasis on construction and analysis of persuasive messages.

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.

Interpersonal and Intercultural Communications

COMM 250 Small Group Communications 3 hrs, 3 cr. Exploration of major theories and research findings in area of small group communications.

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 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 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.

Special Courses and Elective Credits

COMM 299 Special Topics in Human Communication Studies 3 hrs, 3 cr. Taught periodically. If given in semester, topic is listed in *Schedule of Classes*.

COMM 399 Special Issues in Human Communication Studies 3 hrs, 3 cr. Taught periodically. If given in semester, topic is listed in *Schedule of Classes*.

COMM 401 Independent Research 1-6 hrs, 1 cr per hr. Prereq: 2 advanced-level courses and perm dept. Directed research or creative endeavor.

COMM 402 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.

COMM 498 Inservice Learning Program 1-6 hrs, 1 cr per hr. Prereq: Jr/Sr only; perm dept and host institution. Opportunity to work at professional institution. One additional cr is gained by attending an inservice seminar.

COMM 499 Seminar 3 hrs, 3 cr. Prereq: perm instr. Readings, discussion, and papers on significant problems in fields of interpersonal communication.

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.

Print Journalism

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.

Video Journalism

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 283 Electronic News Gathering 4 hrs (2 lec, 2 lab), 3 cr. Prereq: MEDIA 281. Development of practical, theoretical, and editorial skills for field production of television news. (MEDIA 390 is the analytical counterpart of this production course.)

MEDIA 284 Industrial Television Production 4 hrs (2 lec, 2 lab), 3 cr. Prereq: MEDIA 281, 282. Elements of video production for organizational settings; the writing and production of training tapes and designing of teleconferences.

Radio

MEDIA 299 Special Topics in Media Studies See under Special Courses and Elective Credits.

Media in History

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.

MEDIA 381 Propaganda and the Mass Media 3 hrs, 3 cr. Study of mass media (broadcast, film, print) as integral forms for propaganda.

MEDIA 391 History of Print Journalism 3 hrs, 3 cr. Development of newspapers and magazines as social force.

Studies in Popular Culture

MEDIA 371 Television Culture 3 hrs, 3 cr. Theoretical analysis of the production and reception of televisual texts, with close reading of particular texts.

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 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 Industries, Policies, and Analysis

MEDIA 375 Media and Politics in the Electronic Age 3 hrs, 3 cr. The impact of the electronic media on American politics.

MEDIA 385 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 388 Public Telecommunications 3 hrs, 3 cr. Programming, philosophy, conflicts, and funding problems in instructional and public television.

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 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 394 Mass Communications and the Law 3 hrs, 3 cr. Relationship of mass media to significant constitutional problems.

International Communications

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 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 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.

Special Courses and Elective Credits

MEDIA 299 Special Topics in Media Studies 3 hrs, 3 cr. Taught periodically. If given in semester topic is listed in *Schedule of Classes*.

MEDIA 399 Special Issues in Media Studies 3 hrs, 3 cr. Taught periodically. If given in semester topic is listed in *Schedule of Classes*.

MEDIA 401 Independent Research 1-6 hrs, 1 cr per hr. Prereq: 2 advanced-level courses and perm dept. Directed research or creative endeavor.

MEDIA 402 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.

MEDIA 498 Inservice Learning Program 1-6 hrs, 1 cr per hr. Prereq: Jr/Sr only; perm dept and host institution. Opportunity to work at professional institutions. One additional cr is gained by attending inservice seminar.

MEDIA 499 Seminar 3 hrs, 3 cr. Prereq: perm instr. Readings, discussion, and papers on significant problems in fields of media studies.

Comparative Literature

Program Office West Building room 1201, phone 772-5163

Chair Gerald Pinciss

Committee Pinciss (English), Alexander (Russian), James (German), Nimetz (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.

Course Access Codes Students must fulfill developmental course requirements before taking many introductory and most advanced courses at Hunter College. Codes DX and DW apply to all comparative literature courses. For an explanation of the codes see pages 26-27 in this catalogue.

Distribution Requirement Any course in comparative literature may be used to fulfill Part 2 of the literature distribution requirement (Category IV). No more than 6 credits in the major-minor in comparative literature may also be offered toward the distribution requirement.

Students who are considering the study of comparative literature on the doctoral level should try to gain proficiency in no fewer than 2 foreign languages with rich literary traditions—e.g., French, Italian, German, Spanish, or Russian.

Major-Minor Requirements Because the study of at least 2 literatures in different languages is essential, students must elect a combined major-minor in comparative literature. A good knowledge of one major foreign language, modern or classical (i.e. the ability to take 300-level courses), is therefore a prerequisite. A reading knowledge of a third 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 2 different literatures, 2 different literary periods, and 2 different genres. In addition to com-

parative 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 2 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 201.50, 201.51, 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.

Note: Before reading the course descriptions that follow, please refer to the paragraph on course access codes (e.g., DX, DW) in this section.

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

Acting Chair Howard A. Rubin

Professors Cohen, Negoita, Rubin, Simoes-Pereira, Wesselkamper

Associate Professors Epstein, Tannenbaum, Teller, Zamfirescu

Assistant Professor Weiss

Advisors See schedule opposite room N1008

The Department of Computer Science provides students with outstanding preparation both for immediate employment as computer professionals and for graduate study. In laboratory courses, students can use a broad spectrum of programming languages and machine architectures and are expected to construct creative solutions to challenging problems in a variety of contexts. In addition, students are educated in the mathematics of computer science—the theoretical foundations that support current technology and will guide its future development. Graduate courses in the department are open to advanced undergraduate majors.

The department's faculty engage in research, write monographs and textbooks, publish regularly in highly respected journals, and obtain grants from government and private sources. Adjunct faculty are highly competent professionals in a variety of specialized technical fields. The department takes an active interest in students' goals and provides extensive advising and guidance.

Course Access Codes Students must fulfill developmental course requirements before taking many introductory and most advanced courses at Hunter College. Codes DX, DW, DM, and DP apply to all C SCI courses. For an explanation of the codes see pages 26-27 in this catalogue.

Distribution Requirement The following courses may be used toward the science and mathematics category of the distribution requirement: C SCI 120, C SCI 130 and C SCI 150. No more than 6 credits of the minor may be used to meet the distribution requirement.

Major (42 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 sequence of courses, which introduces the student to the mathematical and programming concepts necessary to the foundations of computer science, with a B average or better (no mark less than C; only one C for this sequence will be accepted):

C SCI 130 Introduction to Computer Science
C SCI 140 Introduction to Assembly Language Programming
C SCI 150 Discrete Structures
MATH 150 Calculus I
MATH 155 Calculus II

Required Courses All computer science majors must successfully complete the following courses with a grade of C or better:

C SCI 235 Data Structures	C SCI 265 Computer Theory I
C SCI 245 Computer Logic	MATH 211 Linear Algebra
C SCI 255 Operating Systems	STAT 213 Applied Statistics

Electives In addition to the preliminary and required courses, each major must complete 18 hours of elective credits from 300-level and 400-level courses with a grade of C or better. At least 12 elective credits must be in classes other than C SCI 391, 392 and 393. 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, 140, 235 and 435 or 130, 140, 150 and 245.

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 one of the C SCI 493 series of courses or 700-level courses.

Recommended Course Sequence

Term 1 C SCI 130, MATH 150
Term 2 C SCI 140, 150, MATH 155
Term 3 C SCI 235, 245, MATH 211
Term 4 C SCI 255, 265, STAT 213
Term 5 C SCI electives
Term 6 C SCI electives
Term 7 C SCI electives

COURSE LISTINGS

Note: Before reading the course descriptions that follow, please refer to the paragraph on course access codes (e.g., DX, DW) in this section.

C SCI 120 Introduction to Computers for Humanities and Social Sciences 6 hrs, 4 cr. Intended for the nonscientist. Discussions of history, organization, and applications of computers; introduction to art of programming in a high-level language.

C SCI 130 Introduction to Computer Science 6 hrs, 4 cr. First course for prospective majors. Computer organization and problem-solving approached through structured programming language.

C SCI 140 Introduction to Assembly Language Programming 6 hrs, 4 cr. Prereq: C SCI 120 or 130. Computer structure, machine representation of information, machine language, an assembly language. Bit and byte manipulation, subroutine linkage, macros.

C SCI 150 Discrete Structures 3 hrs, 3 cr. Prereq: MATH 150. Mathematical background required for computer science. Sets, relations, cardinality, propositional calculus, discrete functions, truth tables, induction, combinatorics.

C SCI 181, 182, 183 Independent Workshop 1 hr, 1 cr; 2 hr, 2 cr; 3 hr, 3 cr. Prereq: Student must have qualified as a computer science major and have completed 20 credits in the department. Outside internship in practical aspects of computing, e.g., systems programming, bio-medical computing, computer-aided instruction. *Credits may not be used toward the major.*

C SCI 235 Data Structures 6 hrs, 4 cr. Prereq: C SCI 120 or 130, C SCI 150; MATH 150 recommended. Representation of information in computers in the form of strings and arrays. Storage management, accessing, and techniques of processing. Linked lists, stacks, queues, trees, graphs. Recursion, sorting and/or searching algorithms.

C SCI 245 Computer Logic 3 hrs, 3 cr. Prereq: C SCI 150; MATH 150 recommended. Boolean algebra; combinational circuits: adders, comparators, multiplexers, and code conversion. Gate minimization. Sequential circuits, flip flops, counters, Mealy/Moore machines.

C SCI 255 Operating Systems 3 hrs, 3 cr. Prereq: C SCI 140, 235. 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 265 Computer Theory I 3 hrs, 3 cr. Prereq: C SCI 245. Recursion, regular sets, regular expressions, finite automata, context-free grammars, pushdown automata.

C SCI 305 Software Engineering 3 hrs, 3 cr. Prereq: C SCI 255. Problems in large-scale software development including functional analysis of information processing systems, system design concepts, timing estimates, documentation, and system testing.

C SCI 320 Artificial Intelligence 3 hrs, 3 cr. Prereq: C SCI 235. A survey of artificial intelligence including search, planning, control, logical representation, vision, robotics, natural language representation and LISP.

C SCI 325 Systems Analysis and Simulation 3 hrs, 3 cr. Prereq: C SCI 130, 255, MATH 211; STAT 213 recommended. Systems analysis techniques for computer system designs, computer simulation of dynamic systems, modeling concepts, elementary queueing theory, discrete simulation.

C SCI 345 Computer Architecture 3 hrs, 3 cr. Prereq: C SCI 150, 245. Digital computer architecture, logical control, arithmetic units, I/O channels, machine structures, system interface.

C SCI 355 Introduction to Linear Programming 3 hrs, 3 cr. Prereq: C SCI 130, MATH 211. Introduction to operations research and game theory. Simplex method; inconsistency, redundancy, and degeneracy problems; two-phase method; duality; transportation problems.

C SCI 360 Introduction to Compilers 3 hrs, 3 cr. Prereq: C SCI 235, 265. 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 365 Computer Theory II 3 hrs, 3 cr. Prereq: C SCI 265. Turing machines, Post machines, Post's theorem, Minsky's theorem. Determinism and non-determinism. Undecidability, the halting problem. Recursive function theory.

C SCI 370 Numerical Methods 3 hrs, 3 cr. Prereq: C SCI 130 and MATH 155, 211. Accuracy and precision, convergence, iterative and direct methods. Topics selected from: solution of polynomial equations and linear systems of equations, curve fitting and function approximation, interpolation, differentiation and integration, differential equations.

C SCI 375 Introduction to Design and Analysis of Algorithms 3 hrs, 3 cr. Prereq: C SCI 265. The design of algorithms of various types and analysis of their complexity. Worst case and average behavior analysis, optimality. NP-complete problems and approximation algorithms.

C SCI 380 Applied Combinatorics 3 hrs, 3 cr. Prereq: C SCI 150, and one of C SCI 235, C SCI 265, MATH 211. An exploration of the major techniques of enumeration with a view towards applications in computer science. Topics include counting numbers (e.g., binomial and multinomial coefficients, Catalan, Fibonacci, and Stirling Numbers), recursion relations, generating functions, permutation groups, orbits and Polya's Theorem.

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 instr 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 395 Topics in Computer Science 3 hrs, 3 cr. Prereq: C SCI 130. Additional prerequisites vary with specific topics and are announced prior to registration. Topics include networking, data communications, statistical packages, and others.

C SCI 415 Data Communications 3 hrs, 3 cr. Prereq: C SCI 150, 255 and MATH 211. A study of the concepts, components, and protocols employed in data communications networks. Synchronous and asynchronous communications. Modems and modulation techniques. Simple, sophisticated, and intelligent terminals. Multiplexors, front-ends, and concentrators. Polling and selection. Link level protocols. Communications facilities.

C SCI 435 Data Base Management 3 hrs, 3 cr. Prereq: C SCI 235. Hierarchical and network data bases; theory of relational data bases; normalization theory; query languages.

C SCI 460 Advanced Programming Languages 3 hrs, 3 cr. Prereq: C SCI 360. History of programming languages. Features of programming languages such as LISP, MODULA, ADA, APL and others are investigated.

C SCI 470 Numerical Analysis 3 hrs, 3 cr. Prereq: C SCI 370. Advanced topics selected from: solution of equations and systems of equations, curve fitting and function approximation, interpolation, differentiation and integration, differential equations. Major project will be assigned.

C SCI 480 Advanced Discrete Structures 3 hrs, 3 cr. Prereq: C SCI 380. Exploration of modern theoretical tools useful in the design and analysis of information structures and algorithms. Topics include graphical enumeration, Moebius functions, matroids, algebraic and combinatorial methods of optimization, algebraic concepts such as residual classes in public key systems of transmission and group theory in coding.

C SCI 493 Seminar 3 hr, 3 cr. Prereq: perm dept. Topics in microprogramming, information retrieval, artificial intelligence, data communications, and other areas.

Dance

Department Office Thomas Hunter, room 616, phone 772-5012

Director Billy Siegenfeld

Professor Emeritus Dorothy Vislocky

Associate Professor Siegenfeld

Assistant Professor Feinman

Adjuncts Capps, Manilla, Sumler

Advisors (day) Billy Siegenfeld, Jana Feinman

The Dance Program offers a broad-based curriculum with an emphasis on modern dance, including 3 major areas of study:

Technique (modern, ballet, jazz, ethnic, folk);

Creative theory and performance (improvisation, composition, production, repertory);

Theoretical and scientific aspects of dance (musicianship for dancers, dance history, theory and practice of teaching, anatomy and kinesiology, movement re-education)

Registration in courses as well as participation in the Hunter College Dance Company and Dance Club is open to all Hunter students.

Course Access Codes Students must fulfill developmental course requirements before taking many introductory and most advanced courses at Hunter College. The access codes for Dance are as follows: code DM for DAN 113; codes DR and DL for DAN 211, 212, 245, 251, 252, 345, 352; codes DR, DL, and DM for DAN 253 and 254; codes DX, DY, and DM for DAN 223, 323, 341; codes DX and DY for DAN 221, 222, 322, 350, 351, 411, 412, 480; codes DX and DW for DAN 231, 232, 301, 302, 490, 498; and codes DX, DW, and DM for DAN 223, 323, and 341. For an explanation of the codes see pages 26-27 in this catalogue.

Distribution Requirement The requirement for humanities and the arts (Category V, Group 1) may be fulfilled by DAN 102 or 232. No courses taken to fulfill the major or minor requirements may be used to satisfy the distribution requirement.

Major A yearly placement audition is required of incoming majors and minors as well as of all second-year majors. Performance, choreography, and technical production requirements are to be fulfilled prior to graduation.

The following 24-credit curriculum is required of all majors: DAN 111, 112, 151, 211, 212, 221, 222, 223 or PEDCO 250, DAN 231 or 232, 245, 350. These core courses and 6 to 12 credits of electives prepare majors for professional careers in several areas of specialization:

performing and choreography	human movement studies
teaching of dance	dance history and criticism
dance therapy	arts administration

The undergraduate advisor suggests the appropriate sequence of electives for the career specialization the student chooses.

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 should consult the undergraduate advisor before selecting their sequence of courses.

COURSE LISTINGS

Note: Before reading the course descriptions that follow, please refer to the paragraph on course access codes (e.g., DX, DW) in this section.

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.

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 253 Jazz Dance 1 3 hrs, 2 cr. Prereq: DAN 112 or perm instr. Offered D only. Emphasis on distinguishing characteristics of classic jazz dance: isolations, angular body shaping, percussive dynamics, rhythmic precision.

DAN 254 Jazz Dance 2 3 hrs, 2 cr. Prereq: DAN 253 or perm instr. Offered D only. Continued application of concepts of DAN 253 with more advanced material including syncopations common to ragtime, swing, and be-bop. Influence of modern dance and ballet on classic jazz dance.

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 and Performance

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 hrs, 3 cr, 2 hrs open studio. Prereq: DAN 211, 222, or perm instr. 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 hrs, 3 cr, 2 hrs open studio. Prereq: DAN 211, 212, 411, or perm instr. 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.

DAN 113 Basic Musicianship for Dancers 3 hrs, 2 cr. Offered D/Fa 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, 3 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/Sp 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/Fa 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 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

Director, Accounting Program Lila Bergman

Professors Chernick, Geyer, Honig, Randall, Reimers, Shull, Smith

Associate Professors Agbeyegbe, Chatwal, Craig, Filer, Golbe, Kabot, Kirshenbaum, Kohlase

Assistant Professors George, Liveson, Seeley

Instructor Bergman

Advisors (day and evening) Inquire at department office, West Building room 1524

One way to define the scope of economics is to say that it is the social science that deals 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.

Many professional economists are employed by businesses, financial institutions, labor unions, and 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.

Course Access Codes Students must fulfill developmental course requirements before taking many introductory and most advanced courses at Hunter College. Codes DR, DL, DY, and DM apply to ECO 100; codes DR, DL, DY, DM, and DP apply to all other courses. For an explanation of the codes see pages 26-27 in this catalogue.

Distribution Requirement No courses offered toward fulfillment of the major may also be offered toward the distribution requirement. Unless a student splits a minor between 2 departments, 6 credits of the minor may be offered toward the distribution requirement.

Majors The Department of Economics offers 2 majors: The BA in Economics, requiring a minimum of 24 credits, and the BS in Accounting, requiring a minimum of 27 credits of accounting and an additional 36 credits of professional studies. Details are outlined below.

Grade Options Students may choose the system under which they are to be graded. The department strongly urges economics majors who plan to go on to graduate or professional school to 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 or CR to satisfy prerequisite requirements. Students who have not satisfactorily completed prerequisites are not admitted to higher level courses in economics.

Preparation for Teaching In cooperation with the Division of Programs in Education, the Department of Economics provides opportunities to earn, in conjunction with study in other disciplines of the Social Sciences Division, a certificate of qualification from the New York State Education Department to teach social studies on the secondary level. Interested students should consult the Education section of this catalogue.

Interdepartmental Fields Students may take courses in economics as part of an interdepartmental field in Latin American and Caribbean Studies, 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 the 12-credit related social science component. Students in this program should consult the undergraduate advisor in the Department of Urban Affairs before making course selections.

Internships The Department of Economics does not grant credit for participation in internships as such. Participants in programs approved by the College may, however, obtain credit for independent study in areas of economics to which an internship is related. An independent study of this kind must be supervised by a faculty member in the appropriate area. It is the student's responsibility to contact the faculty member and make arrangements.

Accelerated BA/MA Program in Economics The Department of Economics offers promising students the opportunity to complete both the BA and MA degrees within 125-131 credits, 30 of which must be at the graduate level. 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 220, 221, 300, 301, and 321, or their equivalents. An undergraduate major in economics is normally re-

quired. Thomas Hunter honors students may be admitted without declaring an undergraduate economics major, provided that the above courses are completed. To apply, send a letter of application and undergraduate transcript to the Department of Economics 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 ECO 499 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 ECO 200 and 201 with a C or better in each course. They should bring their grade record to the department advisor when they declare the major. Students majoring in economics must take:

- A. ECO 200 and 201. These courses must be completed prior to declaring a BA major in economics. Although required, they 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 200 or 201, but they are advised to take ECO 100 before 200 or 201 if they have not had recent exposure to economics in high school. If taken, ECO 100 cannot be substituted for either ECO 200 or 201 or credited toward the major.
- B. ECO 220, 221, 321, and 300 or 301. These courses, along with ECO 200 and 201 (as described above), are the core of the economics major. Students are urged to complete the core courses as soon as possible before proceeding to higher level courses in economics.

The department may waive the requirement of any of the above or other courses upon satisfactory proof of course equivalency or a Department of Economics examination that establishes competence. Courses waived through substitution or examination do not provide course credit nor do they count toward the major.
- C. Elective courses. Any remaining credits needed to complete 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 choose a minor from any other department of the College. The department particularly recommends MATH 150 and MATH 155 as electives. The department also allows a split minor (i.e., 6 credits each from 2 related departments). The department recommends minors in mathematics and computer science, either separately or in combination. See the paragraph on the distribution requirement in this section to learn how courses in the minor may be credited toward the College distribution requirement.

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 director of the accounting program or a department advisor during 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 200 or ECO 201 and ECO 271.

Distribution Requirement (65 cr) Students working for a BS (accounting) degree must complete the Hunter-wide distribution requirement shown on pages 22-24, 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, or 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 200, 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.

Business Law (6 cr) ECO 280, 380.

Statistics (6 cr) ECO 221 and 321 or an additional business-core elective in lieu of 321.

Finance (6 cr) ECO 210, 365, 366.

Business Core

required (6 cr) ECO 200 and one course in computer science
elective (12 cr) ECO 260, 300, 301, 310, 315, 340, 341, 355, 360, 361, 362, 366, 367, 473, 474, 476, 480 and one additional course in computer science if desired. (With departmental permission, other courses may be used as business-core electives.)

Electives Any remaining credits needed to complete the 128 credits required for the BS (accounting) degree must be in liberal arts electives.

COURSE LISTINGS

Note: Before reading the course descriptions that follow, please refer to the paragraph on course access codes (e.g., DX, DW) in this section.

Students who have not completed the prerequisite(s) with a grade of C, CR, 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 re-

* Students must file with the Department of Economics a high school transcript or other evidence providing completion of the requisite number of years.

quired 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 200 Principles of Economics: Microeconomics 3 hrs, 3 cr. Prereq: 3 cr college math (e.g. MATH 120 or passing Part I of the Calculus Readiness Test). May be taken prior to or concurrently with ECO 201. Price theory and resource allocation; market structures; income distribution.

ECO 201 Principles of Economics: Macroeconomics 3 hrs, 3 cr. Prereq: 3 cr college math (e.g. MATH 120 or passing Part I of the Calculus Readiness Test). May be taken prior to or concurrently with ECO 200. Fluctuations in national output and inflation, monetary and fiscal policy.

ECO 220 Techniques of Economic Analysis 3 hrs, 3 cr. Prereq: ECO 200 and MATH 120 or passing Part I of the Calculus Readiness Test. Mathematical techniques applied to economic models.

200 Level—Elective Courses

ECO 210 Money and Banking 3 hrs, 3 cr. Prereq: ECO 200 and 201. Monetary and banking principles and practice; current issues; theory and policy.

ECO 260 Business Organization and Management 3 hrs, 3 cr. Prereq: ECO 200 and 271. The roles and functions of management in a business society.

ECO 295 Selected Topics in Economics 3 hrs, 3 cr. Prereq: ECO 200 or 201. Special topics and issues of research and policy interest. Topics vary each semester. May be repeated for a total of 6 cr.

Core Courses

ECO 221 Economic Statistics I 3 hrs, 3 cr. Prereq: MATH 120 or passing Part I of the Calculus Readiness Test. Statistical theory applied to business and economic problems; correlation, regression, time series analysis.

ECO 300 Intermediate Microeconomics 3 hrs, 3 cr. Prereq: ECO 200, 201, 220. Price determination of goods and factors in markets of varied structures; general equilibrium analysis.

ECO 301 Intermediate Macroeconomics 3 hrs, 3 cr. Prereq: ECO 200, 201, 220. Measurement and dynamics of national income, employment, and growth; policy options.

ECO 321 Economic Statistics II 3 hrs, 3 cr. Prereq: ECO 221. Linear and curvilinear correlation and regression; variance; testing; time series.

300 and 400 Level—Advanced and Elective Courses

ECO 305 Development of Economic Thought 3 hrs, 3 cr. Prereq: ECO 200. Development of economic analysis and theory, preclassical to contemporary.

ECO 306 Marxian Economics 3 hrs, 3 cr. ECO 200. 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 300. Theory and application of fiscal policy; federal budgeting; state and local finance.

ECO 325 Consumer Economics 3 hrs, 3 cr. Prereq: ECO 200. Analysis and application of theories of consumption, income disposition, and consumer protection.

ECO 330 Economic Development 3 hrs, 3 cr. Prereq: ECO 201. 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 300. 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 200 and 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 200. Demand for labor, determination of wages and allocation of time between paid and unpaid activities, "human capital" investments, labor market policy issues.

ECO 346 The Labor Movement 3 hrs, 3 cr. Prereq: ECO 200. 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 200 and 201. 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 200 and 201. 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 200 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 200 and 260. Personnel, wage and salary administration; job evaluation; grievances; union-management relations.

ECO 362 Economics of Marketing 3 hrs, 3 cr. Prereq: ECO 200 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 200 and 271. Financial organization and practices of corporate enterprise, procedures and policy.

ECO 366 Security and Investment Analysis 3 hrs, 3 cr. Prereq: ECO 200 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 200 and 271. Financial reports and their interpretation to inform economic decision making.

ECO 390 Independent Study in Economics 3 hrs, 3 cr. Open to economics majors and minors; prereq: 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 421 Econometrics 3 hrs, 3 cr. Prereq: ECO 200, 201, 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 300 or 301. Special readings, research papers, and seminar discussions on selected 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. Prereq: 3.5 GPA in economics and 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. Prereq: 3.5 GPA in economics and 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 ECO 390, 395, 495, 496, 499 above.)

Education

DIVISION OF PROGRAMS IN EDUCATION

Office: West Building room 1000

Dean Hugh J. Scott 772-4622

Associate Dean Shirley Cohen 772-4621

Associate Dean for

Academic Skills Andrew Robinson 772-5725

Associate Dean for

the Campus Schools Evelyn Jones Rich 860-1262

Office of Educational Services

West Building room 1000, phone 772-4623

Director Adele Schwartz 772-4623

Associate Directors Vernetta von Besser 772-4623, Barbara Ottaviani, 772-4623

Teacher Placement Sally-Anne Milgrim 772-4624

Teacher Certification Charlotte Seley 772-4625

Student Teaching Alene Smith 772-4664

DEPARTMENT OF CURRICULUM AND TEACHING

West Building room 1023, phone 772-4686

Chair Mae Gamble

Professors Balmuth, Byrd, Cooper, Gamble, Milgrim, Niman, Perr, Vasquez, Waxman, Williams

Associate Professors Boedeker, Duschl, Herman, Lawlor, Romero, Smolens, Thibodeau

Assistant Professors Gonzalez, Mercado, Ruccius, Smith, Taharally

DEPARTMENT OF EDUCATIONAL FOUNDATIONS AND COUNSELING PROGRAMS

West Building room 1016, phone 772-4710

Chair Louise Fox

Professors Dederick, Hodges, Hune, Martinez, O'Neill, Pasteur, Segal, Tallmer, Wolinsky, Zalk

Associate Professors Adkins, Buxbaum, Clawar, Fox, Sanchez, Scheffler, Wayne, Yarosz

Assistant Professors Graves, Kelly, Kinsler, Linton, McRae, Subotnik, Wertzer

DEPARTMENT OF HEALTH AND PHYSICAL EDUCATION

West Building rooms 1121 and 1129, phone 772-4640

Chair Susan Higgins

Professors Havel, Higgins, Schmais

Associate Professors Burke, Derfler, Greenberg, Lefkarites, Schleihauf, Seguire, Zabka

Assistant Professors Katzman, Koch, Scolnick

DEPARTMENT OF SPECIAL EDUCATION

West Building room 913, phone 772-4701

See the Hunter College graduate catalogue.

DEPARTMENT OF ACADEMIC SKILLS/SEEK

East Building room 919, phone 772-5725

Chair/Director Andrew Robinson

See Academic Skills/SEEK elsewhere in this catalogue.

Teacher education programs at Hunter College are committed to the preparation of teachers for urban elementary and secondary schools who can deal effectively with the wide range of diverse learning needs found among the City's students. This goal is evidenced in classroom activities, laboratory experiences, and field placements that reflect the cultural and ethnic richness and diversity found in the schools of New York City.



All students who take education as a collateral major, as a minor, or as a series of electives at Hunter must major in a liberal arts subject. In other words, students who take any program in education do so in addition to fulfilling both the distribution requirement and the requirements for a liberal arts major.

A student who completes an undergraduate sequence in elementary or secondary education approved by the New York State Education Department fulfills the academic requirements for New York State Provisional Certification and is eligible to take the New York City license examination in the area studied. (See sections below on New York State certification and New York City licensing for more information.)

The Division of Programs in Education also offers non-certifying minors in education and in counseling. These are described below.

The Office of Educational Services

This office provides support services to students enrolled in classes offered by the 4 teacher education departments of the Division of Programs in Education. The primary areas of services provided include: coordination of admission, advisement, and registration; student teaching and field placement; teacher certification; teacher placement; and various student services—permits, transfer of credit, evaluation of foreign credentials, waivers, leaves of absence, etc.

Advisement in the Office of Educational Services is by appointment only except in emergency situations. The office maintains regular office hours throughout the academic year (September 1–May 31), staying open on select evenings to provide advisement for working and evening session students. Hours may vary during registration periods, during the summer months, and when classes are not in session. Office hours are posted outside room 1000W.

The Office of Student Teaching Students in certifying programs in education are required to do student teaching under supervision. The coordinator of student teaching places eligible students in one of several schools established by the faculty as “clinical centers”—schools in which the diversity of background and range of educational needs of the students are typical for New York City schools.

All students must secure Division permission for student teaching. Application conferences for student teaching are held in November (for the following spring semester) and in April (for the following fall semester). Announcements of these conferences are posted outside room 1000W.

New York State Certification The undergraduate sequences in education described below (unless otherwise indicated) have been approved by the New York State Education Department to lead to Provisional Certification for teaching in New York State. To earn this certificate the student must successfully complete the approved program of study, obtain the BA or BS degree, and pass the required National Teachers' Examination. The Office of Educational Services processes the certification applications of students who complete all of these requirements.

The certificate permits the holder to teach for 5 years, during which time earning an approved master's degree and completing at least 2 years of full-time teaching in the certificate title will lead to permanent certification. (Citizenship is required for permanent state certification.)

New York State certification is reciprocally accepted by many other states upon application. Students with questions about certification should make an appointment for advisement in the Office of Educational Services.

New York City Licensing Students who complete approved sequences of study will be eligible to take the New York City Board of Education's license examination. Since these examinations are not given regularly, the Board of Education offers a Temporary Per Diem Certification (TPDC) upon application. The TPDC allows the teacher to teach as soon as a position is available, while awaiting the regular license examination in the title of choice. License examination schedules are posted in the Office of Educational Services.

Office of Teacher Placement This office provides professional teacher placement services for:

1. Undergraduates at Hunter College who are enrolled in student teaching while working toward New York State Provisional Certification.
2. Students with degrees from Hunter College who have completed at least 12 education credits at Hunter and the College's course in student teaching (or at least one year of full-time teaching).

It is common practice for school administrators to request teacher placement files during interviews for teaching positions. Therefore, students are urged to establish their files during the semester in which they student teach and to maintain and update the files during the job search period. This service helps students seeking jobs locally, nationally, and internationally.

Registration Because of the intricacies of certifying programs, students are required to see advisors prior to or during registration in order to secure signed and stamped approval for courses in education. The Division of Programs in Education allows early registration (during April for fall and during November for spring). The Division also provides a schedule of advisor availability during the regular registration period. However, advisement hours do not entirely coincide with registration hours. Students are urged to read the *Schedule of Classes*, particularly the education note in the section titled “Notes,” or to consult the bulletin boards outside room 1000W to determine the best times to see the appropriate advisors or program coordinators. Students are also required to bring student copies of transcripts to allow for informed advisement.

Transfer Students Transfer students who have begun studies at another college must see an education advisor before entering any sequence in education. Courses taken at the college previously attended must be evaluated and a program of education studies developed. All transfer students seeing advisors must show

transcripts and catalogue course descriptions of all college coursework taken before entering Hunter.

Non-Degree Students Non-degree students may be allowed to take courses in secondary education only on a limited basis if course enrollments permit and if they meet program requirements. Non-degree students must secure advisement and course approval during registration. Such students may be graduates of a 4-year college or students matriculated for a 4-year degree at another college; the latter must have written permission from that college to take education courses at Hunter.

Non-degree students may arrange an advisement appointment during the semester with the Office of Educational Services or may see advisors during the registration period according to the schedule of advisement in the *Schedule of Classes*. Non-degree students must present a current student transcript of all prior college work to the advisor from whom they seek permission to register. The Division of Programs in Education reserves the right to determine which courses are granted approval; this determination will be based on entry and prerequisite requirements and on divisional policies and practices in addition to professional judgment.

Hunter College Campus Schools

The Campus Schools are located at Park Avenue and 94th Street in Manhattan. They serve as a laboratory for observation, demonstration, research, curriculum design, and other projects involving their students, all of whom score in the range of the gifted on intelligence and achievement tests. Students are admitted to the Schools on the basis of competitive testing. Efforts are on-going to identify gifted disadvantaged children who meet the Schools' rigorous standards for admission to nursery, kindergarten, and grade 7 (the 3 levels at which students are admitted).

Hunter College Elementary School Children are admitted to the Hunter College Elementary School nursery school during the calendar year in which they reach 4 years of age, and to the kindergarten during the calendar year in which they reach age 5. Only Manhattan residents are eligible to apply.

Hunter College High School The Hunter College High School is a 6-year junior-senior high school. The academic program stresses both acceleration and enrichment and provides students with a classical education. Research focuses on the development of curriculum, teaching strategies, and other educational practices that maintain and advance a "state of the art" approach to the education of intellectually gifted students.

THE COLLATERAL MAJOR IN EARLY CHILDHOOD AND ELEMENTARY EDUCATION

Coordinator Kimberly Kinsler, West Building room 1000, phone 772-4623

The program of study for the B.A. degree at Hunter College consists of 125 credits. All students must major in a liberal arts subject. Students may pursue a program in early childhood and elementary education as a collateral major. The 125 credits required for the B.A. degree are distributed as follows for students pursuing teacher preparation sequences in early childhood and elementary education:

Distribution requirement of liberal arts courses	41-55 credits
Major area of study	minimum of 24 credits
Collateral major in education	34 credits
Electives	0-26 credits

Coursework in Liberal Arts

Teachers in elementary schools are required to teach all subject areas in the curriculum and thus need a broad liberal arts

background in addition to specialized knowledge of teaching. Therefore, students will be required to complete six credits in each of the following areas: English, mathematics, science, social studies,* and foreign language. This can be done almost entirely within the college distribution requirement.

All students pursuing the program in early childhood and elementary education must take two specific courses in mathematics, namely MATH 103 Mathematics for Elementary Education, and MATH 191 Mathematics in Human History. One course in Black and Puerto Rican Studies, from the courses listed within the distribution requirement, is likewise required for students in the early childhood and elementary education program.

The courses listed below have been identified as being particularly relevant for students planning to enter the early childhood and elementary education program. Students are *strongly advised* to take these courses in fulfilling distribution requirements outside their major subject area, and in fulfilling the requirements for six credits in each of the subject areas of English, mathematics, science, social studies,* and foreign language.

Science

SCI 101 and 102 Foundations of Science

Humanities and the Arts

Two of the three courses listed below:

HUM 201 Explorations in the Arts
ART H 111 Introduction to History of Art
MUSHL 101 Introduction to Music

and

MEDIA 180 Introduction to Media Studies

Social Sciences

HIST 151 and 152 The U.S. from the Colonial Era to the Civil War; The U.S. from the Civil War to the Present

GEOL 101 People and Their Environment
AND

one course in Black and Puerto Rican Studies from the distribution requirement, Category VI Social Sciences

Literature

ENGL 220 Introduction to Literature
AND

one course from among the following:

ENGL 250 Topics in Literature
BLPR 235 African Literature
BLPR 236 Afro-American Literature
BLPR 237 Afro-Caribbean Literature
OR

Literature in a foreign language

The QUEST (Quality Urban Elementary School Teachers) Program at Hunter College fulfills academic requirements for New York State provisional certification in early childhood and elementary education, nursery through sixth grade. QUEST courses, which are taught in the public schools, are available only during day session hours. QUEST is an integrated, holistic program. In order to maintain its integrity, no more than six credits of coursework completed at other institutions may be used toward this collateral major. Only coursework equivalent to the first six credits within the QUEST program will be accepted for this purpose.

* The State Education Department defines social studies to include history, economics, sociology, cultural anthropology, political science, and geography.

Admission Requirements

The QUEST program admission process is completed in two stages. In order to enter the introductory semester, students must have completed 45 or more credits, have a GPA of 2.3* or higher, have completed all developmental coursework, and have passed ENGL 120.

In order to enter the senior or "Intensive Year," students must have fulfilled the following requirements:

1. Taken National Teachers Examination General Knowledge and Communication Skills tests
2. Attained a GPA of 2.5 or higher
3. Completed 85 credits toward the Hunter College degree
4. Passed Math 103 or equivalent
5. Passed Math 191 or equivalent
6. Passed HED 314, Health Education of Children
7. Completed at least one course in Black and Puerto Rican Studies
8. Received at least the following grades in introductory courses:
QST B 200 - C
QST B 201 - B

COURSE SEQUENCE

QST B** 200	Children in the Urban School	4 hrs	4 cr
QST B 201	Urban School Fieldwork	4 hrs	2 cr
QST A** 401	Reading in the Elementary School I	2 hrs	2 cr
QST A 402	Field Experiences in Elementary School Reading I	2 hrs	1 cr
QST B 403	Social Foundations of Urban Education	2 hrs	2 cr
QST A 404.1	Visual Arts and the Curriculum	2 hrs	2 cr
QST A 404.2	Music and the Curriculum	2 hrs	2 cr
QST A 404.3	Physical Activities in the Elementary Classroom	2 hrs	2 cr
QST A 405	Technology and Education	3 hrs	2 cr
QST A 406	Mathematics Teaching and Learning in Early Childhood and Elementary Schools	2 hrs	2 cr
QST A 407	On-site Professional Experience/ Practice Teaching I	12 hrs	3 cr
QST A 410	Reading in the Elementary School II	2 hrs	2 cr
QST A 411	Field Experiences in Elementary School Reading II	2 hrs	1 cr
QST A 412	Methods of Teaching Social Studies and Language Arts in Early Childhood and Elementary Schools	2 hrs	2 cr
QST B 413	Psychology of Teaching and Learning	2 hrs	2 cr
QST A 414	Teaching Science in Early Childhood and Elementary Schools	2 hrs	2 cr
QST A 415	On-site Professional Experience/ Practice Teaching II	12 hrs	3 cr
QST B 416	Integrative Seminar	2 hrs	2 cr
			<u>34 cr</u>

* Students with GPAs below 2.5 must meet with the QUEST Coordinator or the Director of the Office of Educational Services, room 1000W, to consider what the student can do to raise his/her GPA to 2.5 by the senior year.

* QST B courses are offered by the Department of Educational Foundations and Counseling Programs. See Department listing for course descriptions.

** QST A courses are offered by the Department of Curriculum and Teaching. See Department listing for course descriptions.



Organization of the QUEST Program

Introductory Semester (6 credits) QST B 200, QST B 201

This term consists of a 4-credit course and a 2-credit practicum. Students must register for both courses together. Students will meet two mornings a week in a public school. On each of these two mornings, students will spend two hours in a didactic class and two hours observing and assisting in classrooms.

Bridge Semester(s)

This is the period between the introductory semester and the Intensive Year. Students should work on completion of all admission requirements for the intensive year during this Bridge period. The QUEST Coordinator is available to advise students who need special help in fulfilling requirements. There will be Bridge Semester meetings in which QUEST program students may elect to participate. Students can explore with their major area advisors the possibility of taking independent study to carry out projects relating their major disciplines to early childhood or elementary education.

Intensive Year (28 credits)

During the *Intensive Year*, students will be in the public schools from 8:30 A.M. until 3:00 P.M. on three days a week, and from 8:30 A.M. until 12:30 P.M. on a fourth day. On each day, they will have one 2-hour didactic class and a half-hour lunch. The rest of the time will be spent observing, assisting, and teaching in classrooms, supervised by the cooperating teacher and the members of the QUEST faculty team. In addition, on the fourth afternoon students will have a two-hour class at the College. Altogether, students will spend 14 hours per week in public school classrooms, and another 8 hours in course sessions, most of which will take place in the public schools.

Students enrolled in the on-site professional experience courses will observe the public school calendar. Their placement will begin on the first day of the public school semester. Further, students who begin the Intensive Year in the fall must continue the placement throughout the month of January; students who begin in the spring must continue through the month of June.

The Intensive Year includes two semesters for a total of 28 credits. Students with GPAs below 3.0 may not register for any additional courses at the College during this year. Students with GPAs of at least 3.0 will be permitted to register for one liberal arts course during each semester of the QUEST Intensive Year, provided they need to do so to complete their major area studies. Some students may need to take more than four years to complete the degree.

- A. First Semester Courses (14 credits) QST A 401, QST A 402, QST B 403, QST A 404.1, or A 404.2, or A 404.3, QST A 405, QST A 406, QST A 407
- B. Second Semester Courses (14 credits) QST A 410, QST A 411, QST A 412, QST B 413, QST A 414, QST A 415, QST B 416

A chart showing typical first and second semester schedules follows:

TYPICAL FIRST SEMESTER OF INTENSIVE YEAR

	MONDAY	TUESDAY	WEDNESDAY	THURSDAY
8:30 - 10:30	FIELD EXPERIENCES IN CLASSROOMS			
	QST A402	QST A407	QST A407	QST A407
10:30 - 12:30	COURSE SESSIONS AT PUBLIC SCHOOL			
	QST A401	QST A406	QST B403	QST A404.1 or A404.2 or A404.3
12:30 - 1:00	LUNCH	LUNCH	LUNCH	LUNCH AND TRAVEL
1:00 - 3:00	FIELD EXPERIENCES IN CLASSROOMS			
	QST A407	QST A407	QST A407	2:00 - 5:00 QST A405 TECHNOLOGY AND EDUCATION (Meets at Hunter College)

TYPICAL SECOND SEMESTER OF INTENSIVE YEAR

	MONDAY	TUESDAY	WEDNESDAY	THURSDAY
8:30 - 10:30	FIELD EXPERIENCES IN CLASSROOMS			
	QST A411	QST A415	QST A415	QST A415
10:30 - 12:30	COURSE SESSIONS AT PUBLIC SCHOOL			
	QST A410	QSTA414	QST B413	QST A412
12:30 - 1:00	LUNCH	LUNCH	LUNCH	LUNCH AND TRAVEL
1:00 - 3:00	FIELD EXPERIENCES IN CLASSROOMS			
	QST A415	QST A415	QST A415	2:00 - 4:00 QST B416 INTEGRATIVE SEMINAR (Meets at Hunter College)

The QUEST program in early childhood and elementary education described above has replaced all pre-existing programs in early childhood and elementary education. These programs, either the day or evening session Program in Elementary and Early Childhood Education Program or the TTT-Training Tomorrow's Teachers Program, are currently being phased out. Students who entered Hunter College prior to the Fall, 1989 semester may be completing the courses in either of these previous programs. For course requirements and descriptions, please see the 1988-90 undergraduate catalogue.

For advisement and course approval, please see the coordinators of those two programs as follows:

Program in Elementary and Early Childhood Education

Coordinator Carmen Mercado, West Building room 1000, phone 772-4623

TTT-Training Tomorrow's Teachers

Coordinator George Gonzalez, West Building room 1000, phone 772-4638

CERTIFYING PROGRAMS IN ACADEMIC SUBJECTS, GRADES 7-12 and SPECIAL SUBJECTS, GRADES K-12

Hunter College offers the following programs leading to Provisional Certification in academic subjects, grades 7-12 in the following: Biology, Chemistry, Chinese, Earth Science, English, French, German, Greek, Hebrew, Italian, Mathematics, Physics, Russian, Social Studies and Spanish. Provisional Certification is also offered in the following special subjects, grades K-12: Art, Health Education, Music and Physical Education. Advisement in education course selection for these programs is available in the West Building room 1000; telephone 772-4623.

Students who wish to earn New York State Provisional Certification to teach one of these subjects are required to take the sequence of education courses listed below in addition to the courses required by the relevant major department.

Admission to the sequence of education courses requires that the student complete at least 45 college credits with a minimum GPA of 2.5.

Sem I	EDFDN 261 and EDFDN 272 (courses may be taken one at a time)
Sem II	EDFDN 362 and EDUC 360-381*
Sem III	EDUC 350 or EDUC 355 and EDUC 460-483 EDUC 400.54

The following may be taken any time after Sem I: EDUC 352 (art education majors only), EDUC 353 (music education majors only).

* EDUC 360-381 are not offered every semester. Students should plan programs in advance.

Major Department Requirements for Secondary Education Certification

Candidates for Provisional Certification to teach a subject on the secondary level must complete subject-matter requirements of the New York State Education Department for teaching that subject. Note that subject-matter requirements for certification may exceed Hunter's major-minor requirements. Students must see major departments for advisement on subject-matter requirements.

All applicants for secondary school student teaching must obtain permission from both the major department and the Division of Programs in Education.

This section either gives the specific course and credit requirements for teaching one of the secondary-school subjects Hunter College offers or tells the reader where to find them. For subjects not listed below consult the relevant department listing in this catalogue.

Art See the Department of Art section of this catalogue.

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. New York State does not offer certification in this area, but students may be licensed to teach in New York City schools. Education courses are electives.

English Candidates need a minimum of 36 credits, including:

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 380 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 and Puerto Rican Studies (literature courses), foreign languages (advanced literature courses or literature in translation) 9 cr.

Foreign Languages Candidates need a minimum of 24 credits in a foreign language. They may choose courses in the literature 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. Consult the appropriate department for major requirements.

Health Education See the Department of Health and Physical Education section of this catalogue.

Mathematics Candidates need a minimum of 24 credits in mathematics. For certification purposes they may use the courses which fulfill department requirements. The state requires that the 24 credits include a full year of differential and integral calculus.

Music See the Department of Music section of this catalogue.

Physical Education Students preparing to teach are advised to elect the major in physical education leading to the BS degree. For further details, consult the Department of Health and Physical Education section of this catalogue.

Science Students may earn provisional certification in one of these titles:

- Teacher of Biology and General Science
- Teacher of Physics and General Science
- Teacher of Chemistry and General Science
- Teacher of Earth Science and General 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 unless they are seeking certification in earth science. All science courses must be laboratory courses.

In addition, all candidates must complete 6 credits in mathematics and at least an additional year of the science in which certification is sought. It is expected that students will be majors in the science for which certification is sought.

Biology majors must take an introduction to genetics course and at least one year of mathematics. Other science majors should complete courses in differential and integral calculus.

For further information consult the major science department.

Social Studies Candidates need 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)

Note: Courses in physical anthropology will not apply toward certification for social studies teaching as part of the social science requirement. Three credits of cultural anthropology and 3 credits of sociology will be accepted as one field.

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.

MINORS IN EDUCATION AND COUNSELING

Students may enroll in one of the following minors. These minors will not lead to certification. Several course sequences that fulfill a minor are listed below.

Minor in Early Childhood and Elementary Education: QUEST (20 cr)

Coordinator Prof. Kimberly Kinsler, West Building room 1000, 772-4623

Students who cannot or do not wish to complete the 34 credit collateral major in elementary education may take a 20 credit minor, but will not qualify for either New York City licensing or New York State certification for teaching upon its completion. The admission requirements for the minor are the same as for the collateral major. (See the QUEST description above.)

The education requirements for the minor include:

Introductory Semester: QST B 200 and 201 (6 cr.) (See QUEST collateral major description above for admission requirements.)

First Semester of the Intensive Year: (14 cr) QST A 401, QST A 402, QST A 403, QST A 404.2 or 404.3 or 404.4, QST A 405, QST A 406, QST A 407. (See chart, "Typical First Semester of the Intensive Year" in the collateral major QUEST description above.) Students with GPAs below 3.0 may not register for any additional courses at the college during this intensive semester. Students with GPAs of at least 3.0 will be permitted to register for one additional course outside of education during this semester.

Minor in Teaching English as a Second Language (15 cr)

Advisement West Building room 1000, phone 772-4623

For this minor, the student takes psychological and social foundations courses in addition to specialized courses in teaching English as a second language. The courses do not necessarily fulfill all the undergraduate requirements for entrance into a master's degree program in the field or for certification, but they offer the student an opportunity to gain a background in the area.

The courses required for this minor are EDFDN 261, 272, 362; EDUC 356, 433.

The proposal to close this program is pending Hunter College Senate approval.

Minor in Counseling (15 cr)

Advisor Margot Tallmer East Building room 1218, phone 772-4718

The counseling minor introduces the student to basic principles of counseling, knowledge of community settings in which counseling occurs, and specific skills in interviewing and counseling. Many pre-professional jobs in group homes, substance abuse programs, nursing homes, and centers for the developmentally disabled are available for students with such skills. Students are required to meet with the program advisor before entering the program.

The recommended sequence of courses for this minor is: COUNS 301, 302, 411, 405, 421.

Minor in Counseling the Aging (15 cr)

Advisor Stanley Segal, East Building room 1206, phone 772-4752

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. Students are required to meet with the program advisor before entering the program.

The course sequence for this minor is COUNS 301, EDFDN 363, COUNS 411, EDFDN 364, COUNS 405.

The proposal to close this program is pending Hunter College Senate approval.

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 and must complete the collateral major including student teaching, prior to graduation. They 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.

Kappa Delta Pi Students become eligible for membership in the Iota Alpha Chapter of Kappa Delta Pi, the national honor society for education, when they meet the following criteria: 3.2 GPA, with an education index of 3.5 after 12 credits or 3.7 after 11 credits or 4.0 after 9 credits in education. Applications are available in room 1000, West Building.

COURSE LISTINGS

Educational Foundations and Counseling Programs

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 (e.g., school reform, desegregation, equal opportunity) considered in their social, historical, and philosophical contexts.

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 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.

QUEST Courses

QST B 200 Children in the Urban School 4 hrs, 4 cr. Coreq: QST B 201. The psychological development of preschool and school-age children; the school in urban society; classroom survival skills; understanding and working with children in preschools and elementary schools; working with parents; professional ethics. This course may be repeated once by students who receive a grade of "D" or lower.

QST B 201 Urban School Fieldwork 4 hrs, 2 cr. Coreq: QST B 200. Applications of concepts and principles from QST B 200 through supervised experience in urban elementary school classrooms. This course may be repeated once by students who receive a grade of "C" or lower.

QST B 403 Social Foundations of Urban Education 2 hrs, 2 cr. Prereq: QST B 200, QST B 201, ENGL 120. Coreq: QST A 401, QST A 402, QST A 404.1 or .2 or .3, QST A 405, QST A 406, QST A 407. Contemporary issues in American education considered in their social, historical, and philosophical contexts.

QST B 413 Psychology of Teaching and Learning 2 hrs, 2 cr. Prereq: QST A 407. Coreq: QST A 410, QST A 411, QST A 412, QST A 415, QST B 416. Diverse learning styles and modalities; models of instruction; effective teaching and effective schools; student assessment and evaluation; identification and management of students with special needs.

QST B 416 Integrative Seminar 2 hrs, 2 cr. Prereq: QST A 407. Coreq: QST A 410, QST A 411, QST A 412, QST B 413, QST A 414, QST A 415. Specific topics and problems in teaching; issues about professionalism; assistance in job placement and certification.

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 a variety of counseling orientations. Relating client goals to specific counseling approaches.

COUNS 302 Fundamentals of Community Counseling 2 hrs + field visits to community agencies, 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 + field visits, 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 + individual supervision, 3 cr. Prereq: COUNS 301; Jr/Sr only. Understanding use of skills through supervision of assigned interviews.

COUNS 421 Field Experience in Community Counseling 4 hrs + group supervision offered through weekly class meetings, 3 cr. Prereq: COUNS 405, 411, and perm dept. Assignment to community facility. Student functions as preprofessional counselor with application of skills previously developed.

Curriculum and Teaching

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 3 hrs, 3 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 355 Secondary School Programs and Practices 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 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 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

* Some methods courses are offered every other semester only. Consult department.

for fall semester must apply during previous March. Watch for announcement of application conference.

EDUC 460 Art	EDUC 471 Italian
EDUC 461 Biology	EDUC 472 Latin or Greek
EDUC 462 Chemistry	EDUC 473 Russian
EDUC 464 Earth Science	EDUC 474 Spanish
EDUC 465 Physics	EDUC 475 Health
EDUC 466 English	EDUC 476 Physical Education
EDUC 467 Chinese	EDUC 479 Mathematics
EDUC 468 French	EDUC 480 Music
EDUC 469 German	EDUC 481 Social Studies
EDUC 470 Hebrew	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 permission of the chairperson.

QST A 401 Reading in the Elementary School I 2 hrs, 2 cr. Prereq: QST B 200, QST B 201, ENGL 120. Coreq: QST A 402, QST B 403, QST A 404.1 or .2 or .3, QST A 405, QST A 406, QST A 407. Basic concepts, methods, and resources used to teach reading to children, nursery through grade VI.

QST A 402 Field Experiences in Elementary School Reading I 2 hrs, 1 cr. Prereq: QST B 200, QST B 201, ENGL 120. Coreq: QST A 401, QST B 403, QST A 404.1 or .2 or .3, QST A 405, QST A 406, QST A 407. Supervised experiences in practical applications of the content of QST A 401.

QST A 404.1 Visual Arts and the Curriculum 2 hrs, 2 cr. Prereq: QST B 200, QST B 201, ENGL 120. Coreq: QST A 401, QST A 402, QST B 403, QST A 405, QST A 406A, QST A 407. The study of the visual arts content, instructional techniques, and materials and their relationship to the urban elementary school curriculum.

QST A 404.2 Music and the Curriculum 2 hrs, 2 cr. Prereq: QST B 200, QST B 201, ENGL 120. Coreq: QST A 401, QST A 402, QST B 403, QST A 405, QST A 406, QST A 407. The study of music content, instructional techniques, and materials, and their relationship to the urban elementary curriculum.

QST A 404.3 Physical Activities in the Elementary School 2 hrs, 2 cr. Prereq: QST B 200, QST B 201, ENGL 120. Coreq: QST A 401, QST A 402, QST B 403, QST A 405, QST A 406, QST A 407. The study and observation of movement activities and related instructional techniques in the context of the urban elementary classroom.

QST A 405 Technology and Education 1 hr lecture, 2 hrs lab, 2 cr. Prereq: QST B 200, QST B 201, ENGL 120. Coreq: QST A 401, QST A 402, QST A 404.1 or .2 or .3, QST B 403, QST A 406, QST A 407. Research and application of technologies that have an impact on education (e.g. computers, television, interactive video, etc.)

QST A 406 Mathematics Teaching and Learning in Early Childhood and the Elementary School 2 hrs, 2 cr. Prereq: MATH 103, MATH 191, ENGL 120, QST B 200, QST B 201. Coreq: QST A 401, QST A 402, QST B 403, QST A 404.1 or QST A 404.2, QST A 405, QST A 407. Modern methods for teaching mathematics through understanding in the elementary grades.

QST A 407 On-site Professional Experience/Practice Teaching I 12 hrs, 3 cr. Prereq: QST B 200, QST B 201, ENGL 120. Coreq: QST A 401, QST A 402, QST B 403, QST A 404.1 or QST A 404.2, QST A 405, QST A 406. Practice teaching in an elementary or early childhood classroom under faculty supervision. Each student will have three college supervisors in this practice teaching experience. The three college experience supervisors will be the instructors of QST A 406, QST B 403, and QST A 404.1, .2, or .3.

QST A 410 Reading in the Elementary School II 2 hrs, 2 cr. Prereq: QST A 407. Coreq: QST A 411, QST A 412, QST B 413, QST A 414, QST A 415, QST B 416. Applications to the classroom of the concepts, methods, and resources used to teach reading to children, nursery through grade 6.

QST A 411 Field Experiences in Elementary School Reading II 2 hrs, 1 cr. Prereq: QST A 407. Coreq: QST A 410, QST A 412, QST B 413, QST A 414, QST A 415, QST B 416. Supervised experiences in practical applications of the content of QST A 410.

QST A 412 Teaching Social Studies and Language Arts in Early Childhood and Elementary Schools 2 hrs, 2 cr. Prereq: QST A 407. Coreq:

QST A 410, QST A 411, QST B 413, QST A 414, QST A 415, QST B 416. Methods of teaching Social Studies and Language Arts to children in grades nursery through six. Curriculum materials and organization, strategies for teaching skills and providing activities.

QST A 414 Teaching Science in Early Childhood and Elementary Schools 2 hrs, 2 cr. Prereq: QST A 407, completion of 6 credits of laboratory science. Coreq: QST A 410, QST A 411, QST A 412, QST B 413, QST A 415, QST B 416. Methods of teaching science to children in grades nursery through six. Curriculum materials and organization, strategies for teaching skills and providing activities.

QST A 415 On-site Professional Experience-Practice Teaching II 12 hrs, 3 cr. Prereq: QST A 407. Coreq: QST A 410, QST A 411, QST A 412, QST B 413, QST A 414, QST B 416. Practice teaching in an elementary or early childhood classroom under faculty supervision. Each student will have three college supervisors in this practice teaching experience. The three college experience supervisors will be the instructors of QST A 414, QST B 413, and QST A 412.

Health and Physical Education

(For faculty see page 71)

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 one-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 pages 82-83.

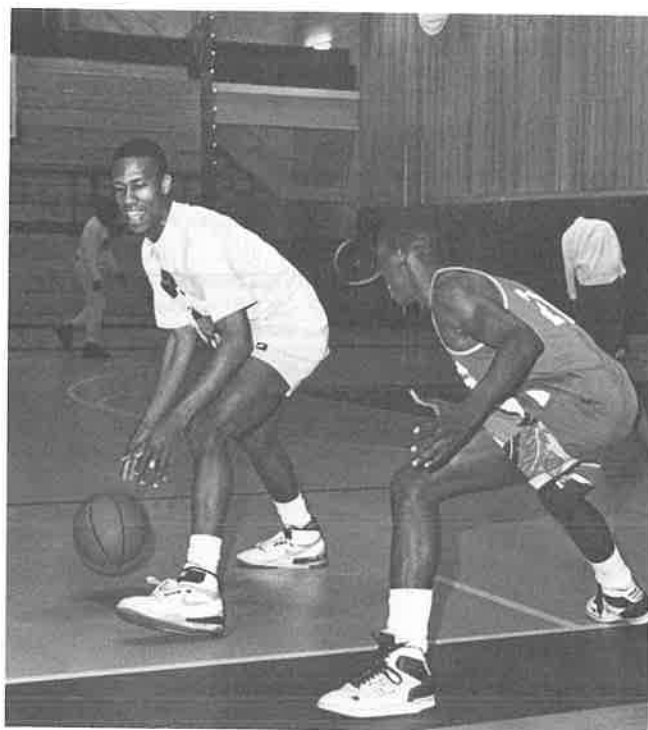
Major Students who wish to major in physical education or health education will find the specific requirements listed under each degree. Students should report immediately to the department for an advisor.

Minor Students who wish to minor in physical education should meet with a 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.

HEALTH EDUCATION—BS

Coordinator Mary Lefkarites West Building room 1130, phone 772-4670

Health Education Major The undergraduate program 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 for Major

Distribution requirement (41–55 cr)
Education sequence (20–21 cr)
Required major courses (31 cr)
Selective required courses (5 cr)
Minor (12 cr)
Electives (5–19 cr)

Required Major Courses (31 cr)

NFS 141 Nutrition I
HED 100 Contemporary Health Concepts
HED 200 Public Health or COMHE 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 201 Women and Health
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 201 Women and Health 3 hrs, 3 cr. An exploration of contemporary health issues of women, particularly as these issues relate to the development of modern medical practices and the socialization of women.

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 Affective 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 314 Health Education of Children 3 hrs, 3 cr. Prereq: ENGL 120. Preparation of the elementary educator to assist school children in making decisions for optimum health and human functioning. Emphasis on alcohol, drugs, tobacco, family living & sex education, AIDS, nutrition & safety.

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 dept chair. 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.

PHYSICAL EDUCATION—BS, BA

The department offers 3 physical education degree 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

Coordinator Thomas Burke West Building room 1128, phone 772-4634

Core Courses (27 cr) PEDCO 250, 251, 349, 350, 351, 352, 353, 383, 450

Activity Leadership (18 cr) PEDCO 130 or 135, PEDCO 145, PEDM 120 or PEDCO 148 (from general education offerings) and PEDCO 210, 212, 213, 221, 225, PEDM 120 or PEDCO 148, PEDM 220 or PEDW 220, PEDCO 398 and 399. 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. To qualify for EDUC 376 majors must have a GPA of at least 2.8 in major courses and an overall GPA of at least 2.5.

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

Coordinator Thomas Burke West Building room 1128, phone 772-4634

Core Courses (24 cr) PEDCO 250, 251, 349, 350, 351, 352, 353, 450

Activity Leadership (14 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 for 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, 381, SOC 270 or 325, 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

Health

HED 100, 200, 305, and 306

Note: All physical education majors must earn a grade of C or better in each theory course or repeat the course, and must maintain a B or better average in activity leadership courses.

BA in Human Movement Studies

Coordinator Susan Higgins West Building room 1120, phone 772-4640

This course of study (31 cr multidisciplinary major, 12 cr minor) 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).

Courses Required for Major (31 cr) MVMT 200, PEDCO 349, 350, 351, 352, 353, COMM 325, MVMT 450, MVMT 460, and with approval from advisor, 3 cr from either PSYCH 250 or BIOL 370 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. Physiological and neuromuscular mechanisms in exercise.

PEDCO 353 Biomechanics 3 hrs, 3 cr. Prereq: PEDCO 250 and ENGL 120. Application of mechanical principles to the analysis of human movement.

PEDCO 383 Adapted Physical Education 3 hrs, 3 cr. Background, objectives, and specific curriculum features of physical education and recreation programs for handicapped child.

PEDCO 398 Practicum in Elementary Physical Education 2 hrs, 2 cr. Prereq: 12 cr in major. Field observation and learning of elementary school physical education programs.

PEDCO 399 Practicum in Secondary Physical Education 2 hrs, 2 cr. Field observation and learning of secondary school physical education programs.

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 programs.

MVMT 200 Introduction to Microcomputing in the Movement Sciences 2 hrs, 2 cr. Prereq: ENGL 120. Microcomputer applications in movement science research. MS DOS, Word Processing, BASIC programming and menu driven applications are introduced.

MVMT 450 Observation and Analysis of Human Movement 4 hrs, 3 cr. Prereq: PEDCO 353. 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: MVMT 450 and 6 cr of 300-level courses or perm instr. Readings and discussions on selected topics or problem areas 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 380 Foundations of Physical Fitness 3 hrs, 3 cr. Principles and methods of developing physical fitness programs.

PEDCO 381 Care and Prevention of Athletic Injuries 3 hrs, 3 cr. Nature, care, and prevention of athletic injuries.

PEDCO 451 Workshop in Physical Education 1–3 hrs, 1–3 cr. Prereq: 12 cr in the major or perm instr. 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 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

PEDM 220 Gymnastics for Men 2 hrs, 1 cr

PEDW 220 Gymnastics for Women 2 hrs, 1 cr

EDUC 315 Physical Education in the Elementary School 3 hrs, 2 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

PEDW 211 Softball 2 hrs, 1 cr

GENERAL PHYSICAL EDUCATION

The physical activities curriculum is divided into 3 coded groupings: PEDW, courses for women; PEDM, courses for men; PEDCO, co-educational 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 300 Advanced Life Saving 2 hrs, 1 cr. Prereq: PEDCO 201 or perm instr
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

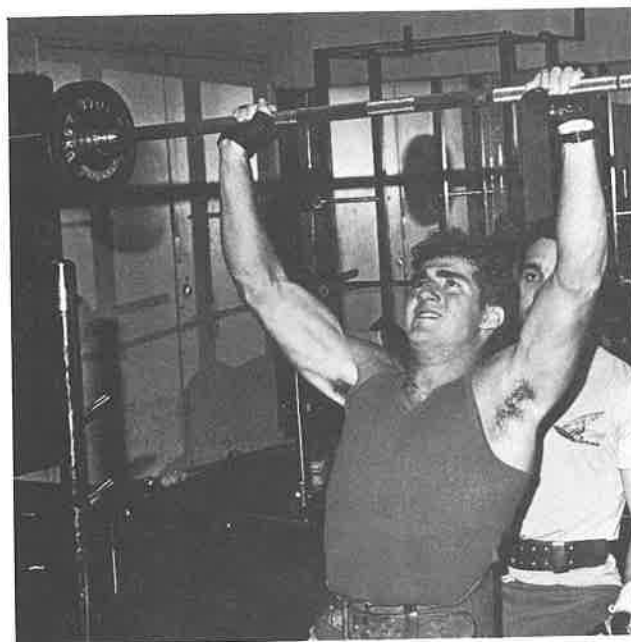
- PEDCO 144** Aerobics 2 hrs, 1 cr
PEDCO 145 Fitness and Weight Control 2 hrs, 1 cr
PEDCO 146 Individual Physical Education 2 hrs, 1 cr. For students needing modified programs.
PEDCO 147 Weight Lifting and Weight Training 2 hrs, 1 cr
PEDCO 148 Yoga 2 hrs, 1 cr

Individual and Dual Sports

- PEDCO 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
PEDW 166 Women's Gymnastics 2 hrs, 1 cr

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

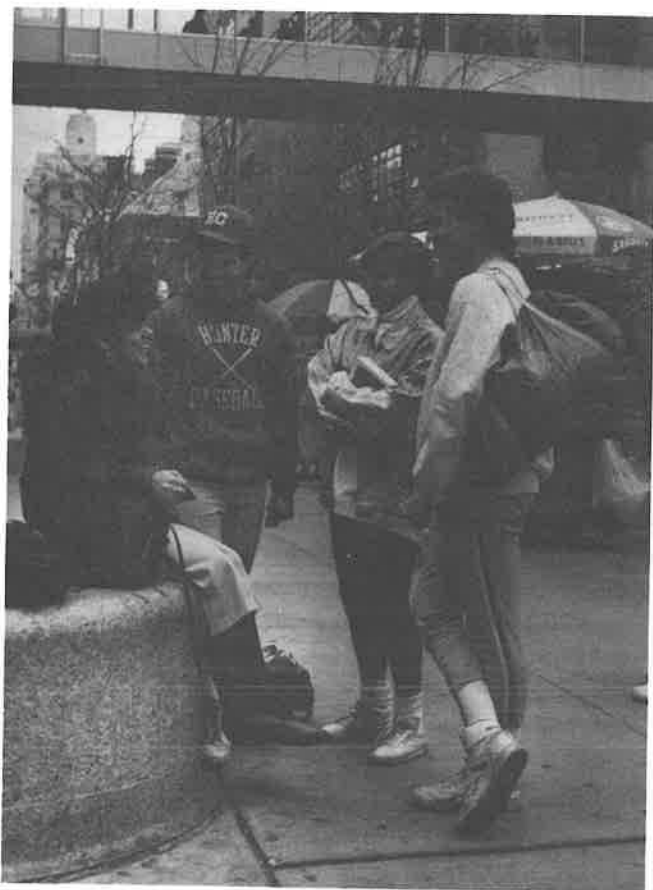
Coordinating Committee Erickson (Political Science), Greenberg (History), Johnston (Urban Affairs), Landesman (Philosophy), Niman (Curriculum and Teaching), Poppendieck (Sociology), Goldsmith (Geology and Geography), Randall (Economics), Shahn (Biological Sciences), Shay (Mathematics)

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.



Course Access Codes Students must fulfill developmental course requirements before taking many introductory and most advanced courses at Hunter College. The DR code applies for all EPS courses. To determine access codes for other courses listed here consult the relevant departmental listings.

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).

COURSE LISTINGS

Note: Before reading the course descriptions that follow, please refer to the paragraph on course access codes (e.g., DX, DW) in this section.

EPS 101 The Human Uses of Energy 3 hrs, 3 cr. Offered D/Fa. Principles of energy; energy and social change in agricultural and industrial societies; historical and contemporary problems.

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 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.

Courses that Qualify for the Major:

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

ENG 250.66-51 From Utopia to Apocalypse

GEOL 105 Save the Planet: Introduction to Environmental Geoscience
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
HIST 774.52 The Corporation in American Society
HIST 774.75 Technology and Social Change

MEDIA 399.61 Mass Media and Nuclear Power

PHILO 378.52 Questions of War and Peace

POLSC 272 Politics of Nuclear Power
POLSC 273.53 US-Soviet Relations and the Nuclear Arms Race

SCI 101 Foundations of Science
SCI 102 Foundations of Science

SOC 235 Community Organization and Action
SOC 325.85 Sociological Perspectives on Food and Hunger
SOC 421.7 Power Struggles: Citizen Organizations and Social Issues in Energy

URBS 401 Managing the Urban Physical Environment
URBP 723 Introduction to Urban Design
URBP 725 Infrastructure and Site Planning
URBP 726 Site Planning Workshop
URBP 734 Environmental Planning
URBP 736 Energy Planning and Policy Seminar

And any other new or selected-topic courses approved by the Energy Policy Studies program director.

Refer to the graduate catalogue for descriptions of 700-level courses.

English

Department Office West Building room 1212, phone 772-5070

Chair Allan Brick

Professors Benardete, Danziger, Dean, DeSalvo, Gordon, Holder, Holm, Kurer, Lorde, Moe, Pinciss, Quinn, Raimes, Root, Williams

Associate Professors Alexander, Barickman, Bornhauser, Brick, Brinberg, Brodtkorb, Edwards, Greenberg, Minkoff, Persky, Potter, Rahn

Assistant Professors Brett, Johnson, Leoff, Majozo, Melamed, Parry, Tolchin, Winn

Lecturers Meyers, Roshkow

Advisors (day) Meena Alexander, Louise DeSalvo (evening) Richard Brett

The English Department offers students a variety of courses in literature and a series of workshops in writing fiction, poetry, and essays. Taught from a number of points of view—historical, philosophical, ethical, psychological, sociological—they deepen students' insight into the nature and value of human experience and at the same time prepare them for almost any profession in which writing and self-expression are essential. The department encourages disciplined, original thinking and writing, while its small classes promote learning through stimulating discussions.

Introductory and intermediate courses present a wide range of literary forms, periods, and genres. Students who major in English may concentrate on British literature, American literature, writing, or a combined major/minor designed for prospective high school teachers. 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.

Course Access Codes Students must fulfill developmental course requirements before taking many introductory and most advanced courses at Hunter College. Codes DX and DW apply to all English courses from ENGL 120 to ENGL 498. For an explanation of the codes see pages 26-27 in this catalogue.

Distribution Requirement ENGL 220 is prerequisite to all other English Department courses in 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. (Students who have fulfilled Part 1 of Category IV with BLPR 235, 236, or 237 may use ENGL 220 to fulfill Part 2.) 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 in literature.

Major The English Department offers 4 areas of concentration within the major: 2 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 27-30 credits. Students who plan to major or minor 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 2 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, Black and Puerto Rican Studies, classics, communications, comparative literature, foreign languages, history, music, philosophy, religion, theatre and film, and women's studies.

I. Concentration in British Literature

This program gives a thorough grounding in British literature and allows considerable choice among specific courses. Students may include courses in comparative literature, writing, or other areas of special interest. The 24 credits required for this concentration 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 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 2 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

The courses in American literature reflect the diversity of American culture. Students also study major British authors who have influenced American literature.

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. (or HUM 380 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 and Puerto Rican Studies (literature courses), foreign languages (advanced literature courses or literature in translation) 9 cr.

Departmental Honors Two related requirements must be met by a student in order to qualify for departmental honors: the Honors Seminar (ENGL 494) and the honors essay. The honors essay will normally be written in relation to the Honors Seminar and under the supervision of the professor teaching that seminar. A student who completes these requirements 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 Honors Seminar requirement (ENGL 494) is in addition to the specified courses in the student's particular major concentration. Students interested in departmental honors should see the undergraduate advisor.

Minor Twelve 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 2 100-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

Note: Before reading the course descriptions that follow, please refer to the paragraph on course access codes (e.g., DX, DW) in this section.

Developmental Courses

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.

Literature: Introductory and Intermediate Courses

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 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 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 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 instr. 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 instr. Advanced theory and practice of writing poetry.

Language and Literature: Advanced Courses

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 linguistics.

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. Prereq: 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. Prereq: ENGL 395 or 396. Authors or topics vary from semester to semester.

ENGL 482 Special Studies Seminar 1 hr, 1 cr.

ENGL 483 Special Studies Seminar 2 hrs, 2 cr.

ENGL 484 Special Studies Seminar 3 hrs, 3 cr. Perm instr. Topics in British and American literature or linguistics.

ENGL 485 Individual Tutorial Project* 1 sem., 3 cr. Prereq: 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. Prereq: perm dept and instr. Topics in British and American literature and linguistics. May be taken a second time in another subject.

ENGL 498 Inservice 1–6 hrs, 1 cr for each hr. Prereq: 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 program 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 concerns as second-language learning, dialect variations, and beginning reading instruction.

Course Access Codes Students must fulfill developmental course requirements before taking many introductory and most advanced courses at Hunter College. Check department listings for courses that make up the English Language Arts major. For an explanation of the codes see pages 26-27 in this catalogue.

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)

Note: Before reading the course descriptions that follow, please refer to the paragraph on course access codes (e.g., DX, DW) in this section.

Language (6-9 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 352 Language in Society
COMM 215 Phonetics
COMM 326 Semantics
EDUC 356 Language and Learning

or an approved equivalent.

Spoken Arts (6 cr)

2 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
COMM 340 Family Communication

or approved equivalents.

Writing (3-6 cr)

ENGL 201 Intermediate Expository Writing
ENGL 218 Advanced Expository Writing
ENGL 301 Theory and Practice of 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 (6-9 cr)

Required:

ENGL 253 or 254 Survey of English Literature I or II
or any 300-level course in American or British literature.
ENGL 352 Shakespeare Survey (or 353 or 354)

Elective (3 cr)

An additional course in language or writing or a 300-level course in literature approved by the English Language Arts Program 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 Jeffrey P. Osleeb

GEOLOGY

Professor Rodriguez

Associate Professors Crane, Liebling, Scherp

GEOGRAPHY

University Professor S.B. Cohen

Professors Goldsmith, Heatwole, Osleeb

Associate Professors Clarke, McLafferty, White

Assistant Professor Ahearn

Advisors See 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 for both 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.

Course Access Codes Students must fulfill developmental course requirements before taking many introductory and most advanced courses at Hunter College. Codes DX and DP apply to all courses in the Department of Geology and Geography; in addition, code DW applies to all 300- and 400-level courses in the department. For an explanation of the codes see pages 26-27 in this catalogue.

Distribution Requirement GEOL 101 and 102 and PGEOG 130 may be used to fulfill the science and mathematical sciences (Category I) requirement. GEOG 101, 221, 226 may be used to fulfill the social sciences requirement (Category VI), as may GEOG 251 or 260 (but not both). 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.

PROGRAM IN 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 (30.5 cr) The geology major consists of 30.5 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.

Minors Geology majors may minor in anthropology, art, biology, chemistry, computer science, education, geography, mathematics, physics, or statistics. No more than 6 of the 12 credits needed for a minor may be applied to the distribution requirement. For information on approved courses in the minor, students should consult a departmental advisor.

Honors Work and Individual Study To be graduated with departmental honors, a major in the geology program must be admitted to GEOL 490 and have a 3.0 cumulative GPA and a 3.5 GPA in the major. GEOL 391, 392, and 393 also offer students the opportunity of undertaking individual research in geology.

PROGRAM IN 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 (30.5 cr) The geography major consists of a minimum of 30.5 credits, as follows: 18.5 cr in GEOG 101, GEOG 221, GEOG 251; PGEOG 130 and GEOL 101; 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 Geography majors may minor in a wide variety of fields but must secure permission from their major advisor. No more than 6 of the 12 credits needed for a minor may be applied to the distribution requirement. For information concerning approved courses in the minor, students should consult a departmental advisor.

Honors Work and Individual Study To be graduated with departmental honors, a major in the geography program must be admitted to GEOG 490 and have a 3.0 cumulative GPA and a 3.5 GPA in the major. GEOG 391, 392, and 393 also offer students the opportunity of undertaking individual research in geography.

Latin American and Caribbean Studies Program The department participates in the interdepartmental program in Latin American and Caribbean Studies. 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, GTECH 360.

GENERAL INFORMATION FOR BOTH PROGRAMS

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 weekends (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 Graduate-level courses may be taken for credit toward the bachelor's degree by highly qualified seniors. Written permission must be obtained from the department chair.

Inservice Program This program (GEOL 498, GEOG 498) provides opportunities for qualified majors in both geology and geography to work in positions of responsibility in professional institutions while earning from 1 to 4 academic credits. See a departmental advisor for details.

PREPARATION FOR TEACHING

In cooperation with the Division of Programs in Education, the department provides opportunities for students to prepare for teaching earth science, general science, and social studies in secondary and elementary schools. Students who want to meet the certification requirements for teaching in the public secondary and elementary schools in the State of New York should consult the Education section of 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 111, 112, 113, 103 and 105; PHYS 110 or 111 and 120 or 121; ASTRO 100; 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).

COURSE LISTINGS

Note: Before reading the course descriptions that follow, please refer to the paragraph on course access codes (e.g., DX, DW) in this section.

Field work requiring a transportation fee may be required in any course.

Geology

GEOL 101 Fundamentals of Geology 6 hrs (3 lec, 3 lab), 4.5 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. Field trips may be required; transportation fee.

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 105 Save the Planet 3 hrs, 3 cr. Preq. ENG 120. Offered D/Fa. Introduction to environmental geoscience focusing on aspects of global change. Review of the evolution of the earth from its origins to potential future developments; environmental problems and issues.

GEOL 154 Gems and Semi-Precious Stones 2 hrs, 2 cr. Offered D/Fa. 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/Sp. 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 D/Fa. 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 instr. Offered intersession June or Aug.; check with Dept. in Apr. Field study of geologic features. Identification of rocks, minerals, fossils, geologic structures, and land forms. Brunton compass. Structure sections from field data. Students may register for each different itinerary. 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 weekends. 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 instr. Offered Fa '91. 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 '92. 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 on demand. 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. 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 Vertebrate Paleontology 3 hrs, 3 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 instr. Offered E/Fa '90; D/Fa '91. 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 '91; E/Sp '92. Architecture of earth. Crustal movements and their causes. Local and regional analysis of force pattern. Geologic maps; cross sections; fieldwork.

GEOL 280 Marine Geology 5 hrs (3 lec, 2 lab), 4 cr. Prereq: GEOL 102 or perm instr. Offered D/Fa '90; D/Sp '92. 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, PGEOG 130, or perm instr. (Credit may be earned for either GEOL or PGEOG 332, but not both.) Offered on demand. 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 instr. Offered D/Sp '90; E/Sp '92. 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 '91; D/Sp '92. 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 on demand. 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 on demand. 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 instr. Offered D/Fa '90. 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 366 Geophysics 5 hrs (3 lec, 2 lab), 4 cr. Prereq: GEOL 262 and PHYS 120 or 121 and MATH 150 or perm instr. Offered D/Fa '90. Application of seismic, gravity, magnetic, and electrical methods to study of subsurface geology. Data collection, reduction, and interpretation.

GEOL 368 Geochemistry 5 hrs (3 lec, 2 lab), 4 cr. Prereq: GEOL 252 or perm instr. Offered on demand. 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/Fa '91. 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 undergraduate advisor.

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. Offered on demand. Nature and distribution of soils and their vegetation cover. Soil characteristics, formation, classification; plant ecology. Interrelationships. Impact on people.

PGEOG 232 Coastal Geomorphology 3 hrs, 3 cr. Prereq: GEOL 101 or perm instr. Offered E/Fa '90, D/Fa '91. A study of the basic processes shaping the coast and the resulting forms; surficial morphology and internal geometry of such forms as cliffs, dunes, beaches, and nearshore bars. Map exercise and 2 one-day field trips.

PGEOG 332 Hydrology 3 hrs, 3 cr. Prereq: GEOL 101, PGEOG 130, or perm instr. (Credit may be earned for either PGEOG or GEOL 332 but not both.) Offered on demand. Examination of the storage and flux of water on and near the earth's surface; problems of water supply, quality, and management.

PGEOG 333 Coasts of the World 3 hrs, 3 cr. Prereq or coreq: PGEOG 232 or perm instr. Offered D/Sp '91. Applications of the principles of coastal geomorphology to specific coastal areas. Emphasis on a variety of settings including the coasts of the US, Mediterranean, Africa, and China.

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, 3 cr. Offered D/Fa. Theory and techniques of map use, involving coordinate systems, symbols, features, and their interpretation from standard map products. One all-day field exercise (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. Offered E/Fa. 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 '91. 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 180. Offered E/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: at least 1 of the following: GTECH 221, PGEOG 212, GEOG 221, GEOG 251, GEOL 205, GEOL 220, GEOL 231, GEOL 233, or perm instr. Offered D/Fa '90, E/Fa '91. 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 321 or perm instr. Offered E/Sp '91. 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 (1 day lab and 10 days fieldwork), 3 cr. Prereq: GTECH 120 or 180 and perm instr. Offered summer intersession; check with Dept. in Apr. 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 360 Introduction to Geographic Information Systems 3 hrs, 3 cr. Prereq: GEOG 101 or PGEOG 130 and Jr/Sr standing. Offered E/Fa. Introduction to theoretical and practical aspects of geographic information systems (GIS) by an examination of the limitations and strengths of specific GIS applications. Significance of remotely sensed and digital cartographic data within GISs and their use to solve geographic problems.

GTECH 380 Analytical and Computer Cartography 5 hrs (1 lec, 4 lab), 3 cr. Prereq: GTECH 120 and 180 or perm instr. 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 322 and MATH 150 or perm instr. 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 (1 evening lab and 10 days fieldwork), 3 cr. Prereq: GEOG 101 or equiv and perm instr. Offered intersession June or Aug; check with Dept. in Apr. 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 weekends. 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 instr. Not open to freshmen. Offered D/Fa '90; E/Fa '91. 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 D/Fa '91. 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 D/Sp. 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 instr. Offered on demand. Geographic aspects of world population problems. Population patterns, movements, and growth in relation to resource bases. Interpretation and analysis techniques.

GEOG 242 Medical Geography 3 hrs., 3 cr. Prereq: GEOG 101 or perm instr. Offered D/Sp. '91. An examination of the geographic distribution of health and disease, the spread of disease through space and time, and the spatial organization of health services.

GEOG 251 Geography of the United States and Canada 3 hrs, 3 cr. Prereq: GEOG 101 or perm instr. Offered D/Sp. 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 instr. Offered D on demand. Analysis of relationship of natural environment to economy and settlement pattern of the state. Land use, environmental problems.

GEOG 270 Regional Geography of Middle America 3 hrs, 3 cr. Offered D/Fa '91. 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 D/Fa '90. 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 D/Fa '90, Sp '92. 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 on demand. 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 '91. 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 instr; Jr/Sr only. Offered E/Sp '91. 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 instr; Jr/Sr only. Offered D/Fa '90. 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 instr. 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 instr. 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 instr; 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 instr; 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 instr; 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 undergraduate advisor.

German

Department Office West Building room 1405, phone 772-4980

Chair K.E. Kuhn-Osius

Professors Hoffmann, James

Associate Professors Kuhn-Osius, Sullivan

Assistant Professor Kym

Advisor (day and evening) A. Kym

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.

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.

Course Access Codes Students must fulfill developmental course requirements before taking many introductory and most advanced courses at Hunter College. Codes DX and DW apply to GERMN 240, 350-379, and 479. For an explanation of the codes see pages 26-27 in this catalogue.

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 section on distribution requirement, pages 22-24).

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 (Category IV, Part 2) may be met in part by taking 3 credits in a literature course taught in German or in English translation.

Humanities Requirement

The distribution requirement in humanities and the arts (Category V, Group 3) 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:

Advanced courses in language, level I: German 301, 302, 312, 313
Advanced courses in literature, level I: GERMN 320, 321, 322, 324, 326, 329

Advanced courses in literature, level II: GERMN 331, 332, 334, 335, 336, 338, 342

Advanced courses in language, level II: GERMN 381, 383

Special projects: GERMN 444, 491, 492, 493, 498

At least 12 credits must be earned by taking classes numbered between 320 and 350. At least 3 of these 12 credits must be from classes numbered between 330 and 350.

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 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

Note: Before reading the course descriptions that follow, please refer to the paragraph on course access codes (e.g., DX, DW) in this section.

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 102 Elementary German II 3 hrs, 3 cr. Prereq: GERMN 101 or equiv. Continued practice in speaking, reading, writing, and comprehending German.

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. Practice in comprehending and communicating in German at the intermediate level. Review of basic structures and study of advanced grammar topics.

GERMN 201.50 Intermediate German Workshop I 1 hr, 1 cr. Coreq: GERMN 201. Additional practice in spoken and written German. Intended to improve the speaking skill of students taking GERMN 201.

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 202.50 Intermediate German Workshop II 2 hrs, 2 cr. Coreq: GERMN 202. Intermediate conversation course open to students enrolled in GERMN 202. Conversation on topics from everyday life in modern Germany.

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 Advanced German Comprehension and Conversation 3 hrs, 3 cr. Prereq: GERMN 202 or equiv. Intensive practice in reading and listening to German texts and in conversational German; some essay writing.

GERMN 302 Advanced German Conversation and Composition 3 hrs, 3 cr. Prereq: GERMN 202 or equiv. Intensive practice in speaking and writing German.

GERMN 312 Introduction to Business German 3 hrs, 3 cr. Prereq: GERMN 301 or perm instr. 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 instr. 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 320 Studies in German Literature and Language 3 hrs, 3 cr. Prereq: GERMN 202 or equiv. Discussion of literary topics or linguistic phenomenon.

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 322 German Civilization 3 hrs, 3 cr. Prereq: GERMN 202 or equiv. Introduction to key topics in German history, politics, arts, literature, and sciences.

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 329 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 331 German Drama from Age of Goethe to Naturalism 3 hrs, 3 cr. Prereq: 1 course numbered from GERMN 320 to 349 or equiv. Discussion of dramas by such writers as Goethe, Schiller, Kleist, Büchner, Grillparzer, and Hebbel.

GERMN 332 The German Novel 3 hrs, 3 cr. Prereq: 1 course numbered from GERMN 320 to 349 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: 1 course numbered from GERMN 320 to 349 or equiv. Discussion of selected works by Lessing, Goethe, and Schiller.

GERMN 335 Literature of Weimar Republic 3 hrs, 3 cr. Prereq: 1 course numbered from GERMN 320 to 349 or equiv. Discussion of literary works and documents influential in German life between 1918 and 1933.

GERMN 336 Goethe's *Faust* 3 hrs, 3 cr. Prereq: 1 course numbered from GERMN 320 to 349 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: 1 course numbered from GERMN 320 to 349 or equiv. Survey of German literature from the *Hildebrandslied* to 18th century.

GERMN 342 German Literary Seminar 3 hrs, 3 cr. Prereq: 1 course numbered from GERMN 320 to 349 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 381 The German Press of Today: Reading and Understanding Newspapers and Magazines 3 hrs, 3 cr. Prereq: 2 courses numbered GERMN 300 or above or equiv (excluding courses in English translation). Reading and discussion of present-day German newspapers and magazines.

GERMN 383 German Grammar for Upper-Level Discourse 3 hrs, 3 cr. Prereq: 3 courses above GERMN 300 or equiv. Study of German grammar from basic to complex structures. Intensive practice in control of grammatical forms at high levels of spoken and written discourse.

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 Büchner 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 *Duino 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 372 Germany in the Twenties 3 hrs, 3 cr. Literature, art, and politics in Germany between World War I and Third Reich, 1918–1933.

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 379/479 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.

Courses not offered in 1990-92:

GERMN 106 German through Lieder

GERMN 111 Elementary German for Reading Purposes

GERMN 112 Intermediate German for Reading Purposes

GERMN 352 Gottfried von Strassburg

GERMN 354 Wolfram von Eschenbach: *Parzival*

GERMN 364 Rainer Maria Rilke's *Duino Elegies*

GERMN 374 Masterpieces of German Literature in English Translation

Health Sciences

425 East 25th St, New York City, NY 10010

Dean Everlena M. Holmes

Associate Dean Annette B. Ramirez de Arellano

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 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, a cafeteria, and an on-site dormitory.

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.

The School offers 4 upper-division programs leading to bachelor degrees:

BS Community Health Education

BS Medical Laboratory Sciences

BS Nutrition and Food Science

BS Physical Therapy

Electives may be taken in the following graduate programs with permission of the instructor:

MS Communication Sciences

MS Environmental and Occupational Health Science

Communication sciences is not offered at the undergraduate level. The communication sciences program offers a pre-professional curriculum in audiology and speech-language pathology on the 600 level. These 600-level courses are listed in the Graduate Catalogue. Students considering electives in this area should call 481-4464.

The undergraduate program in environmental health science has been suspended. New students are no longer being admitted; current students will be able to complete the program. For further information call 481-5119.

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 the physical therapy program must complete a minimum of 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 1 for the fall semester and by December 1 for the spring semester. Applications are accepted after these deadlines on a space-available basis.

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. 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 pages 22-24 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 most courses offered at the School of Health Sciences. Permit forms are authorized by program advisors during the 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. Permission not required.

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. Not offered 1990-91.

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 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 instr. 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.

COMMUNITY HEALTH EDUCATION – BS

Program Director Stephen Zoloth, Brookdale Center room W1005, phone 481-5111

Professors Carrera, Freudenberg, Holmes, Zoloth

Associate Professors Ramirez de Arellano, Susser

Assistant Professor Auerbach

Instructor Richie

Advisor Marilyn Auerbach, Brookdale Center room W1016, phone 481-7555

Community health educators assist individuals and communities to choose more healthful behaviors and lifestyles and to work for healthier environments. They are employed by health centers,

government agencies, hospitals, community organizations and workplace health programs.

Community health educators learn how to assess health needs, attitudes, knowledge and beliefs and how to mobilize communities around health issues. Problems commonly addressed by health educators include teenage pregnancy, AIDS prevention, heart disease, aging, cancer and child health.

The program emphasizes urban health concerns and prepares students to work in New York City and other metropolitan regions. Internships provide students with an opportunity to practice skills prior to graduation.

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 (8 cr) SHS 310, 340, 420

Specialization

- Required (38 cr) COMHE 301, 302, 303, 325, 330, 401, 402, 403, 405, NFS 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, COMHE 400
- Free electives (24–26 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.

COMHE 303 Principles of Health Education Practice II 3 hrs, 3 cr. Prereq: COMSC 302. Leadership skills related to work with health consumers, interviewing techniques, group dynamics, and public speaking.

COMHE 321 Addictions and Dependencies 3 hrs, 3 cr. Recent research on alcohol, narcotics and other chemical dependencies. Strategies for intervention, prevention, and treatment, with emphasis on role of health education.

COMHE 322 Maternal and Child Health 3 hrs, 3 cr. Social, behavioral, and medical factors involved in contraception counseling, abortion and sterilization, prenatal care, childbirth, child health, parenting, and prevention of family violence. Effect of public, social welfare, and public health policy on women and children.

COMHE 323 Health Aspects of Aging 3 hrs, 3 cr. Demography and epidemiology of the aging population. Public health policy and recent legislation affecting the aged. Economic, social, and cultural factors that affect agencies, services, and health education programs serving the aged.

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 325 Environmental Public Health Problems 3 hrs, 3 cr. Impact of environmental problems associated with urbanization—e.g., water quality, air and noise pollution, waste disposal and radiation hazards.

COMHE 330 Principles of Epidemiology 3 hrs, 3 cr. Methods of study of disease; risk factors; distribution, causes, prevention, and control of selected diseases.

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. Spring 1991: An Interdisciplinary Perspective on AIDS/HIV for Health Care Professionals.

COMHE 401 Directed Fieldwork I 6 wks, 3 cr. Prereq: COMHE 301, 302, 303. 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 AND OCCUPATIONAL HEALTH SCIENCE

Program Director David Kotelchuck, Brookdale Center room W1028, phone 481-5119

Note: Admission of students to the undergraduate environmental health science program has been suspended. Students who are currently completing their undergraduate studies in environmental health science and those who are interested in preparing for admission to the graduate program in environmental and occupational health sciences should contact the program director.

MEDICAL LABORATORY SCIENCES—BS

Program Director Regina Linder, Brookdale Center room W729 phone 481-4442, 5114

Professor Oreskes

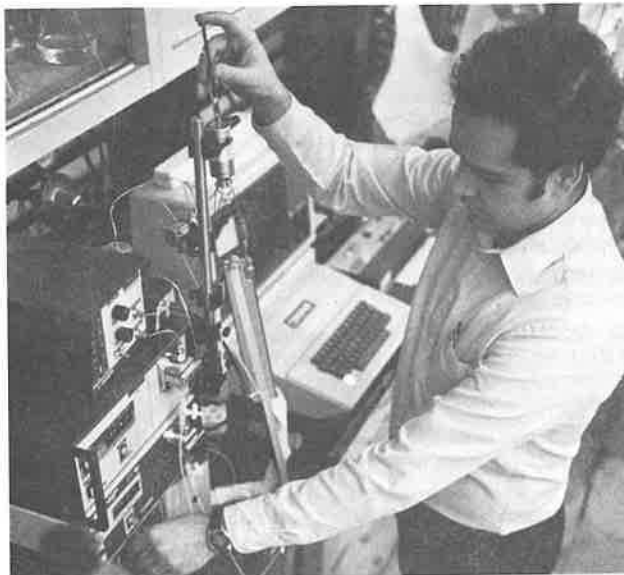
Associate Professors Linder, Naughton

Assistant Professor Johnston

Advisor Dean Johnston, Brookdale Center room W730, phone 481-4356

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 often depends 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. MLS 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 (30.5–31.5 cr) including BIOL 100, 102, CHEM 102, 103, 104, 105, (or 111, 112, 113, 103, 105), 222, 223, MATH 150 or STAT 113, PHYS 110, or equiv

Health Core (6–7 cr) SHS 320 and one of the following: SHS 300, COMHE 330, PHILO 250, 288, SOC 301

Specialization (33 cr) MLS 300, 347, 349, 351, 352, 353, 354, 355, 361, 420, 450, 457, 460

Electives (26.5–27.5 cr) Recommended: MLS 348, 400, 410, 454, 459, 480, 490, BIOL 204, 252, 276, 300, 306, CHEM 224, 225, 249, 352, MATH 155, STAT 113

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 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. 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, 102, CHEM 102, 103, 104, 105 or fac perm. Properties and mechanisms of pathogenesis of microorganisms 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: CHEM 102, 103, 104, 105; coreq: CHEM 222, PHYS 110 or equiv. Principles of instrumentation including study of photometrics, electroanalysis, particle counting, chemical analysers.

MLS 354 Clinical Biochemistry I 5 hrs, 3 cr. Prereq: MLS 353, CHEM 222. 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 361 Computers and Data Processing in the Medical Laboratory 3 hrs, 2 cr (1 lec, 2 lab). Prereq: MATH 150 or STAT 113; coreq: MLS 353. Study of computer integration in the medical and research lab, data compilation and evaluation methodologies, and quality control.

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: BIOL 100, 102, MLS 347, 349, 351, 352, 354. SHS 320 or equiv. 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; coreq: MLS 347, 352. 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, tissue, and ectoparasites of man.

MLS 457 Senior Seminar I 2 hrs, 2 cr. Oral presentations and a written research proposal introduce students to the use of the literature, research design, and effective scientific communication.

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 460 Immunology 5 hrs, 3 cr. Prereq: MLS 349, 351, 352, 354. Cellular reactions in immunology, structure of antibodies and antigens, and laboratory determination of immune functions.

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.

NUTRITION AND FOOD SCIENCE—BS

Program Director Barbara H. J. Gordon, Brookdale Center room W715 phone 481-7570

Associate Professor Gordon

Assistant Professors Blocker, Fishman, Navder

Instructor O'Brien

Advisors Deborah Blocker, Brookdale Center room W713, phone 481-7593

Barbara H.J. Gordon, Brookdale Center room W715

Karen O'Brien, Brookdale Center room W708, phone 481-7570

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.

* Total credits in independent study courses and honors may not exceed 6.

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. Employment opportunities exist in research facilities and business firms.

The dietetics option of the Nutrition and Food Science curriculum prepares students to meet the academic requirements set by the American Dietetic Association (ADA), (Plan IV or V). After graduation with the BS degree, students are eligible to become professionally qualified (registered) dietitians, only if they successfully complete either: 1. a Dietetic Internship or 2. an Approved Pre-professional Practice Program and then pass the ADA semiannual Registration Examination.

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; and two of the following three prerequisites: 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.

For more information on admissions to this program call 481-7563.

Requirements for Graduation in Nutrition and Food Science (128 cr)

Distribution Requirement (55 cr—foreign language not required)

Category I (21 cr) All majors must take CHEM 100, 101, 120, 121, BIOL 100, 102, STAT 113.

Category II (3 cr) ENGL 120.

Category III No foreign language is required.

Category IV (9 cr) Majors take a total of 9 cr (3 cr from #1, 3 cr from #2, and 3 cr from either #1 or #2).

Category V (9 cr) All majors must take COMM 160 plus 6 credits from humanities electives.

Category VI (12 cr) All majors must take PSYCH 100, SOC 101, ECO 100 or (with advisor's perm) 202, ANTHC 101.

Category VII (1 cr) Physical education 1 cr.

SPECIALIZATION

Dietetics Plan IV Core (48 cr) NFS 131, 141, 331, 333, 335, 341, 342, 343, 402, 435, 441, 442, 443; MLS 351, C SCI 120, BIOL 280

General (19 cr) NFS 332, 361, 434, 444, 445, SHS 310, ECO 271

Management (18 cr) NFS 361, SHS 310, ECO 260, 271, 345, 361

Clinical (13 cr) NFS 444, 445, SHS 310, COMHE 330 plus 3 cr rec. elec. in consultation with advisor

Community (18 cr) NFS 332, 361, 401, 434, SHS 310, COMHE 330

Business and Research Core (49 cr) NFS 131, 141, 331, 332, 333, 335, 341, 342, 361, 402, 431, 443, 444, 445, C SCI 120, MLS 351

Business (15 cr) NFS 401, SHS 310, ECO 271, 362, 365

Research (9 cr) NFS 480 or 490, SHS 320, COMHE 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 141. 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 131, 141, ECO 100 or 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, 141; 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 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 1 or 2 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. Proposal must be presented the semester before work is done.

PHYSICAL THERAPY—BS

Acting Director and Advisor Gary Krasilovsky, Brookdale Center room E004, phone 481-4469

Professor Cunningham

Associate Professor Rosen

Assistant Professor Krasilovsky

Instructor Baumstein

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 profession, through either volunteer work or paid employment. A personal interview is required. Applicants should contact the pro-

gram to arrange for an interview appointment by February 1. 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 normal and abnormal 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

COMMUNITY HEALTH EDUCATION

American Health Foundation
 American Red Cross
 Operation Baby Track
 Columbia Presbyterian Medical Center
 Young Adult Clinic
 Floating Hospital
 Gay Men's Health Crisis
 Education Department
 Health Action Resource Center
 Hunter College Community
 Environmental Health Center
 Long Island College Hospital
 Alcoholism Services
 Memorial-Sloan Kettering Hospital
 Office of Cancer Communications
 New York City Department of Aging
 Project Stay Well
 New York City Department of Health
 New York Hospital-Cornell Medical Center
 Corporate Care System

MEDICAL LABORATORY SCIENCES

Bellevue Hospital Center
 Booth Memorial Hospital
 Long Island College Hospital
 Maimonides Medical Center
 Memorial Sloan-Kettering Cancer Center
 Metropolitan Hospital Center
 Pathology Department
 Mt. Sinai Medical Center
 New York Hospital Cornell Medical Center
 NYU Medical Center

PHYSICAL THERAPY

Associated Therapies
 Barak, Tzvi
 (Eastside Orthopedics)
 Bayley Seton
 Bellevue Hospital
 Beth Israel Medical Center
 Bird S. Coler
 Blythedale Children's Hospital
 Booth Memorial Home Care
 Booth Memorial Hospital
 Bronx Municipal Hospital
 Brookdale Hospital—Rehabilitation
 Burke Rehabilitation Center
 Cabrini Medical Center
 The Center for Sports Medicine

Center for Multihandicapped Children
 Children's Specialized Hospital
 City Hospital Center at Elmhurst
 Columbia Presbyterian Medical Center
 Daughters of Jacob Nursing Home
 Doctors Hospital
 Downstate Medical Center
 Eastside Sports Medicine Center
 Garden State Rehabilitation Center
 Goldwater Memorial Hospital
 Good Samaritan Hospital
 Gouverneur Hospital
 Hackensack Hospital Home Care
 Hackensack Medical Center
 Hand Rehabilitation Unit
 Harlem Hospital
 Helen Hayes Hospital
 Holy Name Hospital
 Hospital for Joint Diseases
 Hospital for Special Surgery
 Interfaith Hospital
 International Center for the Disabled
 The Howard A. Rusk Institute of
 Rehabilitation Medicine
 Kateri Residence
 Kessler Institute for Rehabilitation
 Kings County Hospital
 Kingsbrook Jewish Medical Center
 La Guardia Hospital
 Lenox Hill Hospital
 Lincoln Hospital
 Long Beach Memorial Hospital
 Long Island College Hospital
 Long Island Jewish Medical Center
 Lubin Rehabilitation Center
 Lutheran Medical Center
 Madonna Residence
 Maimonides Medical Center
 Memorial Sloan-Kettering Cancer Center
 Methodist Hospital
 Metropolitan Hospital
 Montefiore Hospital
 Mount Sinai Medical Center
 Nassau County Medical Center
 New Rochelle Hospital
 New York Foundling Hospital
 New York Hospital
 New York Infirmary
 North Central Bronx Hospital
 North Shore Hospital
 Our Lady of Mercy Medical Center
 (Formerly Misericordia)

Pain Alleviation Center
 Parker Institute for Geriatric Care
 Peninsula General Hospital
 Queens Hospital
 Queens Orthopedic & Sports Therapy Association
 Robert Wood Johnson Rehabilitation Center
 Roosevelt Hospital
 Seaview Hospital and Home
 Southern Vermont Medical Center
 Sports & Physical Therapy Center
 Sports Medicine Performance & Research Center
 Sports Training Institute—NJ
 Sports Training Institute—NY
 St. Agnes Hospital
 St. Barnabas Hospital
 St. Charles Hospital
 St. John's Episcopal Hospital
 St. John's Hospital—Queens
 St. John's Riverside
 St. Joseph's Hospital
 St. Luke's Hospital
 St. Mary's Hospital—Brooklyn
 St. Mary's Hospital—Queens
 St. Vincent's Hospital—Manhattan
 St. Vincent's Medical Center of Richmond
 Staten Island Hospital
 Sullivan County Diagnostic Treatment Center
 Terence Cardinal Cooke Health Care Center
 United Cerebral Palsy of Greater Suffolk
 United Cerebral Palsy of Nassau
 United Cerebral Palsy of New York
 United Cerebral Palsy of Queens
 United Hospital—Portchester
 United Presbyterian Hospital
 Veterans Administration Hospital—Bronx
 Veterans Administration Hospital—Brooklyn
 Veterans Administration Hospital—New York
 Veterans Administration Hospital—Queens
 Westchester County Medical Center
 White Plains Medical Center
 Yonkers General Hospital

Hebrew

DIVISION OF CLASSICAL AND ORIENTAL STUDIES

Division Office West Building room 1321, phone 772-5122

Division Head Rivka Friedman

Professor Friedman

Associate Professor Lichtenstein

Advisors (day) Rivka Friedman (evening) Murray H. Lichtenstein

The Hebrew division of the Department of Classical and Oriental Studies 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 to 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, 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.

Course Access Codes Students must fulfill developmental course requirements before taking many introductory and most advanced courses at Hunter College. Codes DX and DL apply to HEBR 240-295; codes DX and DW apply to HEBR 340, 382-391. For an explanation of the codes see pages 26-27 in this catalogue.

Distribution Requirement Hebrew language courses may be taken to fulfill the foreign language requirement (Category III). Literature courses in Hebrew as well as in English translation may be taken to fulfill Part 2 of the literature requirement (Category IV). Courses in Hebraic culture conducted in English, HEBR 259, 288, 290, 292, 295, may be taken to fulfill the requirement for humanities and the arts (Category V, Group 3).

Placement and Exemption Students with background in the language should consult 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 The minor consists of 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 section of this catalogue. 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

Note: Before reading the course descriptions that follow, please refer to the paragraph on course access codes (e.g., DX, DW) in this section.

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: Hagiographa 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, Tschernichovsky, 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, Berdichevsky, 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. Shenhav, 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 240 Introduction to the Old Testament 3 hrs, 3 cr. Survey of the books of the Old Testament, their form, content, and cultural background. Introduction to the tools and methods of modern biblical criticism.

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 Aggada.

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 Mendele Mocher Seforim to present.

Courses not offered 1990-92:

HEBR 325 History of Modern Hebrew Literature

HEBR 389 Maimonides' Guide to the Perplexed

HEBR 391 Masterpieces of Yiddish Literature in Translation

History

Department Office West Building room 1512, phone 772-5480

Chair Naomi C. Miller

Professors Cohen, Greenberg, Harrison, Helly, McNamara, Miller, Oberling, Pike, Seltzer, Sinnigen, Siraisi, Welter

Associate Professors Luther, Turner

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.

Course Access Codes Students must fulfill developmental course requirements before taking many introductory and most advanced courses at Hunter College. Code DR applies to HIST 141.55 (Introduction to American History); for all other courses, codes DX, DW, DM, and DP apply. For an explanation of the codes see pages 26-27 in this catalogue.

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:

- 6-12 cr in basic courses from among Group 1, of which 3 cr will not be counted toward the major.
- at least 15 cr from courses numbered 300 or above, including a minimum of 3 cr in a seminar (HIST 382/492), or problems (HIST 383/483, 384/484, or 385/485), or individual tutorial (HIST 493).
- at least 6 cr in United States history and 6 cr in European history.
- HIST 291 (Introduction to Historical Study). This course 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 one or 2 fields of study, including interdisciplinary fields such as women's studies, Jewish social studies, energy policy studies, Latin American and Caribbean Studies, 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 will be counted in any single discipline. Courses should be selected with the student'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 are devoted to supervised reading, and graduate work begins in the junior year. Interested students should consult the program's advisor or department chair 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 courses (HIST 492, 493, 483, 484, 485) with a grade of B or better. Eligible students should apply for honors at the time they file for graduation. Applications are available from the department.

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 who want to do work in history as part of the interdepartmental fields of urban studies, Jewish social studies, women's studies, energy policy studies, or Latin American and Caribbean Studies should refer to departmental listings.

Major in History with Minor in International Affairs

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

Note: Before reading the course descriptions that follow, please refer to the paragraph on course access codes (e.g., DX, DW) in this section.

GROUP I. Introductory Courses

HIST 111 World History to 1500 3 hrs, 3 cr. The rise of civilizations; technological and intellectual breakthroughs; classical cultures and empires; inter-regional connections; the spread of civilization across the globe.

HIST 112 World History from 1500 to the Present 3 hrs, 3 cr. The European ascendancy and creation of a global network; impact of the democratic, industrial, and scientific revolutions; the spread of modern nationalism to non-European peoples.

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 United States from the Colonial Era to the Civil War 3 hrs, 3 cr. From European beginnings to Civil War.

HIST 152 The United States 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 legal 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 317 History of the American City 3 hrs, 3 cr. History of the American city from the Colonial era to the present; development of the city as physical environment, social experience, political entity, and cultural symbol.

HIST 318 History of the American Working Class 3 hrs, 3 cr. History of the American working class from the Colonial times to the present; changing work experience, community life, organizational efforts, and political activity of working people.

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 in 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 Modern Culture from the 18th to the 20th Centuries 3 hrs, 3 cr. From the Scientific Revolution and the Enlightenment to recent literature, art, religion, and science; European 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.

HIST 353 History of New York City 3 hrs, 3 cr. Urban development; emergence as the financial and cultural capital of the nation; ethnic and racial diversity; dynamics of economic and physical growth; problems of city politics.

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.

*Not offered to freshmen.

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. Prereq: perm chair.

HIST 493 Individual Tutorial Research Project 3 cr. Prereq: perm chair and instr. Research paper under individual supervision of faculty member.

HIST 498 Inservice Learning Program 1-6 cr. Prereq: perm chair. Work in professional institutions.

Courses not offered 1990-92:

HIST 315 Christianity in Modern Times

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 369 The History of the Black People in the United States

HIST 377 Japan to the 19th Century

HIST 379 History of Modern Japan

HIST 381 Modern Imperialism

HIST 382 Historical Studies Seminar

HIST 389 History of India

HIST 492 Honors Seminars in Historical Studies

Honors Program

Program Office West Building room 1423, phone 772-4127

Council on Honors Beaujour (Russian, chair), Grant (Biology), Griffel (Music), Lavalley (Chemistry, on leave), Novak (Psychology), Potter (English, co-chair), Press (Philosophy), Somerville (Political Science), Stapleford (Art), R. J. White (Classics)

Advisors (day and evening) Elizabeth Beaujour, John Potter, Robert White, Michael Griffel

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, interdisciplinary 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 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.

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.

*Not offered to freshmen.

The first-year colloquium, designed for students beginning the Honors Program, studies major works of literature, history, religion, philosophy, and science in their historical contexts and sequence.

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 101.03 Freshman Honors Colloquium 3 hrs, 3 cr. 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; Dante's World; 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 & Human Nature; Renaissance Cities; Arts and Letters in 4th Century; Politics of Southern Africa; Words and Music. May be taken more than once with different topics.

HONS 491 Advanced Interdisciplinary Studies 6 cr. Perm Council on Hons.

Interdisciplinary Courses

HUMANITIES AND THE ARTS

Interdisciplinary courses in humanities and the arts have been developed by 2 or more departments to consider subjects from several points of view. In addition to the courses listed below, other areas have been explored as special topics—for example, "Sur-realism in Art and Literature" and "Opera on the Stage." For further information about HUM 110, contact the Department of Philosophy. For further information about HUM 150-381, contact the Office of the Dean of Humanities and the Arts, West Building room 1410.

The distribution requirement for humanities and the arts (Category V) may be fulfilled by HUM 201 (Group 1) and HUM 110 (Group 2).

Course Access Codes Students must fulfill developmental course requirements before taking many introductory and most advanced courses at Hunter College. Codes DR and DY apply to HUM 110; codes DX and DW apply to HUM 201, 380, and 381; and codes that apply to special topics, HUM 150, 250, and 350, will be determined in accordance with the departments sponsoring the courses. For an explanation of the codes see pages 26-27 in this catalogue.

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 150 Introductory Topics in Humanities and the Arts 3-6 hrs, 3 cr. Prereq: in accordance with the departments sponsoring the course. Specific topics will be listed in the *Schedule of Classes* for a given semester.

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 250 Intermediate Topics in Humanities and the Arts 3-6 hrs, 3 cr. Prereq: in accordance with the departments sponsoring the course. Specific topics will be listed in the *Schedule of Classes* for a given semester.

HUM 350 Advanced Topics in Humanities and the Arts 3-6 hrs, 3 cr. Prereq: in accordance with the departments sponsoring the course. Specific topics will be listed in the *Schedule of Classes* for a given semester.

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.

SCIENCES AND MATHEMATICS

The following course has been developed by the Division of Sciences and Mathematics for non-majors to fulfill the laboratory science component of Category I of the distribution requirement. It is especially recommended for students intending to teach in elementary or secondary schools.

Course Access Codes Codes DM, DP, DX, and DW apply to SCI 101; SCI 101 is a prerequisite to SCI 102. For an explanation of the codes see pages 26-27 in this catalogue.

SCI 101, 102 Foundations of Science 6 hrs, 4.5 cr each semester. SCI 101 offered Fa, SCI 102 offered Sp. A study of the nature of science following the historical development of such major concepts as the laws of planetary motion, Newton's laws, the atomic theory, and evolution. Lectures are accompanied by labs and frequent writing assignments.

SCI 200 Introduction to Biomedical Research 2 hrs, 1 cr; does not fulfill distribution requirement; not credited toward major or minor. Prereq: perm. inst. and either BIO 100 or CHEM 102. Designed specifically for students interested in entering the Minority Biomedical Research Support (MBRS/MARC) programs, although open to all qualified students. Seminars/lectures include: research opportunities with participating faculty in MBRS/MARC programs; career goals in biomedical and behavioral sciences; instruction in the preparation of literature searches in science; data collection and analysis; writing of scientific papers and presentation of oral reports. Visiting scientists will discuss their research. Term paper required. May be repeated up to 4 times.

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.



None of the interdisciplinary courses in the social sciences may be used toward the distribution requirement.

Course Access Codes Code DR applies to all interdisciplinary courses in the social sciences. For an explanation of the codes see pages 26-27 in this catalogue.

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 *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 *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 *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 Access Codes Codes DR and DY apply to SHS 200. For an explanation of the codes see pages 26-27 in this catalogue.

SHS 200 may not be used toward the distribution requirement.

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), Friedman (Hebrew), 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. Students must fulfill a language requirement 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.

Course Access Codes Students must fulfill developmental course requirements before taking many introductory and most advanced courses at Hunter College. The DR code applies for all JSS courses. To determine access codes for other courses listed here consult the relevant department listings.

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 281 Masterpieces of Ancient Hebraic Literature in Translation 3 cr

HEBR 382 Masterpieces of Medieval Hebraic Literature in Translation 3 cr

HEBR 383 Readings in Modern Hebrew 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 instr 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.

Latin American and Caribbean Studies

Program Office West Building room 1118, phone 772-4285,6

Director Josh DeWind

LACS Committee Bonilla (Centro de Estudios Puertorriqueños), DeWind (Anthropology), Erickson (Political Science), Hammond (Sociology), Lees (Anthropology), Petchesky (Women's Studies), Poppendieck (Sociology), Randall (Economics), Rodriguez (Black and Puerto Rican Studies), Susser (Health Sciences), Turner (History), White (Geography & Geology), Yúdice (Romance Languages)

Latin American and Caribbean Studies is an interdisciplinary program that offers students the opportunity to learn about the history, culture, politics, society, and economics of the region and the region's relations with the United States. In the context of a growing and dynamic Caribbean and Latin American population in New York City, the program enables students to seek knowledge and an understanding of the origins of these peoples and their settlement in this country.

The specialization in Latin American and Caribbean Studies as a major leading to a BA degree consists of 36 credits: 24 core credits for the major and 12 credits for the minor. The core courses for the major 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 a member of the Latin American and Caribbean Studies Committee serving as an advisor.

The interdisciplinary specialization of the major, combined with the minor's emphasis on a traditional discipline, serves the program's graduates well, whether they choose to seek employment in public or private organizations, to pursue a professional degree, or go on for a graduate degree in the social sciences or humanities.

Internships The program arranges internships for Hunter College students to work with organizations based in New York City that promote Latin American and Caribbean human rights. During internships, students are expected to enroll in human rights-related courses, which can be used to satisfy core course requirements for the major.

Course Access Students must fulfill developmental course requirements before taking many introductory and most advanced courses at Hunter College. To take LACS 300 and 400 level courses students must pass the DR code and be a sophomore, junior, or senior.

Major The major requires 24 credits of which 21 come from courses focusing on Latin American and Caribbean topics (no more than 6 credits may be drawn from any one participating department or program) and 3 from the program's seminar (LACS 434).

Minor The 12-credit minor, chosen by the student in consultation with the LACS director, 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's broad interdisciplinary area coverage by providing exposure to the focus and tools of a traditional academic discipline.

Language Requirement Latin American and Caribbean Studies majors are required to demonstrate a reading knowledge of Spanish, Portuguese, or French.

COURSE LISTINGS

Note: Students wishing to register for LACS courses must meet course access requirements described above.

LACS 330 Field Course to Latin America and the Caribbean 3 cr. Research paper before leaving; then intensive, tightly structured on-site observation and investigation.

LACS 434 Seminar in Latin American and Caribbean Studies 3 cr. Open to sophomores, juniors, and seniors who have completed at least 18 credits in LACS or have the instructor's permission. Interdisciplinary reading, research, and discussion of selected topics involving cultural, economic, political, and social problems. Research paper required. May be repeated for a 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
- ANTHC 231 Archeology of Meso-America
- ANTHC 232 Archeology of South America and the Caribbean
- ANTHC 263 Afro-New World Languages and Culture
- BLPR 102 Latino Communities in New York
- BLPR 141 Puerto Rican Folklore
- BLPR 143 Image of Puerto Rican National Identity and Its Literature
- BLPR 207 Afro-Caribbean Politics I
- BLPR 208 Afro-Caribbean Politics II
- BLPR 237 Afro-Caribbean Literature
- BLPR 241 Puerto Rican History to 1897
- BLPR 242 Puerto Rican History since 1898
- BLPR 243 Puerto Rican Culture
- BLPR 244 Puerto Ricans in the United States
- BLPR 245 Puerto Rican Literature I
- BLPR 246 Puerto Rican Literature II
- BLPR 247 Puerto Ricans in the US as a Literary Theme
- BLPR 248 Caribbean Spanish
- BLPR 255 Puerto Rican Child in American Schools
- BLPR 270 The Economic History of Puerto Ricans
- BLPR 276 The Puerto Rican Family
- BLPR 290 Selected Topics in Black & Puerto Rican Studies
- BLPR 308 Contemporary International Relations of the Afro-Caribbean
- BLPR 320 African-Caribbean Culture
- BLPR 342 Political Nationalism in Puerto Rico
- BLPR 352 Power Structure in Puerto Rico
- BLPR 355 Spanish Afro-Antillean Poetry
- BLPR 360 Politics in Puerto Rico
- BLPR 362 Folk Religion in Puerto Rico
- BLPR 387 Puerto Rican Ethnic Politics in New York
- BLPR 390 Problems in Black and Puerto Rican Studies
- BLPR 403 Development Strategies in the Afro-Caribbean
- ECO 351 Contemporary Economic Systems: Latin America
- GEOG 270 Regional Geography of Middle America
- GEOG 271 Regional Geography of South America

HIST 337 History of Spain
 HIST 371 Colonial Hispanic America
 HIST 372 History of Latin America in the 19th and 20th Centuries

MEDIA 387 Third World Images: Media of Resistance
 MEDIA 395 Mass Media in Developing Countries
 MEDIA 396 International Communications

MUSHL 261.67 Topics in Music: Caribbean and Latin America
 MUSHL 352 Ethnomusicology I

POLSC 252 Government and Politics in the Caribbean
 POLSC 253 Government and Politics in Latin America
 POLSC 262 Government and Politics in Central America
 POLSC 271 International Politics in the Americas

FREN 353 Haitian and Afro-French Literature
 PORT 260 Brazilian Narrative in 19th and 20th Centuries in Translation
 SPAN 263 Contemporary Spanish-American Literature in Translation
 SPAN 264 Contemporary Spanish-American Literature in Translation
 SPAN 276 Readings in Modern Spanish-American Literature
 SPAN 336 Latin-American Civilization
 SPAN 360 Spanish-American Literature of the Colonial Period
 SPAN 362 Spanish-American Romanticism, Realism and Naturalism
 SPAN 364 Spanish-American Modernism and Postmodernism
 SPAN 365 Survey of Spanish-American *Teatro*
 SPAN 366 20th Century Latin American Poetry
 SPAN 367 Latin American Essay
 SPAN 368 20th Century Latin American Narrative
 SPAN 371 Special Topics in Spanish-American Literature
 SPAN 491 Honors Course in Spanish: Special Studies in Contemporary Latin American Literature

SOC 361 Social Change in Developing Societies

And any other new or selected-topic courses approved by the Latin American and Caribbean Studies director.

Mathematics and Statistics

Department Office North Building room 1230J phone 772-5300

Chair Thomas Jambois

Professors Baider, Bendersky, Churchill, Roitberg, Williams

Associate Professors Baranchik, Binkowski, Cherkas, Chess, Clarkson, Jambois, Loustau, Matthews, Peluso, Shay

Assistant Professor Haron

Advisors (day) John Loustau (evening) Barry Cherkas
 (remediation) Sandra Clarkson (statistics/graduate) Al Baranchik

The Department of Mathematics & Statistics 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.

Course Access Codes* Students must fulfill developmental course requirements before taking many introductory and most advanced courses at Hunter College. Students with a DM code on their records must take MATH 001 before they may register for any other course in the Department of Mathematics & Statistics. Codes DM and DP apply to all courses in the Department of Mathematics & Statistics except MATH 001. Code DY applies to MATH 100; codes DR and DY apply to MATH 111 and STAT 113; codes DR and DW apply to MATH 103 and 110; codes DX and DW apply to MATH 191, 291, 295, and all 200- and 300-level STAT courses. For an explanation of the codes see pages 25-26 in this catalogue. You should also refer to the paragraphs on Mathematics Proficiency and the Calculus Readiness Test below.

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, 191, STAT 113 (or 213), 212. At most 6 credits used to satisfy the distribution requirement may be credited toward a minor in the department. We suggest, but do not require, that students who are thinking of continuing the study of mathematics or statistics on the doctoral level elect French, German, or Russian to meet the foreign language portion of the distribution requirement.

Credit and Course Exemption The department offers credit or course exemption based on standard examinations such as AP and CLEP. Inquiries should be made at the department office.

Mathematics Proficiency* Upon entering Hunter College, all undergraduates and non-matriculated students must take 2 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 Department of Mathematical Sciences. Graduate and second-degree students from a 4-year US university may take mathematics courses without proficiency testing.

Calculus Readiness Test* The Calculus Readiness Test is a special departmental placement examination used to determine whether students are proficient in intermediate algebra and/or trigonometry. It is required of students who want to be exempted from MATH 120 Algebra and/or MATH 121 Trigonometry. Passing the examination allows for entry into MATH 150 Calculus I without first completing MATH 120 and 121. Passing MATH 120 or Part I of the examination is also now required by various other departments for entry into certain of their courses. Requests for information about other departments' regulations should be directed to those departments. The schedule for this examination is available in the Dolciani Mathematics Learning Center and should be checked well in advance of registration.

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.

* Revisions in the basic algebra through pre-calculus sequence (MATH 020-MATH 121) are currently underway which may involve modifications in course access codes, mathematics diagnostic/placement testing and course prerequisites. Please consult with the department office for up-to-date information and requirements.



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 38 credits of coursework, including 8 credits of calculus (MATH 150, 155), 24 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 (24 cr) MATH 211, 250, 254 or 255, 311, 351, C SCI 130, STAT 213 or 311.

Options Some flexibility is possible within each option, but any deviation from the requirement must be approved by 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 370. Recommended electives: MATH 254, 255, 354, STAT 312, 313, C SCI 470, 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 370, 470, 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 370.

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 New York City or New York State should consult the Education section of this catalogue and discuss their plans with advisors in education as well as in mathematics.

COURSE LISTINGS

Note: Before reading the course descriptions that follow, please refer to the paragraph on course access codes (e.g., DX, DW) in this section.

Prerequisites: Because of the nature of mathematics, the department recommends that students refrain from enrolling in any course that carries prerequisites unless these prerequisites have been completed with a grade of C or better.

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, PHYS 001, and MATH 020 will be counted toward graduation.) MATH 020 and PHYS 001 may be taken concurrently with permission of PHYS 001 coordinator. Grading is on the CR/NCR basis.

MATH 100 Basic Structures of Mathematics 3 hrs, 3 cr. Not open to students who have completed 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. 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 instr. 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. Not open to students who have completed MATH 211. Recommended for accounting students; not recommended for students majoring in mathematics or statistics. Offered D,E/Fa; D,E/Sp. Introduction to matrices and vectors, systems of linear equations, and linear programming with applications.

MATH 120 Elementary Functions* 3 hrs, 3 cr. Not open to students who have completed MATH 150 or its equivalent. Exponents, factoring, equations, inequalities, lines and circles, polynomial functions, systems of equations, exponential and logarithmic functions.

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, topics in exponential and logarithmic functions, trigonometric and inverse trigonometric functions.

* Revisions in the basic algebra through precalculus sequence (MATH 020-MATH 121) are currently underway which may involve modifications in course access codes, mathematics diagnostic/placement testing and course prerequisites. Please consult with the department office for up-to-date information and requirements.

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 and trigonometric functions, applications.

MATH 155 Calculus with Analytic Geometry II 4 hrs, 4 cr. Prereq: MATH 150. Differentiation and integration of transcendental functions, integration techniques, infinite sequences and series, improper integrals, polar coordinates.

MATH 191 Mathematics in Human History 3 hrs, 3 cr. Prereq: ENGL 120 and a college-level mathematics course. An historical treatment, of themes in mathematics, probability and statistics, with reference to applications in the arts and humanities and social and physical sciences from ancient times to the present.

MATH 211 Introduction to Linear Algebra 4 hrs, 4 cr. Prereq: MATH 155 and either C SCI 150 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 '91; E/Sp '92. 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 '91; D/Sp '92. 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. 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. 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 E/Sp '91; D/Sp '92. Introduction to theory of groups and rings.

MATH 312 Abstract Algebra II 3 hrs, 3 cr. Prereq: MATH 311. Offered D/Fa '91. 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 D/Fa '90. Congruences, quadratic residues, elementary Diophantine analysis, continued fractions, sums of squares.

MATH 331 Geometries 3 hrs, 3 cr. Prereq: MATH 211. Offered D/Sp '91. Topics in affine and projective geometry and/or topics in differential geometry.

MATH 340 Topology 3 hrs, 3 cr. Prereq: MATH 351. Offered E/Sp '92. 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 '91. 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 '90; E/Fa '91. 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. Propositional and first-order predicate calculi, models, validity, probability, con-

sistency, 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 '92. 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 D/Fa '90. 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. Not open to students who have completed STAT 213, ECO 221, 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 E/Fa '88; D/Fa '90. 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 ECO 221, 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 non-parametric 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 instr. 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. Offered E/Fa '90; D/Fa '91. Combinatorics, distribution theory for discrete and continuous random variables, central limit theorems.

STAT 312 Stochastic Processes 3 hrs, 3 cr. Prereq: STAT 311. Offered E/Sp '92. 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 E/Sp '91. Estimation, hypothesis testing, confidence limits for normal, binomial, Poisson, and exponential random variables.

Music

Department Office North Building room 1515, phone 772-5020

Chair Peter Basquin

Professors Anderson, Basquin, Fink, Griffel, Harrison, Martin, Montesi, Oberlin, Stauffer, Westermann

Associate Professors DeFord, Hampton, Harris

Assistant Professors Mueller, Thompson

Advisors (day/evening) Ruth DeFord, North Building room 1512 (graduate) George Stauffer, North Building room 1512

The Department of Music offers a wide variety of courses and 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 many areas of music performance, theory, history, and literature. The BA degree can be completed in the evening as well as the day. In addition, the department sponsors numerous extracurricular events, including concerts, lectures, and master classes.

Private lessons in 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 and many other music 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.

Course Access Codes Students must fulfill developmental course requirements before taking many introductory and most advanced courses at Hunter College. Code DX applies to MUSTH 101 and 102, and MUSPF 151, 219, and 220; codes DX and DW apply to all MUSHL courses, MUSTH courses excluding 101 and 102, MUSPF 349, 350, 369, and 411, and all MUSIN courses. For an explanation of the codes see pages 26-27 in this catalogue.

Distribution Requirement The requirement for humanities and the arts (Category V, Group 1) may be fulfilled by MUSHL 101, 107, or MUSTH 101, courses not counted towards the major. Music minors may apply one of these courses to fulfill Category V, Group 1 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 (Category III).

Major Programs The Department of Music offers 4 major programs to fit individual interests and requirements. In each of these, specific requirements may be waived, with the permission of the undergraduate advisor and the chairperson, for students who have extensive previous musical experience or special career interests. Candidates for the 42-credit and 59-credit majors must demonstrate reasonable mastery of an instrument or voice before graduation.

Piano Proficiency Requirement All music majors (except students in the 24-credit BA program) must demonstrate elementary proficiency at the piano. Students should plan to fulfill this requirement during their first year of study. A passing grade on the piano proficiency examination is a prerequisite for the second year of study in music theory (MUSTH 222 and 292). Students entering Hunter with limited keyboard background may take MUSPF 131-132 Elementary Piano I and II (for elective credit), or may take private lessons in piano at their own expense. The Music Department office has a list of recommended piano teachers.

24-credit Major (BA) This degree is designed for students who want 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 want to complete their degree as quickly as possible.

Requirements are:

1. 12 cr in music history: MUSHL 105 plus 3 courses from MUSHL 352 or 353, 354, 355, 357, 358, and 359. (The student cannot count both MUSHL 352 and 353 toward the major.)
2. 8 cr in music theory: MUSTH 120, 190, 121, and 191.
3. 4 cr in electives chosen from music courses 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 aspect of the field. Requirements are:

1. 12 cr in music history: MUSHL 105 plus 3 courses from: MUSHL 352 or 353, 354, 355, 357, 358, and 359. (Students planning to specialize in ethnomusicology on the graduate level may count both MUSHL 352 and 353 toward the major.)
2. 16 cr in music theory: MUSTH 120, 190, 121, 191, 222, 292, 223, and 293.
3. 14 cr in music performance: (a) 8 cr in MUSPF 180, 181, 282, and 283; (b) 4 cr in MUSPF 401 Minor Instruction in Instrument or Voice; and (c) 2 cr in performing groups (MUSPF 221, 231, 251, 291, 299, 353, or 355).

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 early childhood teaching 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 officially admitted 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 in 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. 12 cr in music history: MUSHL 105 plus 3 courses from: MUSHL 352 or 353, 354, 355, 357, 358, and 359. (The student cannot count both MUSHL 352 and 353 toward the major.)
2. 19 cr in music theory: MUSTH 120, 190, 121, 191, 222, 292, 223, and 293; MUSTH 335 or 337.
3. 12 cr in instruments, voice, and conducting: MUSPF 219, 241, 242, 243, 244, 245, and 246; MUSPF 349 or 350; MUSPF 411.
4. 16 cr in music performance: (a) 8 cr in MUSPF 180, 181, 282, and 283; (b) 2 cr in MUSPF 221; and (c) 6 cr 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. 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 have 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 (other than Music)	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. 12 cr in music history: MUSHL 105 plus 3 courses from: MUSHL 352 or 353, 354, 355, 357, 358, and 359. (The student cannot count both MUSHL 352 and 353 toward the major.)
2. 16 cr in music theory: MUSTH 120, 190, 121, 191, 222, 292, 223, and 293.
3. 8 cr in MUSPF 180, 181, 282, and 283.
4. 18 cr (6 semesters) in MUSPF 431. Students who are admitted to the BMus program upon admission to the College may take 2 additional semesters of MUSPF 431 for general elective credit.
5. 6 cr in solo and ensemble performance. Students may choose one of the following areas of concentration:
 - a. Instrumental performance: MUSPF 231, 251, 291, 299, 353, or 355.
 - b. Vocal performance: MUSPF 369 (2 cr), plus additional cr selected from MUSPF 221, 251, 353, 355, or 369.

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 who want to participate in this program must contact the undergraduate advisor for details and approval.

COURSE LISTINGS

Note: Before reading the course descriptions that follow, please refer to the paragraph on course access codes (e.g., DX, DW) in this section.

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. Perception of music and its relationship to sound and environment. Stresses music from various world cultures and contemporary American classical repertoire.

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 Music History 3 hrs, 3 cr. Prereq or coreq: MUSTH 120, MUSTH 190, and ENGL 120. Intensive course for music majors. Overview of history and styles of music; training in basic research techniques in field of music.

MUSHL 203 Orchestral Music 3 hrs, 3 cr. Prereq: MUSHL 101, 105, or 107, or MUSTH 101, or perm instr. Representative orchestral music from 18th century to present.

MUSHL 210 Music for the Piano 3 hrs, 3 cr. Prereq: MUSHL 101, 105, or 107, or MUSTH 101, or perm instr. Piano literature from 18th century to present.

MUSHL 212 Masterpieces of Opera 3 hrs, 3 cr. Prereq: MUSHL 101, 105, or 107, or MUSTH 101, or perm instr. Study of operatic styles of composers such as Mozart, Verdi, and Wagner.

MUSHL 217 History of Jazz 3 hrs, 3 cr. Prereq: MUSHL 101, 105, or 107, or MUSTH 101, or perm instr. Survey of jazz from its origins to present.

MUSHL 218 Masterworks of Choral Literature 3 hrs, 3 cr. Prereq: MUSHL 101, 105, or 107, or MUSTH 101, or perm instr. Significant sacred and secular choral works from Renaissance to present.

MUSHL 227 Master Composers 3 hrs, 3 cr. Prereq: MUSHL 101, 105, or 107, or MUSTH 101, or perm instr. 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, 105, or 107, or MUSTH 101, or perm instr. 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 instr. Study of works illustrating one specific genre, style, or period. Topics to be announced. May be taken 6 times.

MUSHL 352 Introduction to Ethnomusicology I 3 hrs, 3 cr. Prereq: MUSTH 121 and 191 or perm instr. Offered D/Sp '91. Survey of musical traditions of Sub-Saharan Africa, Europe, and the Americas.

MUSHL 353 Introduction to Ethnomusicology II 3 hrs, 3 cr. Prereq: MUSTH 121 and 191 or perm instr. Offered D/Sp '92. Survey of musical traditions of North Africa, the Middle East, Oceania, and South and East Asia.

MUSHL 354 Music of Middle Ages and Renaissance 3 hrs, 3 cr. Prereq: MUSHL 105 and MUSTH 121 and 191 or perm instr. Offered D/Fa '90, '91. 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 121 and 191 or perm instr. Offered E/Fa '90, D/Sp '91, D/Sp '92. Study of music from 1600 to 1750.

MUSHL 357 Music of Classical Period 3 hrs, 3 cr. Prereq: MUSHL 105 and MUSTH 121 and 191 or perm instr. Offered D/Fa '90, E/Sp '91, D/Sp '92. 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 121 and 191 or perm instr. Offered D/Sp '91, E/Fa '91. Study of music from 1820 to 1914.

MUSHL 359 Music of 20th Century 3 hrs, 3 cr. Prereq: MUSHL 105 and MUSTH 121 and 191 or perm instr. Offered D/Fa '90, D/Fa '91.

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 Music Theory I 3 hrs, 3 cr. Prereq: ability to read music; coreq: MUSTH 190. Offered Fa. Review of fundamentals of music theory; introduction to melodic, rhythmic, contrapuntal, harmonic, and formal organization of music.

MUSTH 121 Music Theory II 3 hrs, 3 cr. Prereq: MUSTH 120; coreq: MUSTH 191. Offered Sp. Continuation of MUSTH 120.

MUSTH 190 Music Theory Laboratory I 3 hrs, 1 cr. Coreq: MUSTH 120. Offered Fa. Oral, aural, and keyboard drill on materials studied in corequisite course. Individual work in Computer Assisted Instruction facility.

MUSTH 191 Music Theory Laboratory II 3 hrs, 1 cr. Prereq: MUSTH 190; coreq: MUSTH 121. Offered Sp. Continuation of MUSTH 190.

MUSTH 222 Music Theory III 3 hrs, 3 cr. Prereq: MUSTH 121; coreq: MUSTH 292. Offered Fa. Intermediate-level study of melodic, rhythmic, contrapuntal, harmonic, and formal organization of music.

MUSTH 223 Music Theory IV 3 hrs, 3 cr. Prereq: MUSTH 222; coreq: MUSTH 293. Offered Sp. Continuation of MUSTH 223.

MUSTH 292 Music Theory Laboratory III 3 hrs, 1 cr. Prereq: MUSTH 191; coreq: MUSTH 222. Offered Fa. Oral, aural, and keyboard drill on materials studied in corequisite course. Individual work in the Computer Assisted Instruction facility.

MUSTH 293 Music Theory Laboratory IV 3 hrs, 1 cr. Prereq: MUSTH 292; coreq: MUSTH 223. Offered Sp. Continuation of MUSTH 292.

MUSTH 324 Music Theory V 3 hrs, 3 cr. Prereq: MUSTH 223; coreq: MUSTH 394. Advanced study, in historical and stylistic context, of melodic, rhythmic, contrapuntal, harmonic, and formal organization of music.

MUSTH 325 Music Theory VI 3 hrs, 3 cr. Prereq: MUSTH 324; coreq: MUSTH 395. Continuation of MUSTH 324.

MUSTH 329 Fugue 3 hrs, 3 cr. Prereq: MUSTH 325 or perm instr. Offered D/Sp '92. Analysis and techniques of fugal composition.

MUSTH 331 Contemporary Techniques I 3 hrs, 3 cr. Prereq: MUSTH 223 or perm instr. Twentieth-century compositional techniques, forms, and media.

MUSTH 332 Contemporary Techniques II 3 hrs, 3 cr. Prereq: MUSTH 331.

MUSTH 333 Composition* 3 hrs, 3 cr. Prereq: perm instr. May be taken 4 times.

MUSTH 335 Orchestration 3 hrs, 3 cr. Prereq: MUSTH 223. Offered D/Fa '91.

MUSTH 337 Choral Arranging 3 hrs, 3 cr. Prereq: MUSTH 222. Offered D/Fa '90.

MUSTH 339 Commercial Arranging 3 hrs, 3 cr. Prereq: MUSTH 223 or perm instr. Offered D/Sp '92. 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 '90, D/Fa '91.

MUSTH 342 Studies in Analysis, Style, and Performance II 3 hrs, 3 cr. Prereq: MUSTH 341.

MUSTH 394 Music Theory Laboratory V 3 hrs, 1 cr. Prereq: MUSTH 293; coreq: MUSTH 324. Oral, aural, and keyboard drill on the materials studied in corequisite course. Individual work in the Computer Assisted Instruction facility.

MUSTH 395 Music Theory Laboratory VI 3 hrs, 1 cr. Prereq: MUSTH 394; coreq: MUSTH 325. Continuation of MUSTH 394.

MUSTH 396 Keyboard Accompaniment and Improvisation 3 hrs, 3 cr. Prereq: MUSTH 293. Offered D/Fa '91.

MUSTH 461 Seminar in Music Theory 3 hrs, 3 cr. Prereq: variable. Topics to be announced. May be taken twice.

* Credited toward distribution requirement.

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 I* 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 180 Performance Techniques I 3 hrs, 2 cr. Prereq: ability to read music. Introductory study of performance problems: development of memory, coordination, accuracy, and fluency in interpretation and perception of music.

MUSPF 181 Performance Techniques II 3 hrs, 2 cr. Prereq: MUSPF 180. Continuation of MUSPF 180.

MUSPF 219 Voice I 3 hrs, 2 cr. Prereq: ability to read music. Offered D/Fa. For music majors or by audition and with permission of instructor. Fundamentals of breath control, tone production, articulation, posture, interpretation, and style. Vocalises, songs, and arias.

MUSPF 220 Voice II 3 hrs, 2 cr. Prereq: MUSPF 219. Offered D/Sp.

MUSPF 221 College Choir* 3 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 instr. May be taken 8 times.

MUSPF 241 Strings I 2 hrs, 1 cr. Majors only. Prereq: MUSPF 181 or perm instr. Offered D/Fa '90.

MUSPF 242 Strings II 2 hrs, 1 cr. Majors only. Prereq: MUSPF 241. Offered D/Sp '91.

MUSPF 243 Woodwinds I 2 hrs, 1 cr. Majors only. Prereq: MUSPF 181 or perm instr. Offered D/Fa '91.

MUSPF 244 Woodwinds II 2 hrs, 1 cr. Majors only. Prereq: MUSPF 243. Offered D/Sp '92.

MUSPF 245 Brass I 2 hrs, 1 cr. Majors only. Prereq: MUSPF 181 or perm instr. Offered D/Fa '90.

MUSPF 246 Brass II 2 hrs, 1 cr. Majors only. Prereq: MUSPF 245. Offered D/Sp '91.

MUSPF 251 Jazz Workshop* 2 hrs, 1 cr. Prereq: audition and perm instr. Jazz performance and improvisation for advanced singers and instrumentalists. May be taken 6 times.

MUSPF 282 Performance Techniques III 3 hrs, 2 cr. Prereq: MUSPF 181. Intermediate study of performance problems: development of memory, coordination, accuracy, and fluency in interpretation and perception of music.

MUSPF 283 Performance Techniques IV 3 hrs, 2 cr. Prereq: MUSPF 282. Continuation of MUSPF 282.

MUSPF 299 Jazz Band* 3 hrs, 1 cr. Open to all instrumentalists by audition. Study and performance of popular music with emphasis on jazz styles. May be taken 6 times.

MUSPF 349 Choral Conducting 3 hrs, 2 cr. Prereq: MUSPF 283 or perm instr; coreq: audit MUSPF 221. Offered D/Fa '91.

MUSPF 350 Orchestral Conducting 3 hrs, 2 cr. Prereq: MUSPF 283 or perm instr; coreq: audit MUSPF 231. Offered D/Sp '92.

MUSPF 353 Collegium Musicum* 3 hrs, 2 cr. Prereq: audition and perm instr. Study and public performance of solo and ensemble works from the medieval, Renaissance, and baroque periods. May be taken 4 times.

MUSPF 355 Chamber Music Workshop* 2 hrs, 1 cr. Prereq: audition and perm instr. 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, 2 cr. Prereq: ENGL 120; private voice and/or piano instruction, or MUSPF 220 and perm instr, also some facility in at least one foreign language with a solo vocal repertory. Course in seminar/workshop format for advanced music students in which singers and accompanists work together rehearsing, studying, preparing, and performing solo vocal repertoire. May be taken 6 times.

MUSPF 384 Performance Techniques V 3 hrs, 2 cr. Prereq: MUSPF 283. Advanced study of performance problems: development of memory, coordination, accuracy, and fluency in interpretation and perception of music.

MUSPF 385 Performance Techniques VI 3 hrs, 2 cr. Prereq: MUSPF 384. Continuation of MUSPF 384.

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, 2 cr. 59-cr BS majors only. Offered D/Fa '90. 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 1990-92, may be offered.

MUSHL 204 Chamber Music

MUSHL 219 The Art Song

MUSPF 291 Hunter Wind Ensemble

MUSTH 331, 332 Contemporary Techniques I, II

Courses not to be offered during 1990-92:

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 25th St, New York City, NY 10010, phone 481-4312

Dean Evelyn Gioielli

Associate Dean Mary Ramshorn

Professors Bandman, Davis, Gioielli, Magnus, Munhall, Natapoff, Parse, Ramshorn, White

Associate Professors Barrett, Cortes, Essoka, Hope, Kirsch, Rendon, Russo, Sculco, Wondolowski

Assistant Professors Hofmann, Jacobson, Jones, Lunney, Malinski, McDermott, Neville, Nickitas, Nokes, Sayre, Troy

Instructors Caroselli-Dervan, Moseley

Lecturers Aronson, Lahey, May

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 the Hunter College Admissions Office at 695 Park Avenue, New York, NY 10021 or from the CUNY Office of Admissions, 101 West 31st St, New York, NY 10001.

The undergraduate division consists of two parts: lower division (general education) and upper division (professional education). Students are considered for admission to the Generic Pathway Program for the fall semester only, and only after completing lower division courses. RN Pathway students are admitted for spring to take electives in nursing and may begin core courses in the fall. RNs are also admitted in the fall. 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" must be attained for *all required science, mathematics, and nursing* courses.

Graduates are awarded a BS (Nursing) degree and are eligible to take the National Council Licensing Examination. (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 transfer or second-degree students 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 School of Nursing, 425 East 25th St, New York, NY 10010.

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 School of Nursing, 425 East 25th St, New York, NY 10010.

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. Minimum grade of C.

2. RN Pathway

STAT 113, BIOL 210, 211, CHEM 100-101, and 13 credits of courses in biology, chemistry, physics, and math. Must be completed prior to nursing courses.

B. English Composition (3 cr)

ENGL 120.

C. Humanities: Literature (6 cr)

ENGL 220, 250, or any 2 courses which fulfill Category IV of the distribution requirement (see p 24).

D. Humanities (9 cr)

9 credits from among the disciplines listed under Category V of the distribution requirement (see p 24).

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 24).

F. Physical Education (1 cr)

Any activity course listed in this catalogue.

G. Liberal Arts and Science Electives (16 cr)

Students must take 16 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, 419, 420, 421.

2. RN Pathway (45 cr)

24 cr of nursing by Regents College Exams, plus NURS 380, 381, 480, 481, 482.

B. Nursing Electives

Students must take at least 9 credits of 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 18 hrs (4 lec, 14 lab) 8 cr. Prereq: completion of lower-division sequence. Coreq: NURS 200. Offered Fa. Provides knowledge base for effective nursing care of the child bearing family.

NURS 312 Nursing II 18 hrs (4 lec, 14 lab) 8 cr. Prereq: NURS 200, 310. Offered Sp. Provides knowledge base for effective nursing care of clients from childhood through young adulthood.

* 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 intermediate algebra or sequential mathematics 3 or passed Parts I and II 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.

** It is highly recommended that these courses be taken prior to entry into the nursing major.

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 18 hrs (4 lec, 14 lab) 8 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 18 hrs (4 lec, 14 lab) 8 cr. Prereq: NURS 410. Offered Sp. Provides knowledge base for effective nursing care of elderly clients.

NURS 419 Nursing Management and Leadership in the Health Care System 2 hrs, 2 cr. Prereq: NURS 200, 310, 312, 331, 332. Offered Fa. Study of principles of nursing management, leadership, and research processes in health care system.

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 421 Nursing and Society 2 hrs, 2 cr. Prereq: NURS 200, 310, 312, 331, 332, 410, 419, 420. Offered Sp. Analysis of issues and trends in nursing and health care from societal perspective.

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 343 Patterns of Biological Disruptions 3 hrs, 3 cr. Emphasizes biological disruptions that are pathobiological and their influence on levels of wellness across the life span.

NURS 344 Death and Dying 3 hrs, 3 cr. An overview of current theories, concepts, and practices related to death, dying, and bereavement. The role of the nurse threaded throughout.

NURS 350 Individual Study in Nursing 1 hr, 1 cr, 2 hrs, 2 cr, 3 hrs, 3 cr. An opportunity to study in depth a topic of individual interest.

* Open only to RN Pathway students.

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.

NURS 445 Teaching—Learning Across the Developmental and Health Continuum 3 hrs, 3 cr. Pedagogical/androgogical principles of learning and instruction to enhance client teaching in the promotion, maintenance and/or restoration of health.

NURS 450 Computer Concepts and Application in Nursing 3 hrs, 3 cr. Study of computing concepts, principles, practices, and applications in nursing and health care.

NURS 483 Politics of Health 3 hrs, 3 cr. An analysis of the relationships between politics and health status, health services, and health care providers.

Note: Students who fail a core prerequisite course in a nursing sequence may not proceed to the next course in the sequence without repeating the failed course. A course may not be failed more than once. This policy applies even though a grade appeal is in progress.

Philosophy

Department Office West Building room 1413, phone 772-4970

Chair John Lango

Professors Held, Landesman, Sherover, Stambaugh

Associate Professors Freeman, Kirkland, Lango, Press, Ross

Advisor (day/evening) Steven Ross

Philosophy studies the most fundamental questions that human beings ask—about individual and social action, the possibility and limits of knowledge, the truth and justification of beliefs, human nature and freedom, the existence of God, and the operations of nature. Philosophy approaches these questions in a systematic way, and philosophers have worked out more or less comprehensive theories to answer them (or show why they cannot be answered). The courses offered by the Philosophy Department are designed to introduce students to the main problems that philosophers study and to the main ideas of such profound and influential 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 and critically, to write thoughtfully, to use intelligence and logic to deal with problems all too often ruled by emotion and prejudice. Philosophy also helps one develop intellectual flexibility and learn to appreciate ideas and beliefs other than those of one's own time, place, class, or group. Since it develops these intellectual abilities and habits, the study of philosophy, either in individual courses or as a major or minor, is excellent preparation for any profession or occupation. Students of philosophy pursue careers in law, business, medicine, government, and the arts. Some 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.

Course Access Codes Students must fulfill developmental course requirements before taking many introductory and most advanced courses at Hunter College. Codes DR and DY apply to PHILO 102; codes DX and DW apply to PHILO 101, 104, 106, 108, and 170; and codes DX, DW, and DM apply to all PHILO courses numbered 200 and above. For an explanation of the codes see pages 26-27 in this catalogue.

Distribution Requirement PHILO 101, 104, 106, 170, 201, 203, or 204 may be used to fulfill Category V, Group 2 of the requirement for humanities and the arts. 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 Requirements 24 cr, distributed as follows:

1. 3 cr in logic: either PHILO 170 or 274.
2. 3 cr in ancient and medieval philosophy: any course from PHILO 203, 212, 214, 380, 381.
3. 3 cr in modern and contemporary philosophy: any course from PHILO 204, 215, 217, 218, 384, 386, 387, 388, 389.
4. 3 cr in moral and political philosophy: any course from PHILO 244, 246, 344.
5. 3 cr in metaphysics and epistemology: any course from PHILO 360, 362, 364, 366, 379.
6. 3 cr in the intensive study of a major philosopher: any course from PHILO 380, 381, 384, 386, 387, 388, 389. The same course may not be used to satisfy both this requirement and requirement 2 or 3 above.
7. 6 additional cr chosen in consultation with the advisor. Students are encouraged to select courses that acquaint them with philosophical traditions other than the dominant Western ones.

Minor A philosophy major is permitted to minor in all programs that the College offers. Double majors are also permitted.

Major Advisor Students majoring in philosophy are required to meet with the departmental major advisor at least once each year to review their course of study and progress toward the degree. Once each semester the major advisor will convene a meeting with all interested majors, minors, and those considering a major or minor in philosophy to discuss departmental plans, policies, and requirements. One of these meetings will be held during evening session Dean's Hours.

Mentoring Philosophy majors are encouraged to establish a mentor relationship with a faculty member of their choice. This relationship will be distinct from the departmental advising relationship.

First Course in Philosophy The Philosophy Department offers a variety of introductory courses, appropriate for students with different interests and backgrounds. PHILO 101 is a general introduction to Philosophy. PHILO 104 is an introduction with emphasis on ethics, while PHILO 106 is an introduction to logic and philosophy of science. At a slightly more advanced level, PHILO 201 is an introduction with emphasis on theory of knowledge and metaphysics. PHILO 203 and 204 survey the history of philosophy. Students who are considering a philosophy major should choose PHILO 106, 170, 201, 203, or 204.

Departmental Honors To be eligible for graduation with departmental honors in philosophy, a major must have a 3.5 GPA in philosophy and a 2.7 overall GPA. The student must register for PHILO 494 and write a substantial paper under the direction of a faculty member. This honors essay will be judged both by the faculty member under whose direction the student is working and by the departmental Honors Committee.

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

Note: Before reading the course descriptions that follow, please refer to the paragraph on course access codes (e.g. DX, DW) in this section.

Prerequisites: ENGL 120 is prerequisite to all PHILO courses other than those in Area I (Introductory Courses) and courses in logic (PHILO 274, 275, 375, and 376).

Note: With a few exceptions, all 200-level courses require one previous course in PHILO and all 300-level courses require two previous courses in PHILO, at least one of which normally is numbered 200 or above. The *exceptions are indicated by daggers* (†) in the course listing, and alternative prerequisites, if any, are described.

I. Introductory Courses (offered each semester)

PHILO 101 Introduction to Philosophy 3 hrs, 3 cr. Examination of basic philosophical questions through study of selected philosophical classics.

PHILO 102 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 104 Introduction to Ethics 3 hrs, 3 cr. Examination of standards of right conduct and the good life through study of selected philosophical classics.

PHILO 106 Philosophy, Politics, and Society 3 hrs, 3 cr. Introduction to social and political philosophy.

PHILO 108 Philosophical Ideas in Literature 3 hrs, 3 cr. Study of philosophical ideas exemplified in a selection of classics of world literature.

PHILO 170 Introduction to Formal Logic and Scientific Method 3 hrs, 3 cr. Examination of foundations of deductive and inductive logic.

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 203 Great Philosophers: Ancient and Medieval† 3 hrs, 3 cr. Comprehensive study of major philosophical thinkers, ideas, and movements from the dawn of philosophy in ancient Greece to the time of the Renaissance.

PHILO 204 Great Philosophers: Modern and Contemporary† 3 hrs, 3 cr. Comprehensive study of major philosophical thinkers, ideas, and movements from the rise of modern philosophy in the 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. History of Philosophy (See *Prerequisites*, above)

PHILO 212 Classical Greek Philosophy: Plato and Aristotle 3 hrs, 3 cr. Study of major works of Plato and Aristotle in the context of the philosophical thought of the ancient world.

PHILO 214 Medieval Philosophy 3 hrs, 3 cr. Study of major writings by medieval Arabic, Christian, and Jewish philosophers such as Averroes, Aquinas, and Maimonides.

PHILO 215 Foundations of Modern Philosophy 3 hrs, 3 cr. Study of major writings of Bacon, Hobbes, Descartes, Spinoza, and Leibniz.

PHILO 217 Empiricism and the Enlightenment 3 hrs, 3 cr. Major works of British empiricists (Locke, Berkeley, Hume) and their influence on 18th-century thought.

PHILO 218 Nineteenth-Century Philosophy 3 hrs, 3 cr. Study of major works of Hegel, Schopenhauer, Mill, Kierkegaard, Marx, and Nietzsche.

PHILO 219 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 and Contemporary Philosophical Movements (See *Prerequisites*, above)

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 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 226 African-American Philosophy 3 hrs, 3 cr. Development of the African-American intellectual tradition. Study of the work of such figures as Equiano, Douglass, Cooper, Blyden, DuBois, and Hurston.

PHILO 228 Existentialism 3 hrs, 3 cr. Philosophical writings of major existentialists. Topics include nature of subjectivity, moral value, freedom, authenticity.

PHILO 230 Feminism: Philosophical Theory and Practice 3 hrs, 3 cr. Analyses of feminist theories and their practical implications.

PHILO 322 Modern Philosophical Idealism 3 hrs, 3 cr. Study of major works of Fichte, Schelling, Hegel, Bradley, Royce, and their critics.

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.

IV. Value, Creativity, and the Good Life (See *Prerequisites*, above)

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, and society.

PHILO 252 Problems of Law and Morality 3 hrs, 3 cr. Philosophy of law and the relation of legal to ethical issues.

PHILO 254 Ethical Issues in Biology and Medical Care 3 hrs, 3 cr. Treats issues such as abortion, euthanasia, "extraordinary means", confidentiality, human experimentation, genetic control, and allocation of limited life-saving therapy.

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 344 Philosophy of Law† 3 hrs, 3 cr. Prereq: two courses in PHILO including one of PHILO 104, 106, 230, 244, 246, 252, 254. Major issues in legal philosophy, such as the nature of law, the limits of legal authority, problems of obligation and punishment.

V. Knowledge, Mind, and Reality (See *Prerequisites*, above)

PHILO 262 Philosophy of Religion† 3 hrs, 3 cr. Prereq: 1 course in philosophy or religion. Philosophical examination of some religious questions and beliefs.

PHILO 268 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 the philosophical significance of language, its structure, meaning, reference, and use.

PHILO 366 Philosophy of Mind 3 hrs, 3 cr. Examination of the concept of mind and the person. Topics include thinking, intention, action, emotion, self-knowledge.



VI. Logic and Philosophy of Science (See *Prerequisites*, p. 121)

PHILO 270 Philosophy, Science, and Culture 3 hrs, 3 cr. Issues relating to the impact of modern science on philosophy, religion, and culture.

PHILO 274 Symbolic Logic I† 3 hrs, 3 cr. Prereq: one course in philosophy, computer science, or mathematics. Introduction to formal symbolic methods for answering basic questions concerning logical truth, consistency, equivalence, entailment, and validity.

PHILO 275 Symbolic Logic II† 3 hrs, 3 cr. Prereq: PHIL 274 or perm instr. Continued study of the principles of symbolic logic, including such topics as quantifier derivations, logic of identity, sets, relations, and functions.

PHILO 375 Advanced Symbolic Logic† 3 hrs, 3 cr. Prereq: PHIL 275 or equiv. A survey of the central results and techniques of metalogic, principally mathematical induction, the soundness and completeness of theorems for first-order logic, the Skolem theorem, and Church's theorem on undecidability.

PHILO 376 Logical Theory 3 hrs, 3 cr. Study of selected questions in philosophy of logic and philosophy of mathematics.

PHILO 379 Philosophy of Science 3 hrs, 3 cr. Study of foundations of knowledge in natural and social sciences.

VII. Major Philosophers (See *Prerequisites*, p. 121)

PHILO 380 Plato 3 hrs, 3 cr. Close study of major Platonic dialogues.

PHILO 381 Aristotle 3 hrs, 3 cr. Close study of Aristotle's major writings.

PHILO 384 Kant 3 hrs, 3 cr. A study of some of Kant's major writings.

PHILO 386 Hegel 3 hrs, 3 cr. Study of some of Hegel's major writings.

PHILO 387 Nietzsche 3 hrs, 3 cr. Study of his major writings.

PHILO 388 Wittgenstein 3 hrs, 3 cr. Development of Wittgenstein's thought through intensive study of his major works.

PHILO 389 Heidegger 3 hrs, 3 cr. Detailed study of the central themes in *Being and Time* and their development in his later essays.

VIII. Special Studies (See *Prerequisites*, p. 121)

PHILO 200 Topics in Philosophy† 3 hrs, 3 cr. Prereq: variable. Topics discussed vary from semester to semester.

PHILO 393 Philosophical Systems† 3 hrs, 3 cr. Prereq: variable. Study of writings of one or two major philosophers.

PHILO 394 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 instr. Independent study of philosophical works under faculty supervision.

PHILO 494 Honors Tutorial in Philosophy† 3 or 6 cr. Prereq: perm dept advisor or chair. Independent research and writing under direction of department's Honors Committee.

PHILO 498 Inservice Learning Program† 1 to 6 cr. Prereq: perm dept advisor or chair. Philosophically relevant internship.

Physics and Astronomy

Department Office North Building room 1200, phone 772-5248

Acting Chair Leon Cohen

Professors Cohen, Kritz, Lawergren, Marino, Tryon

Associate Professors Bennick, Bergou, Chen, den Boer, Greenbaum, Varley

Assistant Professor Hillery

Advisors (day) Robert Marino (majors) Edward Tryon (evening) Martin den Boer (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.

Course Access Codes Students must fulfill developmental course requirements before taking many introductory and most advanced courses at Hunter College. Codes DX, DM, and DP apply to all PHYS and ASTRO courses. For an explanation of the codes see pages 26-27 in this catalogue.

Distribution Requirement No more than 8 credits from PHYS 111-121 may 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 opportunity and incentive are 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 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 stu-

dents 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 the 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 want to qualify for New York City licensing or New York State certification should consult the Education section of this catalogue for the detailed requirements.

Students preparing to teach physics and general science are advised to include the following courses or their equivalents in their undergraduate program: 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 section of 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 degree 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	4.5	4.5	4.5	4.5
CHEM 104, 105	4.5	4.5	—	4.5
Computer Science				
C SCI 130	4	4	4	4
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 201 or 202	3	3	3	3
Physical Education				
2 activity courses	2	2	2	2

COURSE LISTINGS

Note: Before reading the course descriptions that follow, please refer to the paragraph on course access codes (e.g., DX, DW) in this section.

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.) 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. Offered TTT Program only. Study of crystals using techniques of both chemistry and physics.

* Skills courses will not be credited. For example, accounting, statistics, photography, drawing, musical instruments technique, non-literature courses, etc., are regarded as skills courses.

PHYS 101 Introduction to Physical Science 5 hrs (3 lec, 2 lab), 4 cr. 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. Introductory 1-sem astronomy course designed for non-science majors.

PHYS 101 Study of Selected Phenomena and Basic Concepts of Physics (1-sem course) 6 hrs (3 lec, 3 lab), 4 cr. Introductory physics course designed for nursing majors and others requiring a 1-sem 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-sem 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-sem 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-sem 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-sem 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 offered during 1990-92:

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, Petchesky, Richter, Sherrill, Volkomer, Zagoria

Associate Professors Ganguly, Jaworskyj, Somerville, Tronto

Assistant Professor Polsky

Instructor Roberts

Advisors (day) Andrew Polsky (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 sub-fields 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.

Course Access Codes Students must fulfill developmental course requirements before taking many introductory and most advanced courses at Hunter College. Code DR is required for enrollment in any POLSC course; code DL applies to all 200-level POLSC courses; and codes DX and DW apply to all 300- and 400-level POLSC courses. For an explanation of the codes see pages 26-27 in this catalogue.

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, comparative politics, and international relations. 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.

Minor 12 credits in one 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 Department of Political Science.

Interdepartmental Fields Students who want to do work in political science as part of the interdepartmental fields in Russian Area Studies, Latin American and Caribbean Studies, 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 elementary and secondary levels. Students who wish to qualify for New York City licensing or New York State certification should consult the Education section of this catalogue. It is possible to complete a major in political science and at the same time to satisfy the requirements for 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 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 Government This university-wide program is designed to bridge the gap between academic study and the practical world of 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 agencies, political offices, or community groups working on administrative or research assignments related to urban affairs and 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 Department of Political Science.

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. The program is also designed to help students make future career choices. 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 8–10 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 Department of Political Science.

Preparation for Graduate Study Students who intend to go on to graduate school should consult their 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 through prizes and awards: *The Katherine Duffy Prize* and *The Edgar Dawson Prize*, presented annually to graduating political science majors, and *The David E. Haight Memorial Award*, a substantial fellowship to enable a graduating political science major to pursue graduate studies in political science.

COURSE LISTINGS

Note: Before reading the course descriptions that follow, please refer to the paragraph on course access codes (e.g., DX, DW) in this section.

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. Recurrent 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 instr. 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 instr. 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 411, 412 Seminar/Internship in New York Government* 2 sems. 4 hrs, 4 cr each sem. Prereq: perm dept. Practical experience in 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 206 Research Design in Political Science 3 hrs, 3 cr. Prereq: MATH 001 or passing College proficiency examination in math or perm instr. 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 instr. 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 instr. 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.

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 Government and Politics in the Caribbean 3 hrs, 3 cr. Colonial heritage and American presence. Political institutions, cultural diversity, and economic dependency.

POLSC 253 Government 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 Government and Politics in Western Europe 3 hrs, 3 cr. Theory, practice, institutions, and problems of noncommunist European nations (Britain, France, Germany, etc.).

POLSC 255 Government 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 Government and Politics in South and Southeast Asia 3 hrs, 3 cr. Political, economic, and social institutions of India, Cambodia, Vietnam, Indonesia, Thailand, etc.

POLSC 257 Government and Politics of China 3 hrs, 3 cr. Chinese communist political theory, institutions, and foreign policy.

POLSC 262 Government and Politics in Central America 3 hrs, 3 cr. Political institutions, ideology, class and ethnic structure, economic development, distribution of wealth and power, foreign influences, and revolutionary and evolutionary roads to modernization.

POLSC 263 Government and Politics in the Middle East 3 hrs, 3 cr. Introduction to Islamic societies and their politics with particular attention to cultures of region.

*Courses so marked are of particular interest to students planning a concentration in Public Administration and Public Policy.

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 Government and Politics in Eastern Europe 3 hrs, 3 cr. Political, social, and economic institutions of individual Eastern European nations and their relations with the 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 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 instr. 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 instr. 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 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 instr. Powers, functions, and effectiveness of international institutions; emphasis on United Nations and regional organizations.

POLSC 280 Women, War and Peace 3 hrs, 3 cr. The course examines the roles that women have played as subjects and objects in war and peace.

POLSC 373 Contemporary Issues in International Politics 3 hrs, 3 cr. Prereq: POLSC 115 or perm instr. 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 instr. 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 Sam J. Korn

Assistant to Chair Denise Barlow

Professors Barr, Chase, Fried, Gordon, Harding, Kaufmann, Korn, Krauss, Luine, Manning, Moller, Rettig, Thompson, Topoff, Turkewitz, Valian, Zeigler

Associate Professors Chodorow, Klass, Novak, Paludi, Rabinowitz, Seegmiller, Slochower

Assistant Professors Davage, DeFour

Undergraduate Advising Office Room 611-N

Graduate Advisor Michele Paludi

The Hunter College Psychology Program spans the diverse areas of psychology from clinical, social and developmental to experimental psychology, ethology and biopsychology.

The faculty and facilities of the CUNY Doctoral Program in Biopsychology are an integral part of the Hunter College Psychology Program and offer our undergraduate students opportunities not otherwise available.

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 mentors as part of our independent study and honors programs.

The psychology major, as part of the bachelor's degree program, prepares the student for many possibilities in education, social and welfare services, health services, and industry. The psychology major also fulfills the course requirements of most psychology graduate programs.

A background in psychology combined with special training in other disciplines within the College 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.



There is a broad range of research and applied opportunities within the department in developmental psychology, social psychology, adjustment, animal behavior, physiological psychology, etc. Departmental affiliations with mental health and community organizations make it possible for students to integrate their academic studies of personality, abnormal, and child psychology with supervised practical experience during field placement. Undergraduates also have the opportunity to join the biopsychology faculty in research within the department involving a wide range of animal species.

Our doctoral program in biopsychology and our master's program in general psychology provide course concentration in a number of different areas within psychology, and offer opportunities for undergraduates to interact with graduate students. Qualified students in their senior year may be admitted to some graduate courses with the approval of the instructor and the department advisor.

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 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 in the Department of Psychology (x5678) or (5610).

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.

Course Access Codes

Students must fulfill developmental course requirements before taking many introductory and most advanced courses at Hunter College. Codes DX, DW, DM, and DP apply to all PSYCH courses. ENGL 120 is also prerequisite to all 300- and 400-level PSYCH courses. These restrictions may be waived by special permission of the department. For an explanation of the codes see pages 26-27 in this catalogue.

Distribution Requirement

We suggest, but do not require, that students who intend to continue the study of psychology on the doctoral level elect French, Spanish, German, or Russian 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.

College regulations state that a course used to satisfy the requirements for a major (e.g. Psych 100) cannot also be used to satisfy the distribution requirement.

Exemptions

A student may be exempt from PSYCH 100 by passing an examination College Level Education Program (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 2 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

Note: Before reading the course descriptions that follow, please refer to the paragraph on course access codes (e.g., DX, DW) in this section.

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 instr. 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. 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 instr. 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 instr. 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 instr. 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 instr. 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 instr. 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 instr. 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 instr. 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 instr. 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 instr. 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 instr. 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 instr. 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 instr. 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 instr. 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 instr. 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 instr. 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 instr. Readings and discus-

sion on selected problem or topic area. Topics vary from semester to semester.

Religion

Program Office West Building room 1241, phone 772-4986

Director Barbara Sproul

Associate Professor Sproul

Assistant Professor Gorman

Coordinating Committee Cuddihy (Sociology), Bram (Classical and Oriental Studies), Stambaugh (Philosophy), Richards (Black and Puerto Rican Studies), Welter (History), Sproul (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.

Course Access Codes Students must fulfill developmental course requirements before taking many introductory and most advanced courses at Hunter College. Codes DX and DW apply to all REL-prefix courses. See department listings from courses with prefixes other than REL. For an explanation of the codes see pages 26-27 in this catalogue.

Distribution Requirement The distribution requirement in humanities and the arts (Category V, Group 2) 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

Note: Before reading the course descriptions that follow, please refer to the paragraph on course access codes (e.g., DX, DW) in this section.

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 instr. 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 instr. 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 thinkers. 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 Religious Meaning of Death 3 hrs, 3 cr. Consideration of the meaning of death in major world religions.

REL 311 Women and Religion 3 hrs, 3 cr. An examination of the role of women and the concept of the feminine in world religions.

REL 312 Religion and Politics 3 hrs, 3 cr. The role of political ideology in the shaping of religious belief and theology's influence on politics in Western and non-Western traditions, both conservative and radical.

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 instr. 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 instr. 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 instr. 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 instr. 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 240 Introduction to the Old Testament 3 hrs, 3 cr. Survey of the books of the Old Testament, their forms, content, and cultural background. Introduction to the tools and methods of modern biblical criticism.

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 2 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.

REL 333 Christian Theology 3 hrs, 3 cr. An examination of key doctrines in Christian thought such as trinity, incarnation, existence of God, and grace.



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.

V. Related Courses

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

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

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.

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 Hebraic Folklore 3 hrs, 3 cr. Analysis and comparative study of folk beliefs, practices, and literature reflected in Hebrew Bible, apocryphal literature, and Rabbinic Aggada.

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 Hebraic Law 3 hrs, 3 cr. Historical and comparative study of Biblical and Rabbinic law.

Romance Languages

Department Office West Building room 1341, phone 772-5120

Chair Jeanine P. Plottel

Distinguished Professor Jiménez

University Professor Kneller

Professors Charney, Fratti, Gutierrez-Vega, Hortas, Hughes, Knapp, LeClerc, Plottel, Szogyi

Associate Professors Di Scipio, Hornoffor, Nebel, Nimetz, Pellicer, Przybos, Purczinsky, Sautman, Weil, Yúdice

Assistant Professors Conchado, Costa, Figueroa, González-Millán, Paynter, Perna,

Lecturers Chace, Spitzer

Advisors (French) Cecile Insdorf, (Italian) Giuseppe Di Scipio, (Spanish) Juan González-Millán

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 requirement. 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.

Course Access Codes Students must fulfill developmental course requirements before taking many introductory and most advanced courses at Hunter College. Codes DX and DW apply to FREN 241-262; ITAL 335-336; SPAN 241, 263, 264, and 313-321; and PORT 260. For an explanation of the codes see pages 26-27 in this catalogue.

Distribution Requirement

Category III

1. Students pursuing a new language will fulfill the language requirement in 4 college semesters by completing one of the following sequences:
 - a. French: FREN 101, 102, 201, and 202 or 103 and 203.
 - b. Italian: ITAL 101, 102, 201, and 202 or 103 and 203.
 - 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 or 102 and 203.
 - b. Italian: ITAL 102, 201, and 202 or 102 and 203.
 - c. Spanish: SPAN 102, 201, and 202 or 102 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 or 203.
 - b. Italian: ITAL 201 and 202 or 203.
 - 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 semester:
 - a. French: FREN 202.
 - b. Italian: ITAL 202.
 - c. Spanish: SPAN 202 or 208.

5. Students who have studied a language in high school for 4 years have fulfilled the language requirement.

6. Students who have a high school diploma in a foreign language from a foreign country have fulfilled the language requirement.

Category IV

Students may fulfill Part 2 of the literature requirement by taking 3 credits in literature written and studied in the original Italian, French, Spanish, or Portuguese or 3 credits in literature presented in English translation.

Category V

Students may fulfill Group 3 of the humanities and the arts requirement by taking 3 credits in culture and civilization in translation (FREN 241 or 242 or SPAN 241).

French Major (24 cr) FREN 341, 342, and 375; 15 credits from FREN 343, 344, 345, 346, 347, 348, 349, 350, 351, 353, 360, 361, 362, 363, 364, 365, and 491. Only 24 credits in 300- and 400-level courses are required, but 27 to 30 credits are recommended for students who wish to teach French.

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) SPAN 311 and 312 are required of all majors unless they are exempted by the departmental advisor. SPAN 341 is pre- or corequisite to all major literature courses and SPAN 342 is required of all majors. Other 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 wanting 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 Secondary School Teaching In cooperation with the Division of Programs in Education, the Department of Romance Languages offers courses that prepare students to meet certification requirements for the New York State Education Department and licensing requirements for the New York City Board of Education. Students should consult the Education section of this catalog for education course requirements for secondary education. The student must also take one 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 Italian in Secondary School (department prereq: ITAL 311, 331; department coreq: ITAL 312 or 321).

EDUC 374 Methods of Teaching Spanish in Secondary School (department prereq: SPAN 311, 331; department coreq: SPAN 312, 335, or SPAN 336).

Preparation for Elementary School Teaching Students are urged to take advanced grammar and advanced composition courses (311 and 312) listed among the various Romance languages. Students should also consult the Education section of this catalog for education course requirements for certification for elementary school teaching.

Credit One-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 the departmental advisor. Departmental honors will be conferred upon a recommendation from the Committee on Honors. Students must present a substantial paper of at least 7,000 typewritten words in one of the 3 Romance languages (their language of specialization). Consult the department for further information.

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 the Graduate Catalogue for requirements and regulations.

COURSE LISTINGS

Note: Before reading the course descriptions that follow, please refer to the paragraph on course access codes (e.g., DX, DW) in this section.

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.

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.

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.

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, Lautreamont, 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 on 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. Prereq: 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.

* Courses so marked are not credited toward the major or minor.

** Courses so marked are not credited toward major.

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.

FREN 312 French Oral and Written Expression 3 hrs, 3 cr. Prereq: FREN 202 or equiv.

FREN 321 French Translation 3 hrs, 3 cr. Prereq: FREN 202 or equiv.

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. Geography, history, and institutions of France.

FREN 341 Survey of French Literature from the Middle Ages to the end of the 17th century. 3 hrs, 3 cr. Prereq: FREN 202 or 4 yrs of high school French.

FREN 342 Survey of French Literature from the 18th century to the modern period. 3 hrs, 3 cr. Prereq: FREN 202 or 4 yrs of high school French.

FREN 341 AND 342 ARE PREREQUISITE TO ALL COURSES NUMBERED 343 AND ABOVE

FREN 343 Medieval and Renaissance French Literature 3 hrs, 3 cr. From medieval epics, lyrical poetry, and mystery plays to writers such as Sceve, Du Bellay, Ronsard, Rabelais and Montaigne.

FREN 344 17th-century French Literature 3 hrs, 3 cr. Such authors as Boileau, Bossuet, Corneille, Cyrano de Bergerac, La Bruyère, Mme de Lafayette, La Fontaine, Malherbe, Molière, Pascal, Racine, Mme de Sévigné, St-Simon.

FREN 346 18th-century French Literature 3 hrs, 3 cr. Such authors as Beaumarchais, Buffon, Chénier, the Encyclopedists, Diderot, Laclos, Marivaux, Montesquieu, Prevost, Rousseau, Sade, Voltaire.

FREN 348 19th-century French Literature (1800–1850) 3 hrs, 3 cr. Offered every year. Such authors as Balzac, Chateaubriand, Constant, Gautier, Hugo, Lamartine, Musset, Sand, Mme de Staël, Stendhal, Vigny.

FREN 349 19th-century French Literature (1850–1900) 3 hrs, 3 cr. Such authors as Barbey d'Aurevilly, Barrès, Baudelaire, Daudet, Flaubert, France, Huysmans, Leconte de Lisle, Mallarmé, Maupassant, Renan, Rimbaud, Sainte-Beuve, Taine, Verlaine, Villiers de l'Isle-Adam, Zola.

FREN 350 20th-century French Literature to 1930 3 hrs, 3 cr. Such authors as Apollinaire, Aragon, Breton, Claudel, Cocteau, Colette, Eluard, Gide, Giraudoux, Péguy, Proust, Romain, Valéry.

FREN 351 20th-century French Literature from 1930 to the Present 3 hrs, 3 cr. Such authors as Beauvoir, Beckett, Camus, Céline, Duras, Genêt, Ionesco, Malraux, Mauriac, Perec, Robbe-Grillet, Sarraute, Sartre, Simon.

FREN 353 Haitian & Afro-French Literature 3 hrs, 3 cr. Writers of francophone Africa and Antilles: Camara Laye, Léopold Senghor, Birago Diop, Ferdinand Oyono, Aimé Césaire, Bernard Dadié, Mongo Beti, and Cheikh Hamidou Kane.

FREN 360 French Literature: Special Topics 3 hrs, 3 cr.

FREN 361 Middle Ages and the Renaissance: Special Topics 3 hrs, 3 cr.

FREN 362 The 17th Century: Special Topics 3 hrs, 3 cr.

FREN 363 The 18th Century: Special Topics 3 hrs, 3 cr.

FREN 364 The 19th Century: Special Topics 3 hrs, 3 cr.

FREN 365 The 20th Century: Special Topics 3 hrs, 3 cr.

Topics to be offered may include single authors, themes, genres, movements, or approaches.

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. 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. 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.

ITAL 201 Intermediate Italian II 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 1 semester material normally covered in 2.

ITAL 221 Italian for Oral Communication** 3 hrs, 3 cr. Prereq: ITAL 202 or dept. perm. **but recommended for majors and minors. A highly interactive course developing oral communication skills in Italian; includes practice in the written language and the study of culture.

ITAL 275 Masterpieces of Italian Literature** 3 hrs, 3 cr. Prereq: ITAL 202 or 4 yrs of high school Italian. Selections from Dante to Leopardi.

ITAL 311 Advanced Italian Grammar 3 hrs, 3 cr. Prereq: ITAL 202 or equiv.

ITAL 312 Advanced Italian Composition 3 hrs, 3 cr. Prereq: ITAL 311 or equiv.

ITAL 321 Italian Translation 3 hrs, 3 cr. Prereq: ITAL 311 or equiv.

ITAL 331 Italian Phonetics and Diction 3 hrs, 3 cr. Prereq: ITAL 202 or equiv.

ITAL 335 Italian Culture I 3 hrs, 3 cr. Prereq: ITAL 202 or 4 yrs of high school Italian. 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. 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.

ITAL 342 Survey of Italian Literature II 3 hrs, 3 cr. Prereq: ITAL 202. Selections from Tasso to contemporary works.

ITAL 343 Dante I 3 hrs, 3 cr. Prereq: ITAL 202 or 4 yrs of high school Italian. *The Inferno*.

ITAL 344 Dante II 3 hrs, 3 cr. Prereq: ITAL 343. *Purgatorio* and introduction to *Paradiso*.

ITAL 345 Dante III 3 hrs, 3 cr. Prereq: ITAL 344. *Vita Nuova* and principal prose works.

ITAL 346 Petrarch and Boccaccio and the Literature of Humanism 3 hrs, 3 cr. Prereq: ITAL 335. *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. Tasso, Marino, Della Valle, poets of the Arcadia.

ITAL 349 The Modern Italian Lyric 3 hrs, 3 cr. Prereq: ITAL 202. From Leopardi to contemporaries.

ITAL 350 The Modern Italian Novel 3 hrs, 3 cr. Prereq: ITAL 202. Novel from Manzoni to present.

ITAL 351 The Modern Italian Theatre 3 hrs, 3 cr. Prereq: ITAL 202. Plays of Goldoni, Manzoni, Alfieri, d'Annunzio, Pirandello, Betti, and contemporaries.

ITAL 375 Seminar in Italian Literary History 3 hrs, 3 cr. Required of all Italian majors, except by special exemption through examination. 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

Spanish Courses Taught in English

These courses are designed for students who want to become acquainted with Spanish culture. They cannot be credited toward the major and are not recommended for the minor.

SPAN 241 Civilization of Spain, in English* 3 hrs, 3 cr. An integrated presentation of Spanish civilization, combining historical with literary and other cultural aspects.

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.

First-Level Courses

First-level courses offer 2 approaches to the language: Spanish for English speakers (SPAN 101, 102, 201, 202 or intensive SPAN 103 and 203) or Spanish for native speakers (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 credited toward language requirement. 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.

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.

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.

Second-Level Courses

Second-level courses are recommended for students who want to attain fluency for further studies in Spanish. They are excellent choices for those minoring in Spanish or preparing to major in Spanish literature.

SPAN 211 Spanish Grammar and Composition 3 hrs, 3 cr. Prereq: SPAN 202 or 203. Not recommended for fluent speakers of Spanish. Study of grammatical and syntactical patterns. Practice in reading, writing, and speaking Spanish.

SPAN 212 Spanish for Classroom Communication 3 hrs, 3 cr. Prereq: SPAN 201 or equiv.

SPAN 221 Spanish for Oral Communication 3 hrs, 3 cr. Prereq: SPAN 202 or equiv and approval of Spanish advisor. Not recommended for fluent Spanish speakers.

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. 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. Representative writers: Borges, Neruda, Cortazar, Garcia Marquez.

Spanish Writing Sequence

SPAN 311-315 are designed to prepare students to write professionally. SPAN 311 and 312 are required for all Spanish majors and recommended for other qualified students who have completed first-level courses.

SPAN 311 The Structure of Modern Spanish 3 hrs, 3 cr. Prereq: SPAN 202, 203, 208, or equiv. Descriptive study of the structure of the Spanish language. Morphosyntactical analysis. Required of all Spanish majors unless exempted by departmental advisor.

SPAN 312 Advanced Spanish Writing 3 hrs, 3 cr. Prereq: SPAN 311 or equiv. Applying morphosyntactical patterns through intensive composition. Exploration of various writing forms. Required of all Spanish majors.

SPAN 313 Spanish Stylistics 3 hrs, 3 cr. Prereq: ENGL 120; SPAN 311, 312, 341, 342. Practice in Spanish writing through stylistic analysis of poetic and narrative structures and the relationship of text and context.

SPAN 314 Spanish Writing Workshop I: Poetry 3 hrs, 3 cr. Prereq: ENGL 120; SPAN 311, 312, 313, 341, 342. Creative self-expression in Spanish through writing poetry.

SPAN 315 Spanish Writing Workshop II: Narrative 3 hrs, 3 cr. Prereq: ENGL 120; SPAN 311, 312, 313, 341, 342. Creative self-expression in Spanish through writing narrative.

SPAN 321 Spanish Translation 3 hrs, 3 cr. Prereq: fluency in reading and writing Spanish and English.

SPAN 331 Spanish Phonetics and Diction 3 hrs, 3 cr. Prereq: SPAN 202 or equiv.

SPAN 335 Spanish Civilization 3 hrs, 3 cr. Prereq: SPAN 341. Geographical, historical, political, literary, artistic, and industrial evolution of Spain. Given in Spanish. *Highly recommended.*

SPAN 336 Latin American Civilization 3 hrs, 3 cr. Prereq: SPAN 341. Geographical, historical, political, literary, artistic, and economic evolution of Latin American nations. Given in Spanish. *Highly recommended.*

Third-Level Courses

Third-level courses are designed for students who want to major in Spanish literature or are highly qualified and are accepted by the Spanish advisor.

SPAN 341 Introduction to Hispanic Literature I 3 hrs, 3 cr. Pre- or coreq: SPAN 311 or perm instr. 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; coreq: SPAN 312.

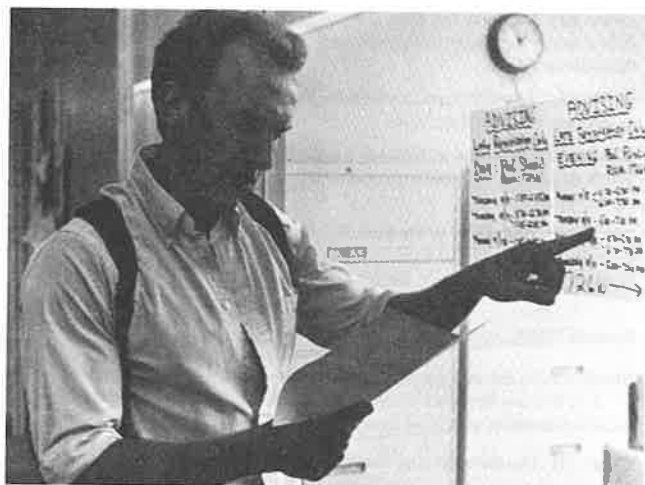
The Literature of Spain

SPAN 343 Spanish Literature of the Middle Ages 3 hrs, 3 cr. Prereq: SPAN 341. Epic and lyric poetry, *Romancero*; origins of Spanish novel, *La Celestina*.

SPAN 345 Spanish Drama of Golden Age 3 hrs, 3 cr. Prereq: SPAN 341. Theatre of 16th and 17th centuries, Lope de Vega and Calderón.

* Courses so marked are not credited toward the major or minor.

** Courses so marked are not credited toward major.



SPAN 346 Cervantes 3 hrs, 3 cr. Prereq: SPAN 341. E/Fa. *Don Quijote*.

SPAN 349 Spanish Novel and Lyric Poetry of the Golden Age 3 hrs, 3 cr. Prereq: SPAN 341. Lyric poetry of Renaissance and Baroque periods. Picaresque, Pastoral and Moorish novel. Mystics; *novelas ejemplares* of Cervantes.

SPAN 353 Spanish Neoclassicism and Romanticism 3 hrs, 3 cr. Prereq: SPAN 341. Representative works of Neoclassical and Romantic periods, including *costumbrismo*.

SPAN 355 Spanish Literature from Realism to World War I 3 hrs, 3 cr. Prereq: SPAN 341. From Realism and Naturalism through the Generation of 1898 and Modernism.

SPAN 357 Early 20th-century Spanish Literature 3 hrs, 3 cr. Prereq: SPAN 341. Presentation of the major writers and works of the first 40 years of 20th-century Spanish literature.

SPAN 358 Post-Civil War Spanish Literature 3 hrs, 3 cr. Major trends and writers since the Spanish Civil War, with particular attention to the social, cultural, and political context.

The Literature of Latin America

SPAN 360 Spanish-American Literature of the Colonial Period 3 hrs, 3 cr. Prereq: SPAN 341. Masterpieces from the 16th to the late 18th centuries; from the age of exploration to the period of independence.

SPAN 362 Spanish-American Romanticism, Realism, and Naturalism 3 hrs, 3 cr. Prereq: SPAN 341. Representative works of 19th-century Spanish-American literature.

SPAN 364 Spanish-American Modernism and Postmodernism 3 hrs, 3 cr. Prereq: SPAN 341 and 347 or 348. Modernist and Postmodernist authors.

SPAN 365 Survey of Spanish-American Teatro 3 hrs, 3 cr. Prereq: SPAN 341. Survey of major trends in Spanish-American dramatic literature from colonial days to the present, with emphasis on the second half of the 20th century.

SPAN 366 20th-century Latin American Poetry 3 hrs, 3 cr. Prereq: SPAN 341. Major trends, such as Vanguardia, Brazilian Modernismo, Caribbean poetry, Anti-Poetry, Exteriorismo, and popular poetry.

SPAN 367 Latin American Essay 3 hrs, 3 cr. Prereq: SPAN 341. Exploration of the essay as an aesthetic form and its role in the social and cultural struggles that have marked Latin-American history.

SPAN 368 20th-century Latin American Narrative 3 hrs, 3 cr. Prereq: SPAN 341. Major trends, such as the Indianist novel, Mexican Revolution, social and psychological realism, novel of the "Boom," novel of the dictator.

Special Topics and Honors

SPAN 370 Special Topics in Spanish Literature 3 hrs, 3 cr. Prereq: SPAN 347 or 348. May be repeated with different topic.

SPAN 371 Special Topics in Spanish-American Literature 3 hrs, 3 cr. Prereq: SPAN 347 or 348. May be repeated with different topic.

SPAN 373 Problems in Criticism 3 hrs, 3 cr. Prereq: SPAN 341. Major trends in contemporary literary theory and criticism.

SPAN 375 Seminar in Spanish Literary History 3 hrs, 3 cr. Recommended for seniors. 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. 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. 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.

PORT 102 Elementary Portuguese II 3 hrs, 3 cr. Language lab. Prereq: PORT 101 or 1 yr of high school Portuguese.

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

Division Head Alex E. Alexander

Professors Alexander, Beaujour

Assistant Professor Draitser

Advisors (day) Elizabeth Beaujour, Emil Draitser (evening) Alex E. Alexander

The Russian division of the Department of Classical and Oriental Studies offers a rich curriculum designed for students who seek competence in spoken and written Russian and a solid background in and knowledge of Russian literature and culture. The Russian division also offers a number of courses in 2 related Slavic languages, Polish and Ukrainian.

Courses in the division are recommended to students from other disciplines who want 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.

Course Access Codes Students must fulfill developmental course requirements before taking many introductory and most advanced courses at Hunter College. Codes DR, DX, DL, DY apply

to RUSS 157; Codes DL, DY, apply to RUSS 255; Codes DR, DX, DL, DY, and DW apply to RUSS 250-254 and RUSS 256-259. See pages 26-27 in this catalogue.

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) may be fulfilled by the following sequence of courses:

RUSS 101-102 or 103, 201, 202 *or*
POL 101-102, 201, 202 *or*
UKR 101-102, 201, 202.

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 literature requirement (Category IV, Part 2) may be fulfilled by literature courses in Russian as well as in English translation. The requirement for humanities and the arts (Category V, Group 3) may be fulfilled by RUSS 155, 156, 157, or 255.

Major The Russian major consists of no fewer than 24 credits chosen 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 No fewer 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 for qualifying for New York State certification and/or New York City licensing are described in the Education section of this catalogue.

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

Note: Before reading the course descriptions that follow, please refer to the paragraph on course access codes (e.g., DX, DW) in this section.

I. Russian Language

RUSS 101, 102 Elementary Russian 2 sems, 3 hrs, 3 cr each sem. Introduction to Russian language. Practice in spoken Russian. Reading of simple texts. RUSS 101 not credited without RUSS 102.

RUSS 103 Elementary Russian (Intensive) 6 hrs, 6 cr. Intensive study of the Russian language. Two semesters in 1.

RUSS 201 Intermediate Russian I 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 II 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 Brothers Karamazov*, and others.

RUSS 342 Modern Russian Literature* 3 hrs, 3 cr. Gorky, Mayakovsky, Olesha, Babel, Sholokhov, Bulgakov, Nabokov, et al.

RUSS 343 Russian and Soviet Drama* 3 hrs, 3 cr. Development of Russian drama and theatre from early 19th century to present. Griboedov, Pushkin, Gogol, Chekhov, 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.

* Courses so marked require RUSS 202 or the equivalent as prerequisite.



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*, Turgenev's *Fathers and Sons*, and others.

RUSS 251 Tolstoy and Dostoevsky in English Translation 3 hrs, 3 cr. Major novels of Russia's 2 greatest writers. Tolstoy's *War and Peace*, *Anna Karenina*, Dostoevsky's *The Brothers Karamazov*, and others.

RUSS 252 Modern Russian Literature in English Translation 3 hrs, 3 cr. Gorky, Mayakovsky, Olesha, Babel, Sholokhov, Bulgakov, Nabokov, et al.

RUSS 253 Russian and Soviet Drama in English Translation 3 hrs, 3 cr. Development of Russian drama and theatre from early 19th century to present. Griboedov, Chekhov, 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. Prereq: ENGL 120. 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.

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 I 3 hrs, 3 cr. Prereq: POL 102.

POL 202 Intermediate Polish II 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 I 3 hrs, 3 cr. Prereq: UKR 102.

UKR 202 Intermediate Ukrainian II 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.

Sociology

Department Office West Building room 1622, phone 772-5587

Chair Pamela Stone

Professors Cuddihy, Gottdiener, Hammond, Kuechler, Perinbanayagam, Ringer, Scott, Sidel

Associate Professors Green, Kroeger, Lazreg, Mueller, Nahirny, Poppendieck, Stone, Tuckel, Wood

Assistant Professors Arendell, Carter, Schlesinger,

Advisors (day) Charles Green (evening) Robert Perinbanayagam (BA/MS Program) Michael Wood

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.

Course Access Codes Students must fulfill developmental course requirements before taking many introductory and most advanced courses at Hunter College. Code DR applies to all SOC courses; in addition, code DM applies to SOC 241 and 341 and code DW applies to all 400-level SOC courses. For an explanation of the codes see pages 26–27 in this catalogue.

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 4 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.

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 Institute 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, 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 catalogue. 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.

Independent Study Students may pursue independent study through SOC 371 and 372 (Readings in Sociology), or SOC 471 and 472 (Honors Independent Study). These options allow students to initiate and carry out a course of study of their own choosing under the guidance of a faculty sponsor. Students should have a topic and a general plan of study in mind before seeking faculty sponsorship, although advisors are happy to discuss independent study options.

Honors In order to graduate with departmental honors in sociology, students must have a 3.0 GPA overall and a 3.5 GPA in sociology and must complete either an Honors Seminar (SOC 473 or 474) or an Honors Independent Study (SOC 471 or 472). Students whose GPAs are within this range are urged to consult the advisors before planning their senior year programs of study since honors seminars are generally offered only once per year. In addition, students with overall GPAs of at least 2.8 and GPAs of 3.0 in the sociology major are eligible for membership in AKD, the International Sociology Honor Society. See advisors for more information.

Preparation for Research Careers Students interested in careers in research-related fields such as policy analysis and evaluation, marketing research, advertising, consumer behavior, and public opinion polling, as well as students who are contemplating graduate study in sociology, are encouraged to gain research experience through selected coursework and independent research carried out under faculty supervision. In addition to SOC 241 and 341, which are required for the major, students interested in research should consider selecting electives from the following: SOC 259, 311, 313, 363, and 441.

Preparation for Social Work Students interested in careers in social work or other human services are strongly encouraged to take the field placement seminar SOC 331/332, preferably during their junior year. This course provides supervised field experience

in a social agency. In addition, students interested in social work should consider selecting electives from the following: SOC 231, 235, 237, and 239.

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 want 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 social science component and minor requirements. 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 catalogue for course listings.

COURSE LISTINGS

Note: Before reading the course descriptions that follow, please refer to the paragraph on course access codes (e.g., DX, DW) in this section.

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. Prereq: SOC 101 or perm instr. Family functions and interaction. Factors affecting stability and instability.

SOC 203 Sociology of Education 3 hrs, 3 cr. Prereq: SOC 101 or perm instr. 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 instr. 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 instr. 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. Prereq: SOC 101 or perm instr. 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 instr. Factors determining the size and location of human settlements.

SOC 213 Political Sociology 3 hrs, 3 cr. Prereq: SOC 101 or perm instr. 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 instr. 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 instr. 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 instr. 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 instr. Classical theorists and their contributions.

SOC 223 Current Sociological Theory 3 hrs, 3 cr. Prereq: SOC 101 or perm instr. 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 instr. Reading, discussion, and papers on significant problems in sociology.

SOC 231 Introduction to Social Work Profession 3 hrs, 3 cr. Prereq: SOC 101 or perm instr. 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 instr. Evaluation of specific local and national action programs.

SOC 237 Social Welfare 3 hrs, 3 cr. Prereq: SOC 101 or perm instr. 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 instr. Children's rights. Care of dependent children in foster homes or institutions.

SOC 241 Social Statistics 3 hrs, 3 cr. Prereq: SOC 101 or perm instr. Application of elementary statistical techniques. Introduction to statistical inference and sampling theory.

SOC 251 Interpersonal Behavior 3 hrs, 3 cr. Prereq: SOC 101 or perm instr. Social interaction guided by mutual expectations.

SOC 253 Deviant Behavior and Social Control 3 hrs, 3 cr. Prereq: SOC 101 or perm instr. Theories of causation and analysis of particular types of deviance—sexual, criminal, political.

SOC 255 Sociology of Youth and Adulthood 3 hrs, 3 cr. Prereq: SOC 101 or perm instr. Youth and adult modes of adaptation, socialization, intergenerational relations, and career possibilities.

SOC 257 Sex and Gender Roles 3 hrs, 3 cr. Prereq: SOC 101 or perm instr. Sex role differentiation: femininity, masculinity, marriage, child rearing.

SOC 259 Mass Communication and Public Opinion 3 hrs, 3 cr. Prereq: SOC 101 or perm instr. 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 instr. Social and cultural factors related to health. Organization of health care services, social structure of the hospital.

SOC 307 Sociology of Migration 3 hrs, 3 cr. Prereq: SOC 101 or perm instr. An analysis of the intrinsic and extrinsic social factors affecting domestic and international migration.

SOC 309 Collective Behavior and Social Movements 3 hrs, 3 cr. Prereq: SOC 101 or perm instr. 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 instr. Comparative analysis of fertility, mortality, migration trends, and related social factors.

SOC 313 Consumer Behavior 3 hrs, 3 cr. Prereq: SOC 101 or perm instr. Role of consumer and development of consumer movements.

SOC 315 Industrial Sociology 3 hrs, 3 cr. Prereq: SOC 101 or perm instr. 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 instr. Theories of inequality: economic power and prestige. Social mobility.

SOC 319 Criminology 3 hrs, 3 cr. Prereq: SOC 101 or perm instr. 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 instr. Reading, discussion, and papers on significant problems in sociology.

SOC 331, 332 Field Placement and Independent Study 4 cr each. Prereq: perm instr. 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 345 Sociology of Knowledge, Science & Technology 3 hrs, 3 cr. Prereq: SOC 101 or perm instr. Systematic analysis of the social basis of knowledge, with particular reference to scientific knowledge.

SOC 351 Intra-Group and Inter-Group Relations 3 hrs, 3 cr. Prereq: SOC 101 or perm instr. 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 instr. 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 instr. Process of development of institutions, communities, and nations.

SOC 371, 372 Readings in Sociology 3 cr each sem. Prereq: perm instr. 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 instr. Organization, structure, and processes; relationship between individual and organization.

SOC 425 Seminar in Selected Problems of Sociology 3 hrs, 3 cr. Prereq: perm instr. 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 instr. 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 instr. Independent research under direction of member of department. Honors paper.

SOC 473-474 Honors Seminar 3 cr each sem. Prereq: perm instr. Honors paper.

Theatre and Film

Department Office North Building room 336, phone 772-5148

Chair Arnold Aronson

Professors Aronson, Calderon, Leaming, Rutenberg, Seiger, Sternberg, Wilson

Associate Professors Felner, Koetting, Lines, Zuker

Assistant Professors Aison, Sumter, Tomkins

Advisors (day) Patricia Sternberg (evening) Joel Zuker

The disciplines of study in this department are concerned with the nature of the art form of dramatic narrative as it relates to performance on stage and screen. The department's approach to theatre and film is both creative and analytical. Because television is closely related to theatre as well as to film, the department also offers courses in dramatic television.

In each of these areas, the department offers courses in practical, historical, and theoretical studies. In theatre, courses include playwriting, acting, directing, design, production, children's theatre and creative drama. In film, courses include screenwriting, directing, producing, cinematography, editing, and production. Students in both theatre and film may take courses in dramatic television.

The department also examines the theoretical, critical, and historical aspects of theatre and film. Each discipline is studied from an historical perspective as a reflection of society.

A broad education in the disciplines of theatre and film is essential for students hoping to pursue careers in these fields. Students in each of these areas are required to study production techniques as well as the history, theory, and criticism of these art forms. Major sequences are planned with an emphasis on professional standards.

Many students who graduate from the film program move into the profession as filmmakers, writers, videographers, producers, or editors as well as into television. Students who graduate from the theatre program work as actors, stage managers and designers, and later as directors. Some continue their creative work in conservatories. Others continue their studies in graduate programs in history, theory, and criticism leading to an MA and/or a PhD. Graduates who concentrate in developmental drama frequently enter the field as teachers and directors of theatre in education and/or as creative drama specialists.

The department maintains associations with major theatre, film, and television institutions. Many students are placed with these and other professional groups through the Inservice Learning Program of the College.

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 major sequences of study in the department lead to the Bachelor of Arts degree.

Course Access Codes Students must fulfill developmental course requirements before taking many introductory and most advanced courses at Hunter College. Code DR applies to THEA 187; codes DR and DL apply to THEA 170 and FILM 192; codes DX and DY apply to THEA 172 and FILM 191; Codes DX, DM, and DP apply to THEA 292; and codes DX and DW apply to all other THEA, FILM, and TELE courses. For an explanation of the codes see pages 26-27 in this catalogue.

Distribution Requirement No more than 3 credits of the minor may be offered toward the distribution requirement. Students planning graduate study should be aware that one or more foreign languages are desirable. The requirement for humanities and the arts (Category V, Group 1) may be fulfilled by THEA 171 or FILM 120.

Major Students may choose one of 5 major programs:

1. **Combined Major in Theatre and Film** (24 cr) All students must take THEA 270, 271, 372, 373; FILM 120, 220, 230, 240.
2. **Major in Theatre Arts** (24 cr) All students must take THEA 261; 270 or 271; 290; 372 or 373 (totaling 12 cr). In addition, they must earn 12 cr, chosen with advisement, from one of the 5 concentrations listed below.
3. **Major in Theatre** (42 cr) All students must take THEA 261, 270, 271, 290, 291, 292, 364, 372, 373 (totaling 27 cr). In addition, they must earn 15 cr, chosen with advisement, from one of the 5 concentrations listed below.

Areas of Concentration for Theatre Arts and Theatre

Developmental Drama THEA 250, 251, 252, 350, 351, 379

History, Theory, and Criticism THEA 275, 297, 374, 375, 379, 397, and/or courses in dramatic literature from the Departments of Classical and Oriental Studies, English, German, and Romance Languages

Acting THEA 262, 263, 361, 362, 364, 388, 394

Directing THEA 262, 364, 365, 374, 375, 388

Design/Production THEA 374, 388, 391, 393, 395, 396, 397

4. **Major in Film Production** (42 cr) All students must take TELE 110, FILM 191, 220, 230, 294, 295, 340, 370 (totaling 24 cr). In addition, they must earn 18 cr from FILM and TELE courses (6 of the 18 cr may be chosen from Cinema Studies at the 200 level or higher and TELE 220). FILM 498, Inservice Learning Program, does not count toward the major.

5. **Major in Cinema Studies** (42 cr) All students must take FILM 220, 230, 294, 332, 340, 402 (totaling 18 cr). In addition, they must earn 24 cr chosen from FILM and TELE courses at the 200 level or higher, and from THEA 270, 271, 372, and 373 (6 of the 24 cr may be in FILM and/or TELE Production). FILM 498, Inservice Learning Program, does not count toward the major.

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 catalogue. 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

Note: Before reading the course descriptions that follow, please refer to the paragraph on course access codes (e.g., DX, DW) in this section.

THEATRE

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. 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 4 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. 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. Background and development, present practice, and future possibilities of black theatre in America.

THEA 287 Theatre Practice 5 hrs, 2 cr. Prereq: perm instr. 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.

THEA 294 Makeup for the Stage 5 hrs, 3 cr. Prereq: THEA 171. Offered D/Fa. Practical instruction in use of stage makeup.

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 instr. 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 instr. 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 instr. 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 playwriting.

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 instr. 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 365 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 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/VIDEO

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 instr. 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 instr. Offered D. Individual student films produced under faculty supervision.

FILM 402 Advanced Seminar 3 hrs, 3 cr. Perm instr. 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/TELEVISION ARTS

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

Associate Professors Birch, Moses

Assistant Professors Blanco, Johnston, Milczarski, Shipp

Advisor Stanley Moses

Director of Internships Elaine M. Walsh

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 fieldwork 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.

Course Access Codes Students must fulfill developmental course requirements before taking many introductory and most advanced courses at Hunter College. Codes DR and DL apply to all 100-level URBS courses; codes DX and DY apply to 200-level URBS courses; codes DX, DW, DM, and DP apply to all 300-level URBS courses; codes DX, DM, and DP as well as ENGL 120 apply to all 400-level courses. For an explanation of the codes see pages 26-27 in this catalogue.

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 or senior years to become Public Service Scholars. All Hunter students are eligible for this full-time, year-long program which includes an internship placement and 2 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 Department of Political Science.

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 *Urban Economics* (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

Note: Before reading the course descriptions that follow, please refer to the paragraph on course access codes (e.g., DX, DW) in this section.

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 instr. 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 instr. 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 instr. 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 instr. 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 instr. 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 instr. 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 instr. 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 Rosalind P. Petchesky

Policy Committee Alexander (English), Bain (Black & Puerto Rican Studies), Helly (History), Hune (Educational Foundations), Lazreg (Women's Studies/Sociology), Paludi (Psychology), Petchesky (Women's Studies/Political Science), Somerville (Political Science), Zalk (Educational Foundations), Zentella (Black & Puerto Rican Studies)

Advisors (day and evening) Rosalind Petchesky and staff

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 seeks 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—2 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 such as economics, psychology, sociology, or English. In such areas as health care, counseling, advertising, market research, publishing, teaching, or administrative work, 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.

Course Access Codes Students must fulfill developmental course requirements before taking many introductory and most advanced courses at Hunter College. The DR code applies for all WOMST courses. To determine access codes for other courses listed here consult the relevant departmental listings.

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 community service and other organizations that relate to the needs or concerns of women. Consult 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

Note: Before reading the course descriptions that follow, please refer to the paragraph on course access codes (e.g., DX, DW) in this section.

WOMST 100 Introduction to Women's Studies 3 hrs, 3 cr. Traditional definitions of women's nature in myth and symbol, media and popular culture, theories of gender in biology and psychology; women's role in family structures; women's relations to religion, education, health, work, and politics. 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 Third World, Women and Science, Women and Theater, and Family/Sexual Violence: Women of Color, Black Women in the Americas, Women and Development, Changing Roles of Women in China and Japan.

WOMST 211 Women in the Third World 3 hrs, 3 cr. Prereq: WOMST 100. Analyzes the various forms that gender inequality assumes in a number of Third World countries in Africa, Asia, and Latin America.

WOMST 251 Women and Health 3 hrs, 3 cr. Exploration of contemporary health issues of women; the development of modern medical practices and socialization of women.

WOMST 261 Women in Politics 3 hrs, 3 cr. Women's political roles, especially in social movements, conventional politics. Effects of public policy on women.

WOMST 262 Women, War and Peace 3 hrs, 3 cr. Prereq: WOMST 100 or perm. Roles that women have played as subjects and objects in war and peace.

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 351 Women and the Sciences: Myth and Realities 3 hrs, 3 cr. Explores the historical and contemporary role of women as scientists and how scientific theories have treated women as the objects of scientific investigation.

WOMST 384 Women and Media 3 hrs, 3 cr. Prereq: Comm 180 or perm. An historical and formal investigation of the ways that American women are represented by the mass media, how feminists have challenged and changed them.

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, since new courses are continually being added to the curriculum.

ANTHC 301 (WOMST 300.51) Sex and Gender in Anthropological Perspective
ANTHC 320.76 (WOMST 300.53) Language, Sex, and Gender

BLPR 290.66 The Black Family
BLPR 390.66 (WOMST 300.55) Puerto Rican and Hispanic Women

CLA 305 Women and Slaves in Classical Antiquity

ECO 295.50 Women in the Economy

EDFN 400.56 Asian Immigration in U.S.

ENGL 250.57 Women's Search for Self
ENGL 250.72 Women-Centered Literature
ENGL 250.80 (WOMST 200) Autobiographies of Black Women Literary Artists
ENGL 250.84 English Women Crime Writers
ENGL 385.55 Post-Colonial Narratives
ENGL 386.52 Images of Women in Film and Literature
ENGL 389.54 One Major Writer—Virginia Woolf
ENGL 389.67 One Major Writer—Toni Morrison

FREN 262 Perspectives of Women in French Literature

COMHE 324 Human Sexuality
COMHE 724 Family and Sexual Violence

HED 201.51 (WOMST 200.53) Women and Health

HIST 304 Women in Early European Society
HIST 341.78 Topics in British History—Culture, Gender and Empire
HIST 345 Women and Society in Victorian England
HIST 366 Role of Women in American History

MEDIA 384 (WOMST 300.52) Women and Media

MUSHL 261.76 (WOMST 200.67) Women & Music in World Cultures
MUSHL 360 (WOMST 300.65) Women in Music

PHILO 286 Feminism: Philosophical Theory and Practice

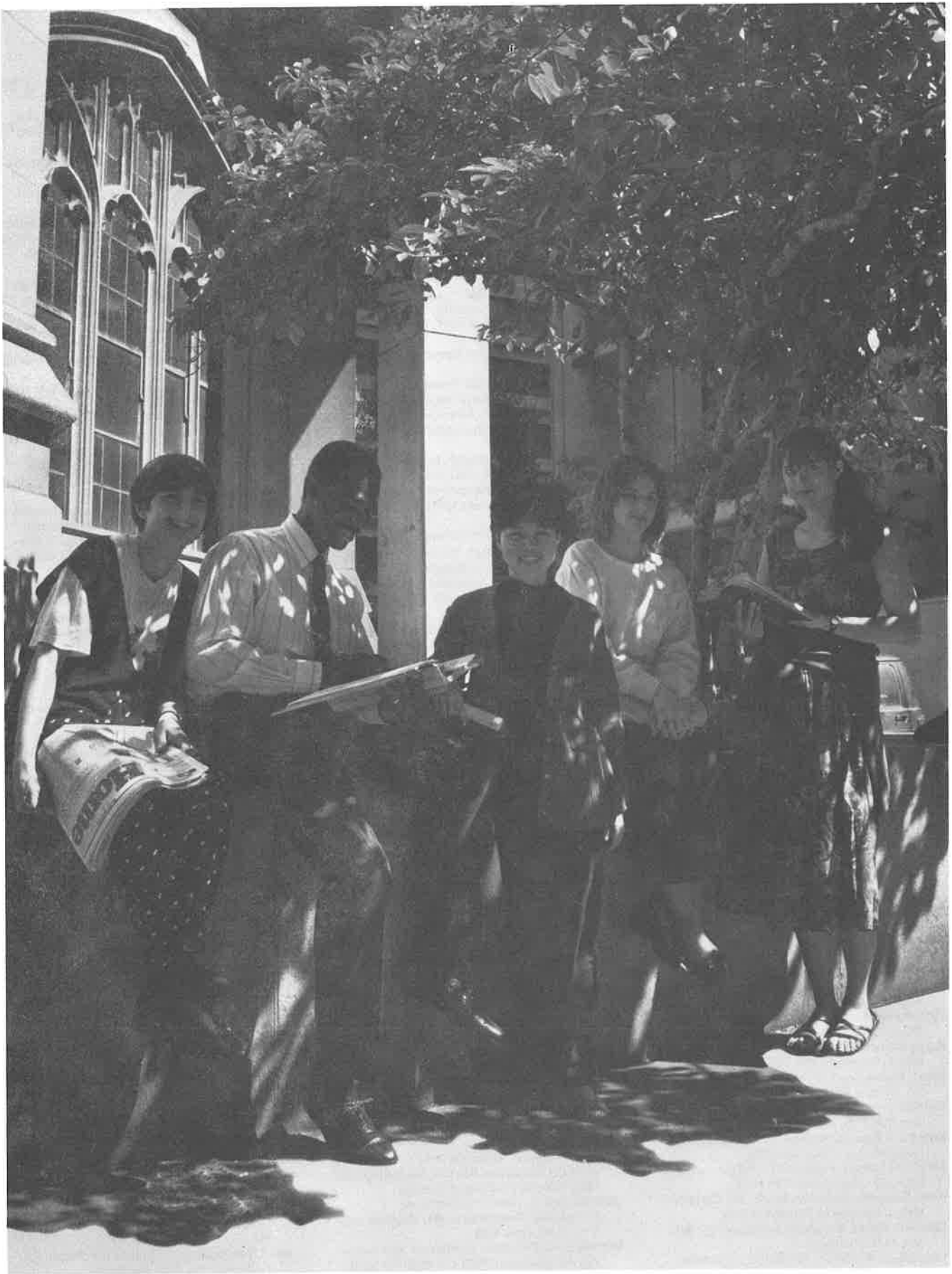
POLSC 204.51 (WOMST 200.60) Women in Political Thought
POLSC 217.72 (WOMST 200.54) Women, Crime, and Punishment
POLSC 218 (WOMST 200.56) Women and Politics
POLSC 219 (WOMST 200.55) Women and the Law
POLSC 272.75 (WOMST 200.64) Women, War, and Peace
POLSC 304.54 (WOMST 300.60) Feminist Political Theory
POLSC 482.52 The Politics of AIDS

PSYCH 170 Psychology of Human Sexuality
PSYCH 235 Psychology of Women
PSYCH 295 (WOMST 200.61) Women, Work, and Careers

REL 311 Women and Religion

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

Caroline M. Adkins, Associate Professor, Educational Foundations; BS, Rochester; MEd, Teachers College, Columbia; PhD, Columbia

William Agee, Professor, Art History; BA, Princeton; MA, Yale

Sean C. Ahearn, Assistant Professor, Geology & Geography; BS, SUNY-College of Environmental Science and Forestry; MS, PhD, Univ. of Wisconsin-Madison

Everett Aison, Assistant Professor, Theatre & Film; BFA, Syracuse

Alex E. Alexander, Professor, Russian; BA, CCNY; MA, PhD, Columbia

Meena Alexander, Associate Professor, English; BA, Khartoum Univ. (Sudan); PhD, Nottingham

Gloria Allen, Instructor, Academic Skills; BS, CCNY; MS, CCNY

Nicholas Anastasiow, Professor, Special Education; BA, California; PhD, Stanford

Ronnie Ancona, Assistant Professor, Classics; BA, MA, Univ. Washington; PhD, Ohio State

Gary R. Anderson, Assistant Professor, Social Work; BA, Grand Rapids Baptist; MSW, Michigan; PhD, Chicago

Ruth Anderson, Professor, Music; BA, MA, Washington

Arnold Aronson, Professor, Theatre & Film; BA, MA, PhD, NYU

Sara P. Aronson, Lecturer, Nursing; BSN, Hunter; MPH, Columbia

Yvonne Asamoah, Assistant Professor, Social Work; MSW, Columbia; PhD, Syracuse

Marilyn Auerbach, Assistant Professor, Health Sciences; BA, Emerson; AMLS, Michigan; DrPH, Columbia

Eija Ayravainen, Lecturer, Communications; BA, MA, Hunter

Alberto Balder, Professor, Mathematics and Statistics; Licentiate, Buenos Aires; PhD, MIT

Myrna Bain, Lecturer, Black & Puerto Rican Studies; BA, Hunter; MA, New School

Vivian Balaban, Instructor, Library; BS, CCNY; MSLS, Columbia

Edward R. Balboni, Associate Professor, Biological Sciences; BA, MA, Boston; PhD, Massachusetts

Miriam Balmuth, Professor, Curriculum & Teaching; BA, Brooklyn; MS, CCNY; PhD, NYU

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Richard Barickman, Associate Professor, English; AB, Washington; MA, PhD, Yale

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Ellis I. Barowsky, Professor, Special Education; BA, Harpur; PhD, CUNY

Gordon Barr, Professor, Psychology; BA, Dickinson; MA, PhD, Carnegie-Mellon

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- Arthur Goldzweig**, Professor, Library-Reference; MA, Columbia
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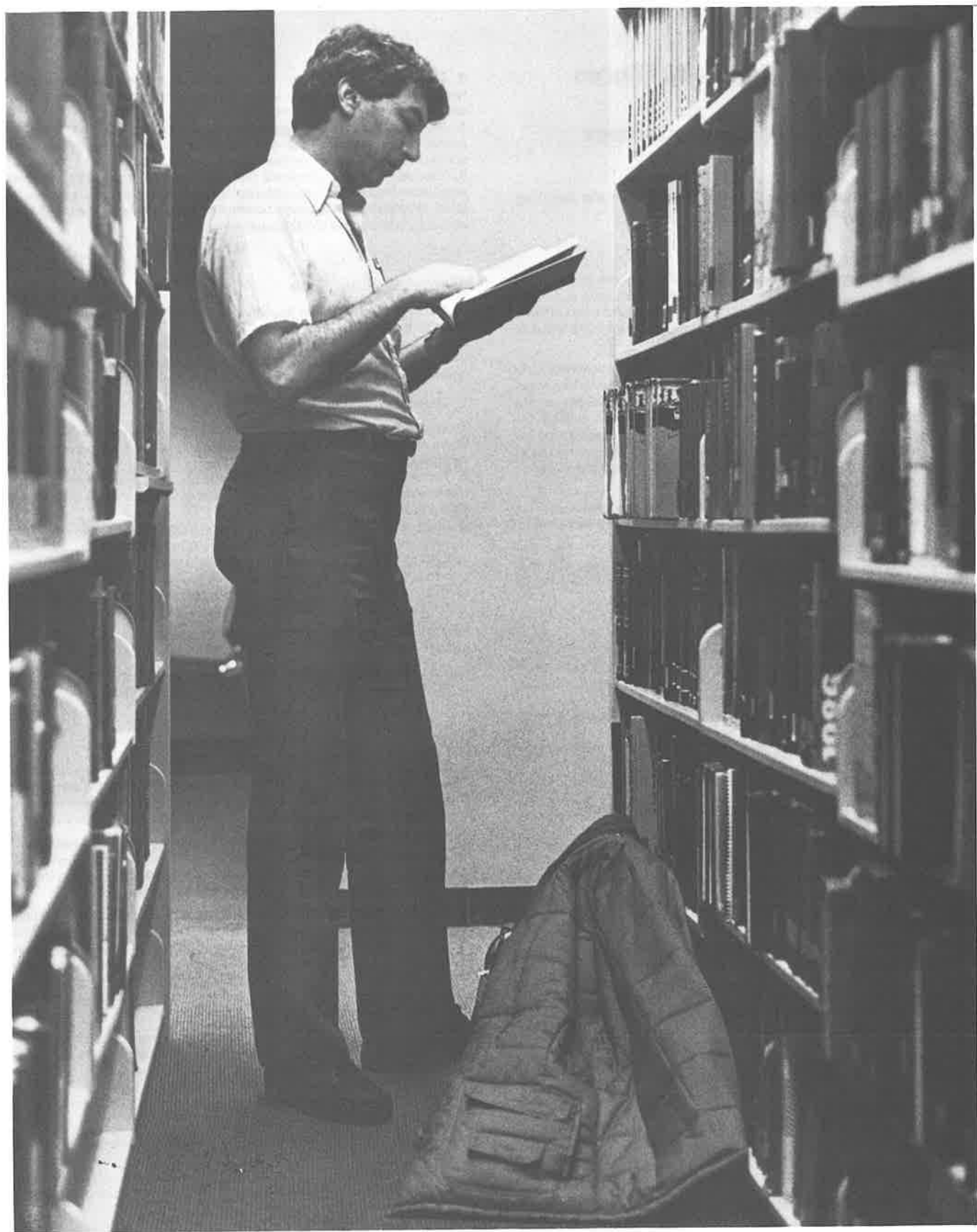
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Student Regulations and Rights

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.

RESOLVED, That these rules and regulations be incorporated in each college bulletin.

Adopted by the Board of Trustees of The City University of New York on June 23, 1969, and amended on October 27, 1980 and May 22, 1989

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.

EQUAL OPPORTUNITY PROGRAMS

Hunter College does not discriminate on the basis of race, color, religion, sex, national or ethnic origin, age, handicap, marital status, or sexual orientation. Any student who is discriminated against on the basis of any of these attributes will be afforded due process in accordance with Section 15.3 of the Student Disciplinary Procedure.

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 instruments 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.

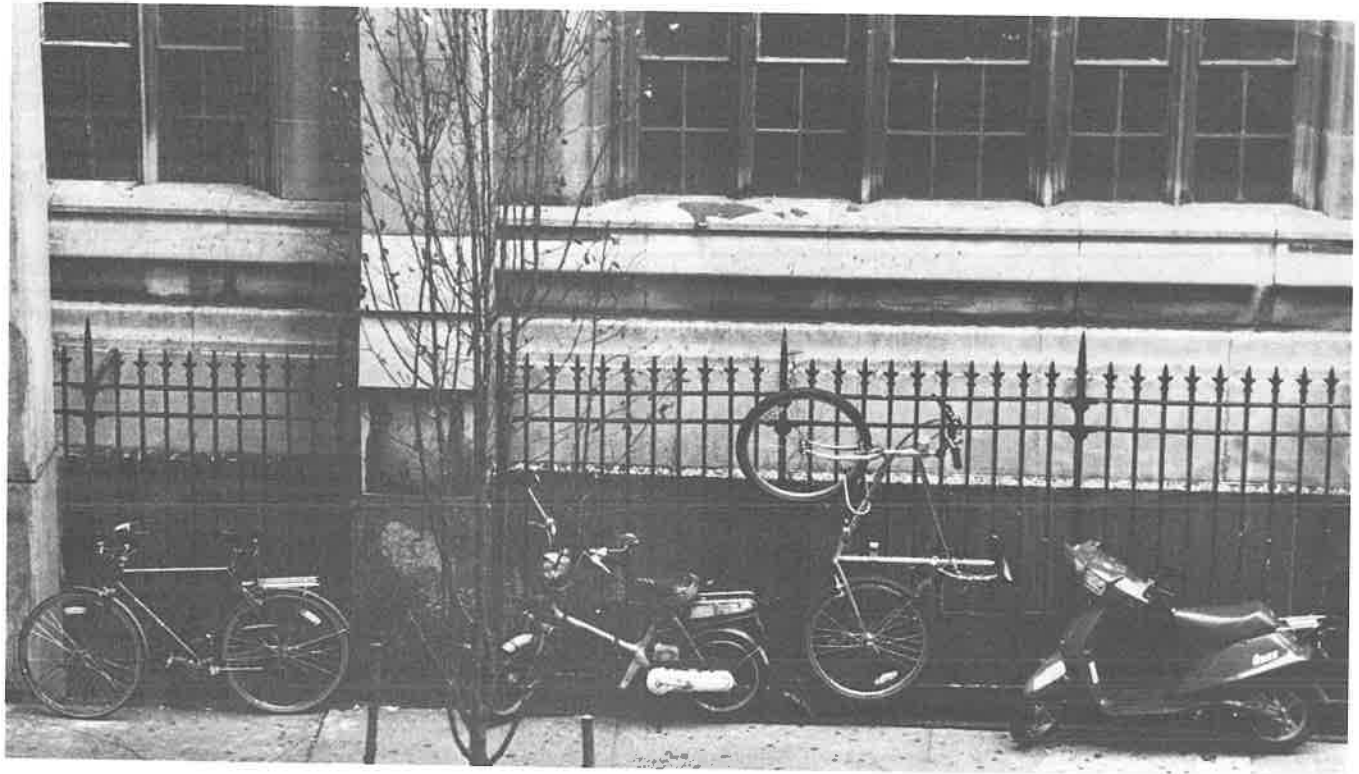
9. Any action or situation which recklessly or intentionally endangers mental or physical health or involves the forced consumption of liquor or drugs for the purpose of initiation into or affiliation with any organization is prohibited.

10. The unlawful manufacture, distribution, dispensation, possession, or use of illegal drugs or other controlled substances by University employees in the workplace is prohibited. Employees of the University must also notify the College Personnel Director of any criminal drug statute conviction for a violation occurring in the workplace not later than five (5) days after such conviction.

II. PENALTIES

1. Any student engaging in any manner in conduct prohibited under substantive Rules 1-9 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 1-10 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, and for engaging in any manner in conduct prohibited under substantive Rule 10, may, in the alternative, be required to participate satisfactorily in an appropriately licensed drug-treatment or rehabilitation program. In addition, in the case of a tenured faculty member, or tenured member of the administrative or custodial staff engaging in any manner in conduct prohibited under substantive Rules 1-10 he or she 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 1-9 shall be subject to rejection and/or arrest by the civil authorities.

4. Any organization which authorized the conduct prohibited under substantive Rules 1-10 shall have its permission to operate on campus rescinded.

Penalties 1-4 shall be in addition to any other penalty provided by law or The City University Trustees

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.

F. **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.

Sexual Harassment Policy and Procedures

Sexual harassment is illegal. It is a form of sex discrimination in violation of Title VII of the 1964 Civil Rights Act, Title IX of the 1972 Education Amendment, and the official policy of The City University of New York. The City University of New York issued a policy in 1982 that prohibits sexual harassment of faculty, staff, and students:

"It is the policy of The City University of New York to prohibit harassment of employees or students on the basis of sex. This policy is related to and is in conformity with the equal opportunity policy of the University to recruit, employ, retain and promote employees without regard to sex, age, race, color, or creed. Prompt investigation of allegations will be made on a confidential basis to ascertain the veracity of complaints, and appropriate corrective action will be taken.

"It is a violation of policy for any member of the University community to engage in sexual harassment. It is a violation of policy for any member of the University community to take action against an individual for reporting sexual harassment."

Hunter College adheres to CUNY policy and condemns all forms of sexual intimidation and exploitation. For the purposes of this policy, sexual harassment is defined as unwelcome sexual advances, requests for sexual favors, and other intimidating verbal or written communications or physical conduct of a sexual nature. This behavior constitutes sexual harassment when:

1. submission to such conduct is made either explicitly or implicitly a term or condition of an individual's employment or academic standing;
2. submission to or rejection of such conduct by an individual is used as the basis for employment or academic decisions affecting that individual;
3. such conduct has the purpose or effect of unreasonably interfering with an individual's work performance or creating an intimidating, hostile, or offensive working or learning environment.*

To implement CUNY's policy, Hunter College created a Sexual Harassment Panel to help educate the Hunter community about sexual harassment; to as-

* These criteria are based on Guidelines issued by the Office of Civil Rights, Department of Education.

sist in the investigation of complaints of sexual harassment; and to make recommendations for corrective and disciplinary actions. (The Vice-President for Student Affairs designates the panel to investigate formal complaints by students; the Panel reports the results of its investigations to the Vice-President for Student Affairs and makes recommendations for appropriate corrective action.) All complaints will be promptly investigated on a confidential basis, and anyone who engages in such behavior risks the possibility of disciplinary action. The individual bringing the complaint decides whether and how to pursue a resolution of the problem.

Any student or employee of the College may discuss complaints of sexual harassment with a member of the Sexual Harassment Panel for information on procedures for informal and formal resolutions of the problem. The Panel's office is Room 1209E, (phone: 772-4007). Further information on the Panel is available from members of the Panel and in the following places;

Student Services
Women's Center
Women's Studies Program
Security
Employee Assistance Program
Lesbian and Gay Student Alliance
President's Office
School of Social Work
School of Health Sciences
Information Desk — First Floor West Building
Provost's Office

The coordinators of the Panel are Professor Richard Barickman (Department of English; 772-5174) and Professor Michele Paludi (Department of Psychology; 772-5681).

Bylaws of the Board of Trustees

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 encouraged to develop the capacity for critical judgment 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 resolutions of the board, 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 the 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. Extra-curricular 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 intercollegiate 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 an office of the dean of students * * alleging that a student publication has systematically attacked the religion, 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 may deem appropriate, that the charges are substantial, 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 thereof.

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 referendum.

e. Student government elections shall be scheduled and conducted, and newly elected student governments shall take office, in accordance with policies of the board, and implementing regulations.

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 shall 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.

* * 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.

3. The student shall be advised of his/her rights in the proceeding and possible consequences. Specifically the notice shall include:

A. A warning that anything he/she may say at this meeting may be used against him/her at a non-college hearing; therefore, he/she may have legal counsel present to advise him/her.

B. A statement of his/her 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/her 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/her 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/she shall be given an opportunity to explain his/her 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 chairperson. 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 chairperson 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 procedures 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/her 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 presi-

dent is a party to the dispute, his/her 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 section 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 formulation 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 trustees in accordance with the education law and the bylaws of the board of trustees, the university student senate shall make 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 the full rights and responsibilities accorded student organizations as provided in these bylaws. The delegates and alternate delegates to the university student senate shall be elected by their respective constituencies, or by their student governments from the elected members of the respective student governments.

Section 15.7 COLLEGE GOVERNANCE PLANS. The provisions in a duly adopted college governance plan shall supersede any inconsistent provisions contained in this article.

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 college association. The application of such revenues to the account of the income generating organization shall require the specific authorization of the college association.

d. 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.

e. 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 oversight of the college association.

f. Where more than one duly elected student government exists, the college association shall allocate the student government fees to each student government in direct proportion to the amount collected from the members of each student government.

***Section 15.10 THE REVIEW AUTHORITY OF COLLEGE PRESIDENTS AND COLLEGE ASSOCIATIONS.** a. The president of the college shall have the authority to veto any student activity fee including the student government fee allocation, which in his or her opinion requires further clarification, is inappropriate, or contravenes the laws of the city, state, or nation or any bylaw or pol-

icy of the university or any policy, regulation, or order of the college. If the college president chooses to exercise a veto within a reasonable time after being made aware of this action, 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.

b. The college association may within ten (10) working days of the presidential veto, by the affirmative vote of two-thirds of the total membership of the governing board, override the presidential veto, except a presidential veto based upon compliance with the laws of the city, state, or nation, or bylaws or policy of the university shall not be subject to being overridden.

*Section 15.11 REFERENDA. a. 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.

b. 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.

c. 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.

d. At the initiation of a petition of at least 10% 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.

*Section 15.12 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 activity fees.

b. The student governments shall be responsible for the full disclosure to their constituents of all financial information with respect to student government fees.

c. The college association 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 all of its activities, including auxiliary enterprises.

d. 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 15.13 STIPEND. The payment of stipends to student government officers and other student leaders is prohibited, except insofar as specifically authorized by board policy.

*Section 15.14 UNIVERSITY REVIEW COMMITTEE. There shall be a university review committee consisting of three administrators appointed by the chancellor.

a. The university review committee shall have responsibility for oversight and supervision over university student activity fees and extramural student activity fees. Recipients of extramural fees shall present an annual report to 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.

b. The university review committee may veto any proposed expenditure of the university student senate, subject to being overridden by the affirmative vote of two-thirds of the total membership of the university student senate, in person or by mail ballot, except that a veto based upon the opinion that an item is in contravention of the laws of the city, state or nation, or bylaws or policy of the university is not subject to being overridden.

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 where 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. 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.

* Implementation of these bylaws is deferred until the issuance of a decision in the proceeding pending in the Supreme Court of the State of New York, or until such later time as the order of the Supreme Court or a Court of Appellate jurisdiction shall provide.

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 ten (10) percent 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 their constituents of all financial information with respect to student government fees.

c. The student activity fee allocating bodies 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 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 each 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.

Fire Safety Plan

Instructions

A. If you see a fire, do the following:

1. Call the Fire Department (911), or
2. Call the Security Emergency Number 772-4444, or
3. Pull the Fire Alarm
4. Then, Follow the Procedures Below

B. Procedures

- a. Evacuate your area.
- b. Close but do not lock doors.
- c. Follow instructions transmitted over the public address system.
- d. Proceed to evacuate the building through designated exits.
- e. Evacuate to street if not directed otherwise over the public address system.
- f. Before entering any stairwell, touch the door with the palm of your hand. If it is warm or hot, do not enter the stairwell. Proceed to the next stairwell.
- g. When leaving the building keep your head turned to the center of the stairway.
- h. Walk downstairs—do not run. Do not panic. Remain calm.
- i. It is dangerous to use elevators during an evacuation. Use elevators only when authorized to do so by Fire Emergency Personnel.
- j. When using the down escalators, make long and wide turns going from one escalator to the next escalator in order to prevent congestion.
- k. When you are outside the building move away from the entrance approximately two hundred feet.
- l. Wait for the all clear signal before re-entering the building.

HUNTER COLLEGE CAMPUS SAFETY AND SECURITY FIRE SAFETY PLAN FOR THE DISABLED (INTERIM PLAN)

This Fire Safety Plan for The Disabled is established to provide for the safety of the disabled members of the Hunter College community and disabled visitors to the College in the event of a fire or other life-threatening emergency. The plan will be implemented in any situation in which there may be a need to relocate disabled persons to a safe location.

The Fire Safety Plan for the Disabled identifies the New York City Fire Department as the agency having the primary responsibility for relocating any disabled person from an endangered floor to a safe location. However, if the Fire Department or other New York City emergency agency response is not exercised in a timely fashion,

and the situation requires immediate removal of disabled persons, College Safety and Security Personnel will transport such individual or individuals to a safe location.

The Fire Safety Plan for the Disabled is a part of the Hunter College Fire Safety Plan. All faculty, staff and students are advised to read and be fully familiar with the entire Fire Safety Plan.

Instructions

A. If you see a fire, do the following:

1. Call the Fire Department (911), or
2. Call the security emergency number 772-4444, or
3. Pull the fire alarm
4. Then, follow the procedures below

B. Procedures for the Disabled

1. During an emergency, the entire floor may or may not need to be evacuated. In either case, when you hear the emergency alarm, assemble near any exit door near the elevators.
2. Do not enter the stairwell. Do not use an elevator unless directed by the fire department or Hunter's Emergency Response Team.

Relocation Procedures for the Disabled

If it is necessary to evacuate the entire floor, a member of the Fire Department or Hunter's Emergency Response Team will search the entire floor to locate disabled persons. The emergency personnel will remove you to a safe location by elevator or stairwell. A notice containing these procedures shall be placed on each floor.

Hunter North — Special Instructions

1. In Hunter North, go to the area near the Fire Tower. The entrance to the Fire Tower is located at the north end of the west corridor (the corridor parallel to Park Avenue). A diagram of the fire tower location is provided at the end of this section.
2. Do not enter the Fire Tower stairwell unless the major portion of the college community has completed its descent.

Other Precautions

1. Remain *calm*. Your safety and the security of others depend on the absence of panic.
2. Before entering any stairwell, touch the door leading into the stairwell. If the door is warm or hot, do not open or enter the stairwell. Proceed to the next stairwell.
3. If you cannot reach a stairwell near an elevator, and you are in an office or classroom and have access to a phone, call Security at 772-4444. Disabled persons and persons who are trapped are the *only* persons who should call Security during a fire emergency.
4. If you are in an area with a door and cannot reach an exit near the elevators, seal the crack around the door with rags or clothing.
5. Campus Safety and Security has a chart indicating all the special rooms in the library designed for use by the disabled. These rooms will be checked during a fire emergency.

What Emergency Personnel Will Do

1. The Emergency Response Team member who searches the floor will report your location to the Fire Command Station. The Fire Command Station will inform the Fire Department of your location.
2. If you are in need of relocation and the Fire Department is not available to relocate you, a member of Campus Safety and Security Personnel will relocate you to a safe location.
3. If necessary, you will be relocated to a safe floor or taken out of the building.

Training and Orientation

A. Training

Personnel in the College Safety and Security Department are trained in the proper methods for safe lifting and carrying of disabled persons. (See Assembling and Relocation Procedures, below.)

B. Orientation

1. Orientation to the Fire Safety Plan, including the relocation procedures, will be provided for disabled faculty, students and staff yearly under the auspices of the 504 Committee.
2. Orientation for new disabled students will be included in the orientation program for entering freshmen.
3. Instructions regarding the Fire Safety Plan and Relocation Procedures will be included in the regularly conducted fire drills.

Locating Disabled Persons

A. Security maintains class schedules for disabled students and work schedules for disabled faculty and staff. These schedules will be used to assist emergency personnel to locate disabled persons in an emergency.

B. Students are responsible for reporting their class schedules, their work schedules, and schedule changes to the Coordinator for Disabled Student Services (Room E1100 - East Building).

C. Disabled faculty and staff are responsible for reporting their work schedules and schedule changes to the Director of Personnel (Room E1502A).

Responsibility for Implementation

The Director of Security is responsible for the implementation of the Fire Safety Plan.

Distribution

The Fire Safety Plan for Disabled Persons will be distributed to all faculty, students and staff who have identified themselves as disabled.

The Fire Safety Plan for the Disabled will be distributed with the Hunter College Fire Safety Plan.

FIRE SAFETY PLAN FOR DISABLED PERSONS

Assembling and Relocation Procedures

When there is a fire alarm in one of the College's buildings, disabled persons who are unable to walk down steps should assemble at one of the Disabled Persons Fire Emergency Assembly Areas (DPFEAA).

These areas are located on every floor of Hunter's four buildings in the immediate vicinity of each building's elevators. They are near the two stairwells closest to the elevators. The areas are identified by wall signs that identify the area as a Disabled Persons Fire Emergency Assembly Area.

During a fire alarm, fire wardens, fire searchers and security personnel have been directed to communicate the number, the location, and the status of all disabled persons via Fire Warden Phones or through security personnel to Hunter College's Fire Command Station. The security person at the Fire Command Station will notify members of the New York City Fire Department of the status of all disabled persons in the building as soon as the firefighters arrive on the campus.

No person should ever use an elevator in a fire unless so directed by Fire Department personnel. Using an elevator in a fire is extremely dangerous. The College has been informed by the Fire Department that the use of elevators in a fire has, in many cases, resulted in many unfortunate and unnecessary deaths.

The New York City Fire Department has informed Hunter College that they have the primary responsibility to determine if elevators can be used to transport disabled persons during fire emergencies. Fire Department officials also state that they are responsible for relocating disabled persons to a safe location if such relocation is necessary.

The New York City Fire Department considers transporting disabled persons in an emergency a highly risky procedure. The relocation process may subject disabled persons and other persons to accidents and injuries. However, if it is necessary to relocate disabled persons during an emergency, the Fire Department will handle the relocation of disabled persons, using safe procedures and experienced Fire Department personnel.

If elevators can be used during a fire alarm, the Fire Department considers use of the elevators to be the best method of relocation because it is practical, safe and efficient. This explains the Fire Department's position of advocating Emergency Assembly Areas for Disabled Persons. (The Fire Department often refers to this type of assembly area as a refuge area.)

When there is a report of a fire alarm in the building (Note: the alarm may be a false alarm or the fire may be in a small section of the building), if disabled persons are not in any danger from the fire or its smoke, the Fire Department does not automatically recommend the relocation of disabled persons. In most cases, the Fire Department would not recommend that such persons be removed from the building. Instead, the Fire Department would recommend that such persons be moved to a safe location within the building.

NOTE: It is extremely important that the Hunter College community understand the procedure of the New York City Fire Department for evacuating a building which is experiencing a fire. Everyone in the building should not automatically be evacuated to the street. Nor should everyone be relocated within the building. This is the policy for ambulatory persons as well as non-ambulatory persons.

If you have any questions regarding the standards used to determine the need for evacuating the buildings, call the Director of Campus Safety and Security, (212) 772-4521.

When Security Personnel Will Relocate Disabled Persons

If, for any reason, a disabled person is in imminent danger because of fire, smoke or other circumstances on campus, and members of the New York City Fire Department are not present to relocate the disabled person, Campus Safety and Security personnel, and other members of the Fire Response Team will assume the responsibility of moving that person to a safe location.

Security personnel operating under the direction of the Fire Command Station, or the Security Supervisor in charge of the emergency, will take command and make immediate arrangements to have the disabled person(s) moved to a safe location. If necessary to carry out this task, the Security Supervisor will ask for assistance from other members of the Fire Response Team as well as from other volunteers.

NOTE: The Security Supervisor in charge of the evacuation process will determine how many persons will be needed to relocate a disabled person. The factors that will be considered when these assignments are made include: • the weight of the disabled person; • the weight of the wheelchair; • the width of the staircase; and • any other factors deemed necessary to successfully carry out these functions without accidents.

When Fire Wardens and Fire Searchers and other members of the Fire Response Team report the status and location of disabled persons who use wheelchairs to the Fire Command Station, they will include the approximate weight of the disabled persons and their wheelchairs. It is requested that Fire Wardens or Fire Searchers re-

main with disabled persons while they wait at a Disabled Persons Fire Emergency Assembly Area to be relocated.

Procedure For a Disabled Person Who is Blind

If a disabled person who is blind has to be relocated, he or she will be escorted to a safe location by a Security person, a Fire Warden, a Fire Searcher or a member of the Hunter College Fire Response Team if he or she is able to walk down the stairs.

Procedures For a Disabled Person Who is Deaf

A disabled person who is deaf will be contacted by Security personnel, Fire Wardens, or Fire Searchers in their search of all floors. Those disabled persons will be informed of the fire and will be given the same directions as other ambulatory persons—they will be told to leave the floor using the appropriate staircase.

Special Caution on Lifting and Carrying Disabled Persons

Before lifting a disabled person, those doing the lifting will, if possible, ask the disabled person how he or she should be lifted. Disabled persons know better than anyone else how they should be lifted or carried in order to avoid being injured.

The procedures for lifting and carrying disabled persons are derived from instructions prepared under the direction of the Center for Independence of the Disabled New York (CIDNY).

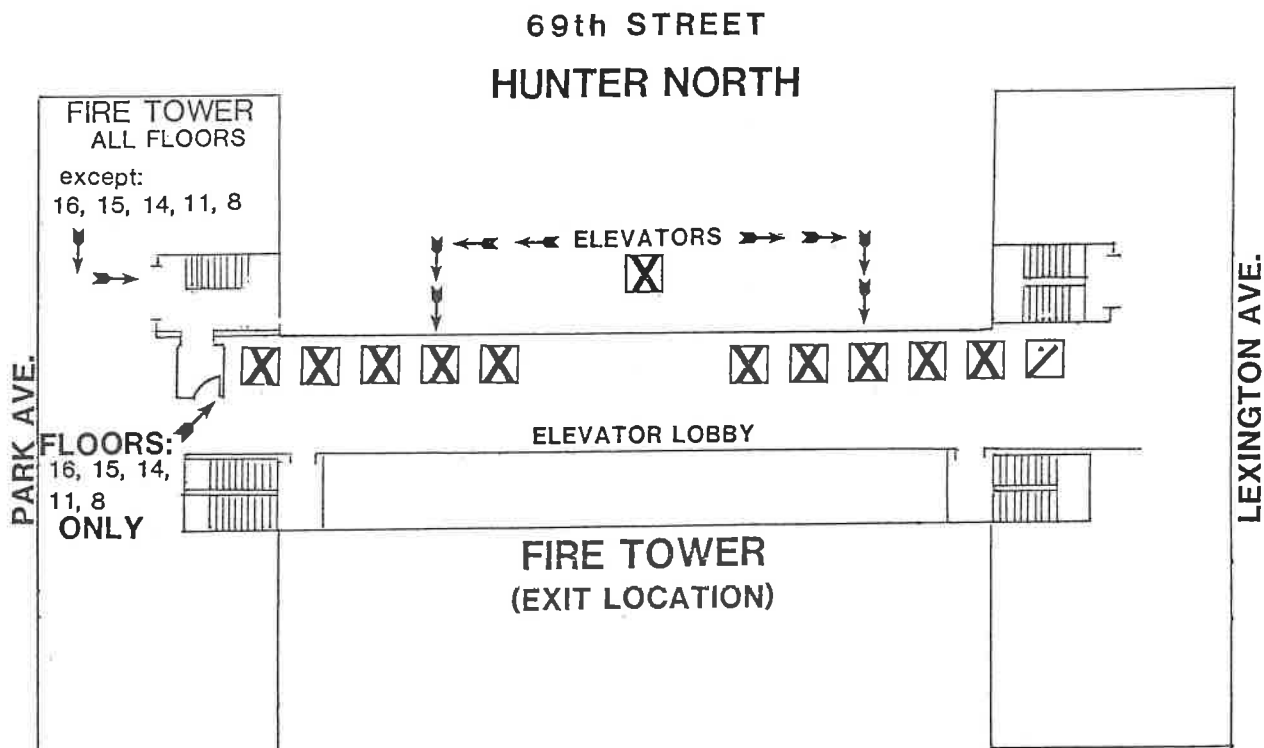
Lifting and Carrying Procedures For Disabled Persons Who Use Wheelchairs

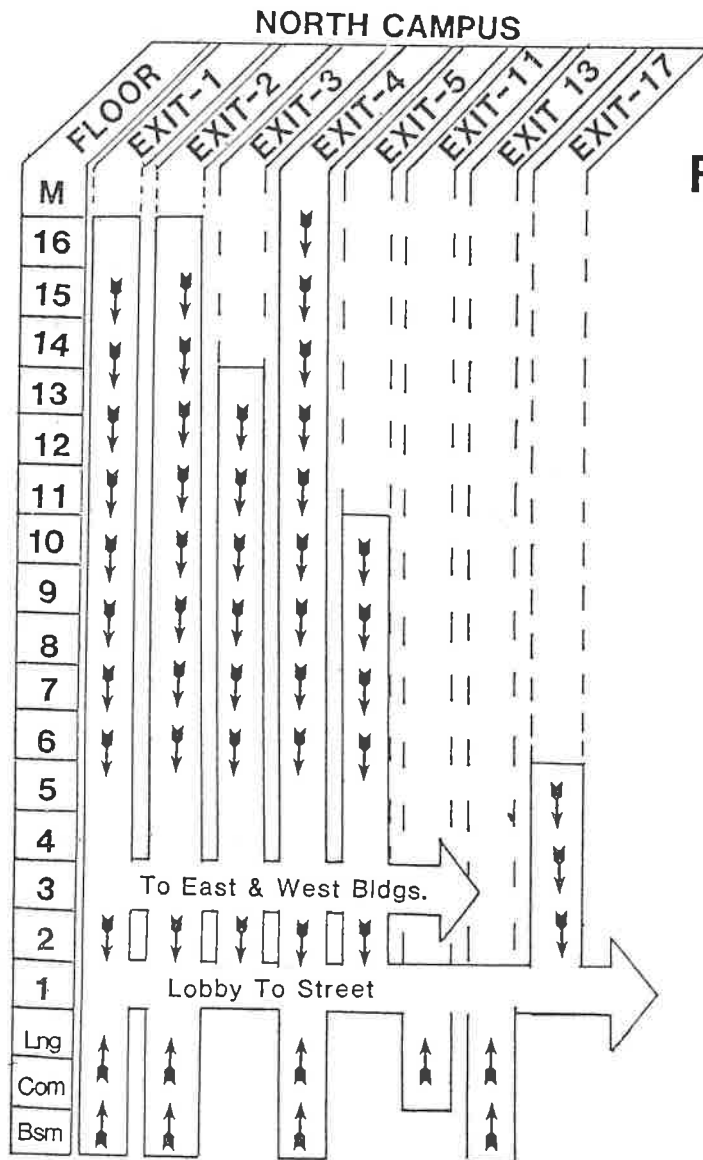
If you are a disabled person who must be carried to a safe location because you use a wheelchair or are unable to walk downstairs for any reason, and you are endangered by the fire condition, you will be carried to a safe location by Security personnel with the assistance of a member of the Hunter College Fire Response Team.

Whenever possible, a disabled person who uses a wheelchair will be carried downstairs without being removed from his or her wheelchair. In the following procedures, the "Carrier" indicates the person who will assist the disabled person.

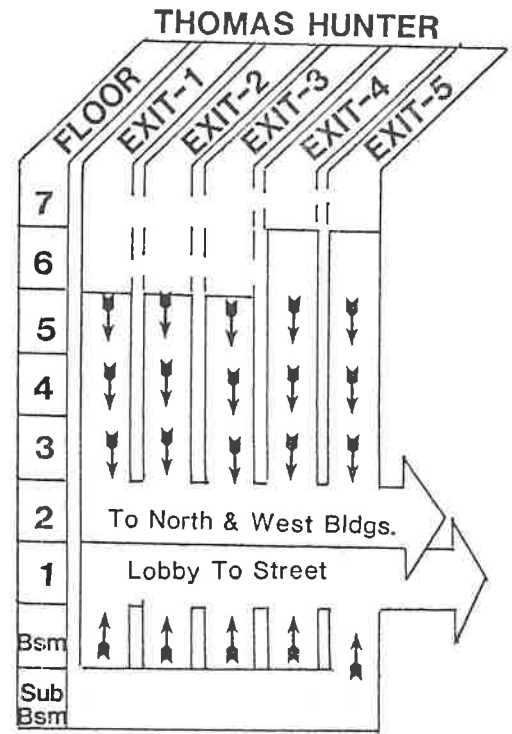
Specific Guidelines for Lifting and Carrying Persons in Wheelchairs:

1. Caution: No disabled person is to enter a stairwell or be carried into a stairwell, or down steps, when ambulatory occupants are using that particular stairwell to leave the building. This is a precaution that must be taken to prevent panic and accidents between ambulatory and non-ambulatory persons.
2. The Fire Tower in the North Building has a wide staircase, and, because it is wide, it may be feasible, under some circumstances, to use this staircase to accommodate a disabled person in a wheelchair while ambulatory persons are going down the staircase.
3. The wheelchair wheels will be placed in a locked position before any lifting takes place.
4. If possible, the Carriers will strap the disabled person to the wheelchair. The disabled person should always be facing forward when carried.
5. The Carriers should be located at each side of the wheelchair. The Carriers should also be facing each other and the disabled person in the wheelchair should be between the carriers.
6. The Carriers should grasp each side of the wheelchair at the upper section of the rear frame and the lower section of the front frame. Moving parts or a weak area on the frame should not be used as a handle to lift the wheelchair.
7. The Carriers should bend their knees slightly before lifting a wheelchair and should straighten their knees as they lift it. Carriers should not use their backs for leverage while lifting as they may injure themselves or be the cause of an accident involving the disabled person.





FIRE EXIT ROUTES



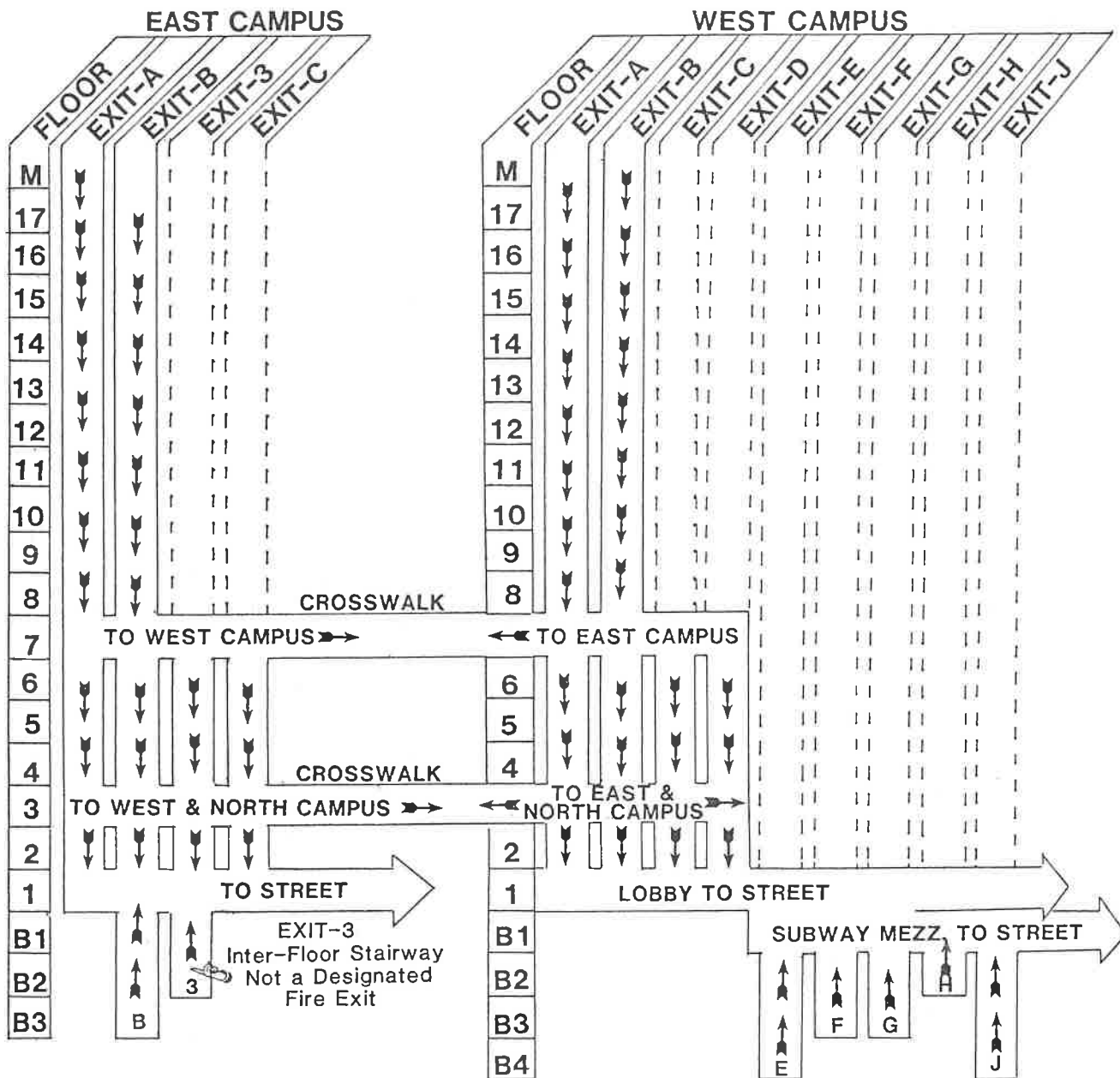
8. The Carriers will coordinate all movements with the Carrier's partner(s). The Carriers should synchronize their one-step-at-a-time movement downstairs. Carriers should not turn their bodies to face forward or cross one leg over the other leg while moving down the staircase.

Lifting and Carrying a Disabled Person Independent of His/Her Wheelchair

There may be occasions when a disabled person who uses a wheelchair cannot be carried within his or her wheelchair for a variety of reasons. The chair may be too heavy, the staircase may be

too narrow, or the Carriers may not be strong enough to carry a person in a chair. If any of these circumstances present themselves, the disabled person will be lifted out of his or her wheelchair and carried in the following manner:

1. The wheels of the wheelchair should be placed in a locked position before lifting the disabled person.
2. The Carriers should be stationed on each side of the wheelchair.
3. If the disabled person is physically able to do so, have that person place his or her arms behind the neck and shoulders of the Carriers before attempting to lift the person.



4. Each Carrier should place one arm around the back of the person to be lifted.

5. Each Carrier should place his or her other arm under the thigh area (close to the knee), of the person to be lifted. Before lifting the person, Carriers should bend their knees. They should not use their backs for leverage. Carriers should not attempt to join hands while lifting or carrying the disabled person.

6. Carriers should descend the stairs using the same method described for carrying a person in a wheelchair (see page 169).

The Hunter College Fire Safety Plan was prepared by Campus Safety and Security with the advice of the New York City Fire Department and other experts. Assistance was also received from the Hunter College 504 Committee.

Abbreviations

ABS Absence
APT Advanced placement test
APTS Aid for Part-Time Study

BA Bachelor of Arts
BFA Bachelor of Fine Arts
BMus Bachelor of Music
BS Bachelor of Science

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 day
demo demonstration
dept department
disc discussion

E evening

Fa Fall
ff following
FIN Failure-Incomplete
FP&B Faculty Personnel and Budget Committee
FSAT Freshman Skills Assessment Test

GED Test of General Educational Development
GPA Grade point average
GSL Guaranteed Student Loan

HEGIS Higher Education General Information Survey
hr(s) hour(s)

ID identification
INC incomplete
Instr instructor

Jr Junior

K-12 Kindergarten through 12th grade

lab laboratory
lec lecture

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-6 Nursery—6th Grade

perm permission
PhD doctor of philosophy
PLUS Parent Loans for Undergraduate Students
prereq prerequisite

rec recommendation
recit recitation

Sec. Ed. Secondary education
SEEK Search for Education, Elevation, and Knowledge
sem semester
SEOG Supplemental Educational Opportunity Grant
Sp Spring
Sr Senior
STAP Supplemental Tuition Assistance Program
Su Summer

TAP Tuition Assistance Program
TBA to be arranged
TOEFL Test of English as a Foreign Language
TTT Training Tomorrow's Teachers

W withdrawal without penalty
WU withdrew, failing or without approval

yr year

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